

Public Enterprises Survey 2015 -2016

Volume – I

**Annual Report on the performance of
Central Public Sector Enterprises**



**Government of India
Ministry of Heavy Industries and Public Enterprises
Department of Public Enterprises**



मंत्री, भारी उद्योग एवं लोक उद्यम मंत्रालय

भारत सरकार, नई दिल्ली-110011

Minister of Heavy Industries & Public Enterprises
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New Delhi-110011

Foreword



ANANT G. GEETE

The Public Enterprises (PE) Survey is a consolidated annual report on the performance of all Central Public Sector Enterprises (CPSEs) and their subsidiaries for the financial year 2015-16. It is laid in both the Houses of Parliament every year during the Budget Session.

2. The Public Enterprises Survey 2015-16 is the 56th in the series that commenced in 1960-61. It provides detailed statistical data about different aspects of the CPSEs in Volume-I and enterprise wise and sectoral/cognate group wise overview in Volume-II. For all the operating CPSEs, it also provides a summarized snapshot of their Balance Sheet and Profit & Loss accounts along with financial ratios and some important operational indicators.

3. The overall performance of CPSEs in India has shown improvement during the financial year 2015-16 over the previous year despite declining commodity prices and a subdued global economic scenario. The overall net profit of the 244 operating CPSEs went up by 12.54% to 1,15,767 crore in 2015-16 from 1,02,866 crore in 2014-15.

4. The CPSEs have been making a substantial contribution to the Central Government through payment of dividend, interest, corporate taxes, excise duties etc. The contribution by the CPSEs through these avenues increased by 38.63% to ₹2, 78,075 crore in 2015-16.

5. This Survey meets an important need in the CPSE policy architecture and has evolved over the years as a very useful tool for the Government, Industry and Academia.

6. I wish to acknowledge the efforts put in by the Department of Public Enterprises in the timely preparation of this Survey.

(ANANT G. GEETE)

March, 2017

New Delhi



सत्यमेव जयते

राज्य मंत्री, भारी उद्योग एवं लोक उद्यम मंत्रालय

भारत सरकार, नई दिल्ली-110011

Minister of State for Heavy Industries & Public Enterprises

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New Delhi-110011

Preface



BABUL SUPRIYO

The Estimates Committee (2nd Lok Sabha), in their 73rd Report (1959-60) had recommended that in addition to the individual annual report of each enterprise laid on the Table of both the Houses of Parliament, a separate comprehensive report should be submitted to the Parliament indicating the Government's total appraisal of the working of public enterprises.

2. The first Annual Report (Public Enterprises Survey) was, accordingly, prepared by the erstwhile Bureau of Public Enterprises (now Department of Public Enterprises) in 1960-61 giving a consolidated picture of the performance of the Central Public Sector Enterprises (CPSEs). The present Public Enterprises Survey (2015-16) is the 56th in the series. The data is presented in this Survey Report based on the Schedule III of Companies Act, 2013.

3. Our CPSEs have an unique place amongst the State Owned Enterprises (SOE) of the world and have been so recognised. Many of the 244 operating CPSEs are the leading companies of India. CPSEs are, moreover, spread over the length and breadth of the country, fulfilling various macro-economic objectives and are complex organizations dealing with wide stream of new technology, market and services and employ a large workforce. The CPSEs are categorised into 23 cognate groups.

4. The Survey incorporates audited financial and other data for the year 2015-16. Many CPSEs (54) had forwarded provisional figures in respect of their balance sheet and profit / loss accounts of the year 2014-15; they have now duly furnished their audited data for the year 2014-15. Consequently the aggregate figures presented in the Survey of 2014-15, to that extent, have been revised in this report.

5. The CPSEs have been serving the various macro-economic objectives of higher economic growth, equilibrium in balance of payments, infrastructure development and lower prices. In this respect, they are a distinct entity of corporate India. Moreover the Maharatna and Navaratna CPSEs constitute the elite companies of India in sectors like, coal, petroleum, steel, heavy engineering, power supply, telecommunications and transportation services.

6. The Department of Public Enterprises acknowledges the cooperation extended by all the Ministries / Departments (Government of India) and their respective CPSEs in providing financial and other data for the preparation of the Survey (2015-16). I also take this opportunity to place on record the efforts put in by Secretary, Department of Public Enterprises and all officers & staff of the Department in preparing this Survey.

(Babul Supriyo)

March, 2017

New Delhi



भारत सरकार
लोक उद्यम विभाग
भारी उद्योग एवं लोक उद्यम मंत्रालय
Government of India
Department of Public Enterprises
Ministry of Heavy Industries & Public Enterprises

Introduction



SEEMA BAHUGUNA, IAS
Secretary

The Department of Public Enterprises (DPE) under the Ministry of Heavy Industries and Public Enterprises is the nodal Department in the Government of India to coordinate matters of general policy and evaluate and monitor the performance of all Central Public Sector Enterprises. The Public Enterprises (PE) Survey is a consolidated report on the performance of all CPSEs providing an overview of the financial and physical performance of Central Public Sector Enterprises (CPSEs). The Estimate Committee, had recommended that in addition to the individual annual report of each enterprises, a separate comprehensive report should be submitted to the Parliament indicating Government's total appraisal of the working of Public Enterprises. Accordingly, the first Public Enterprises Survey was prepared by the erstwhile Bureau of Public Enterprises, now Department of Public Enterprises in 1960-61 giving a consolidated picture of the performance of the Central Public Sector Enterprises.

2. Public Enterprises Survey not only covers certain statutory corporations, but all those Government Companies in which more than 50% equity is held by the Central Government. The subsidiaries of these companies in which any CPSE has more than 50% equity are also categorized as CPSE, if registered in India, for the purpose of the Survey. The Survey does not cover departmentally run public enterprises, banking institutions, and insurance companies. The present Public Enterprises Survey (2015-16) is based on the Schedule III of Companies Act, 2013 and contains mainly the audited financial data for the past three years i.e. 2013-14, 2014-15 and 2015-16. The basic data for the Public Enterprises Survey has been furnished by CPSEs in the detailed data sheet / questionnaire developed by the Department. The data so compiled has been analyzed and presented in two separate volumes. Volume-I contains the macro appraisal of the performance of CPSEs at the aggregate level in terms of the physical and financial parameters. Volume-II contains enterprise-wise and cognate group-wise data for 2013-14, 2014-15 and 2015-16. Enterprise wise data/report consists of summarized balance sheet, summarized profit / loss account, important financial ratios, management issues and analysis of performance of each of the CPSEs.

3. 320 CPSEs (excluding Insurance Companies) came within the scope of the Survey in 2015-16 (as on 31.03.2016) as against 298 CPSEs in 2014-15 (as on 31.03.2015). Twenty Nine (29) new public sector enterprises have been added to the list of CPSEs. They are:- IIFCL Projects Ltd., IIFCL Asset Management Co. Ltd., NBCC Services Ltd., Petronet CCK Ltd, ONGC Mangalore Petrochemicals Ltd., Bihar Megapower Ltd, Bihar Infrapower Ltd., BPCL-KIAL Fuel Pvt. Ltd. Chhattisgarh East Railways Ltd., Chhattisgarh Mega Steel Co. Ltd. Deochar Infra Ltd., Dingchang Transmission Ltd., IRCON Shivpuri Guna Tollway Ltd., Jharkhand Kolhan Steel Ltd, Jharkhand Infrapower Ltd., Khargoane Transmission Ltd., Kohima-Mariani Transmission Ltd., Medinipur-Jeerat Transmission Ltd., NMDC

Steel Ltd., NER – II Transmission Ltd., NRSS XXXVI Transmission Ltd., North Karanpura Transco Ltd., Patratu Vidyut Utpadan Nigam Ltd., NBCC Engineering and Consultancy Ltd., POWER GRID Parli Transmission Ltd., POWERGRID Southern Interconnector Transmission System Ltd., POWER GRID Warora Transmission Ltd, Yule Electrical Ltd. and Yule Engineering Co. Ltd.

4. During 2015-16, seven enterprises were closed or merged with other CPSEs. Three CPSEs, namely, Chhattisgarh-WR Transmission Ltd., Raipur Rajanandgaon Warora Transmission Ltd., and Sipat Transmission Ltd. closed due to transfer to M/s. Adani Transmission Ltd. Two CPSEs, SAIL Jagdishpur Power Plant Ltd. and SAIL Sindri Projects Ltd. were closed by the order of Board of Steel Authority of India Ltd.; Bharat Bhari Udyog Nigam Ltd. and Irrigation & Water Resources Finance Corporation Ltd. merged with Braithwaite Burn & Jessop Construction Ltd. and India Infrastructure Finance Company Ltd. respectively by Government order.

5. During the year 2015-16, Neyveli Lignite Corporation Ltd., National Building Corporation Ltd., Uchahar Transmission Ltd. and Vizag Transmission Ltd. have been renamed as NLC India Ltd., NBCC India Ltd., Powergrid Unchahar Transmission Ltd and Powergrid Vizag Transmission Ltd respectively.

6. In respect of five enterprises namely, North Eastern Regional Agricultural Marketing Corporation Ltd, HMT Bearings Ltd, HMT Chinar Watches Ltd., HMT Watches Ltd. and Tungabhadra Steel Products Ltd. The previous year's data has been given as they have not furnished the current year's data.

7. The data in respect of 52 CPSEs has been considered provisional in 2015-16 as these CPSEs could not submit their audited annual accounts or financial information. A list of these CPSEs is shown at Appendix IV.

8. The status of 327 enterprises, including 7 Insurance Companies, discussed in this Survey is shown below:

Sl.No.	Categories	Total Enterprises (as on 31.3.2016)
1.	Operating Enterprises	244
2.	Enterprises which are yet to commence commercial operation	76
3.	Insurance Companies	7
	Total	327

9. Ministry/Department-wise, sectoral / group-wise and state-wise (as per their Registered Offices) lists of CPSEs are given in the Appendices I, II and III respectively.

10. I express my gratitude to all the Ministries/Departments for making available the relevant information such as Pricing Policy, Disinvestment Policy and status of CPSEs with BIFR etc. I would like to acknowledge the co-operation extended by all the CPSEs in submission of requisite data to the Department. The officers & staff of DPE also need to be congratulated for their hard work in timely completion of this exercise.

11. The Survey is available on the department's website www.dpe.gov.in. Suggestions to further improve the Public Enterprises Survey are welcome, and may be sent at email: pesurvey@nic.in.



(SEEMA BAHUGUNA)

March, 2017

New Delhi

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Chapter-1

Performance Overview

The Estimates Committee, in their 73rd Annual Report (1959-60), had recommended that in addition to the individual annual report of each enterprise laid on the Table of both the Houses of Parliament, a separate comprehensive report should be submitted to the Parliament indicating the Government's total appraisal of the working of Public Enterprises. Accordingly since 1960-61, Government of India has been bringing out annually a consolidated report on the performance of Central Public Sector Enterprises (CPSEs). The present Report is the 56th Report in the series.

Section 2(45) of Companies Act, 2013 defines a Government company to mean – any company in which not less than fifty-one per cent of the paid-up share capital is held by the Central Government, or by any State Government or Governments, or partly by the Central Government and partly by one or more State Governments and includes a company which is a subsidiary company of such a Government company. The Public Enterprises Survey traditionally covers, besides statutory corporations, those Government companies wherein more than 50 % equity is held by the Central Government. This Report is no exception. The subsidiaries of these companies, if registered in India, wherein any CPSE has more than 50% equity are also categorized as CPSEs. The Survey, does not cover departmentally run public enterprises, banking institutions, and insurance companies.

Public sector enterprises were set up to serve the broad macro-economic objectives of higher economic growth, self-sufficiency in production of goods and services, long term equilibrium in balance of payments and low and stable prices besides meeting certain socio-economic obligations. While there were only five Central Public Sector Enterprises (CPSEs) with a total investment of ₹29 crore at the time of the First Five Year Plan, there were 320 CPSEs (excluding 7 Insurance Companies) with a total investment of ₹11,71,844 crore as on 31st March, 2016.

The CPSEs are key and strategic actors in the nation's economy providing essential goods and services and holding a dominant market position in

critical sectors such as petroleum, mining, electricity and transportation. They also operate in competitive markets such as telecommunication, hospitality etc. The CPSEs are increasingly under pressure by both the government and competition to achieve their goals more effectively and efficiently.

A large number of CPSEs have been set up as Greenfield projects consequent to the initiatives taken during the Five Year Plans. CPSEs such as National Textile Corporation, British India Corporation Ltd, Andrew Yule & Company Ltd, Coal India Ltd. (and its subsidiaries) have, however, been taken over from the private sector consequent to their 'nationalization'. Industrial companies such as Indian Petrochemicals Corporation Ltd., Modern Food Industries Ltd., Hindustan Zinc Ltd., Bharat Aluminum Company and Maruti Udyog Ltd, which were CPSEs earlier, ceased to be CPSEs after their 'privatization'.

Along with other public sector majors such as State Bank of India in the banking sector, Life Insurance Corporation in the insurance sector, Post & Telegraph in telecom sector and Indian Railways in transportation, the CPSEs are leading companies of India with significant market-shares in sectors such as petroleum, (e.g. ONGC, GAIL, HPCL, BPCL and Indian Oil Corporation), mining (e.g. Coal India Ltd. and NMDC), power generation (e.g. NTPC and NHPC), power transmission (e.g. Power Grid Corporation of India Ltd.), nuclear energy (e.g. Nuclear Power Corporation of India Ltd.), heavy engineering (e.g. BHEL), aviation (e.g. Hindustan Aeronautics Ltd. and Air India Ltd.), storage and public distribution (e.g. Food Corporation of India and Central Warehousing Corporation), shipping and trading (e.g. Shipping Corporation of India Ltd, and State Trading Corporation of India Ltd.), steel (e.g. Steel Authority of India Ltd and Rashtriya Ispat Nigam Ltd) and telecommunication (e.g. BSNL and MTNL).

1.1 Indian Economy (2015-16) and CPSEs

While CPSEs play a significant role in the growth of the Indian economy. They are also affected by the overall growth in the economy. Provisional estimate of GDP at current prices in 2015-16 was

₹135.76 lakh crore as against the GDP of ₹ 124.88 lakh crore (revised figure) for the year 2014-15 recording a growth rate of 8.71% during the period. The Gross Turnover of CPSEs has decreased in 2015-16 by 7.04% to ₹18,54,667 crore from ₹ 19,95,176 crore in 2014-15. The profit of profit making CPSEs increased by 10.86% to ₹ 1,44,523 crore in 2015-16 from ₹ 1,30,364 crore in 2014-15. The loss of loss making CPSEs increased by 4.57% to ₹ 28,756 crore from ₹ 27,498 crore during the same period. Aggregate net profit reported by all 244 CPSEs is ₹1,15,767 crore as against ₹ 1,02,866 crore reported in the year 2014-15, thus showing a growth in overall profit of 12.54% as against a reduction of 19.82% in 2014-15. During the year 2015-16 the number of profit making CPSEs have increased to 165 from 159 CPSEs in previous year and the number of loss making CPSEs have increased from 76 to 78 during the same period. One CPSE, namely Food Corporation of India neither earned profit nor incurred loss during 2014-15 and 2015-16

The Manufacturing sector has a major share of 61.52% of the total turnover achieved by CPSEs during 2015-16, followed by Services sector (20.20%), Mining sector (11.47%), Electricity sector (6.76%) and Agriculture sector (0.05%). The group wise analysis of the sectors shows that Petroleum (Refinery & Marketing) contributes 52.57%, followed by Trading and Marketing services (10.40%), Electricity -Power Generation (5.64%), Crude Oil (5.43%), Coal (5.11%), Financial Services (3.70%) and Steel (2.98%). The turnover of CPSEs belonging to Chemical & Pharmaceuticals, Industrial Development & Technical Consultancies Services, Power Transmission, Medium & Light Engineering, Contract & Construction Services, Tourist Services, showed a significant per centage increase during the year 2015-16. The Mining sector has a major share of 43.54% of the total net profits earned by CPSEs during 2015-16 followed by Manufacturing sector (25.06%), Electricity Sector (22.19%) and Services sector (9.26%). The group wise analysis of sectors shows that Coal sector contributed 26.21%, to the net profit for the year 2015-16 followed by Petroleum (23.47%), Power Generation (16.96%), Crude Oil (13.94%) and Financial Services (12.64%).

The net losses, have decreased for the Agriculture sector, The group wise analysis of sectors show that Steel, Heavy Engineering and Trading

& Marketing have reported losses in 2015-16 as against profit reported in 2014-15 and the net losses of Chemicals & Pharmaceuticals have increased in 2015-16 as compare to net losses reported in 2014-15. The highlights of performance of CPSEs, at the aggregate level, during 2015-16 are given in Box 1.

A macro view of the performance of CPSEs, during the last ten years, is shown in Box 2. The turnover of all 244 operating CPSEs during 2015-16 stood at ₹18,54,667 crore as compared to ₹19,95,176 crore in the previous year. The share of earnings through export/deemed export amounted to 4.16 per cent of total turnover during the year, and the CPSEs earned foreign exchange equal to ₹77,216 crore in 2015-16 as compared to ₹1,03,071 crore in 2014-15. The foreign exchange outgo on imports and royalty, know-how, consultancy, interest and other expenditure, on the other hand, decreased from ₹5,44,561 crore in 2014-15 to ₹3,88,045 crore in 2015-16 showing a reduction of 28.74%.

The total employee strength in CPSEs stood at 12.34 lakh (excluding contractual workers) in 2015-16 as compared to 12.91 lakh in 2014-15. The total strength of employees in CPSEs has gone down by 57,560 persons due to superannuation, voluntary retirement etc. The salary and wages in all the CPSEs, at the same time went up during the year from ₹1,26,777 crore in 2014-15 to ₹1,28,263 crore in 2015-16 showing a growth of 1.17%. However, the per employee turnover of CPSEs has decreased from ₹ 1.55 crore in 2014-15 to ₹1.50 crore in 2015-16.

Like the previous years, the Survey mainly takes into account audited financial statements mainly. However, there are some CPSEs that could not get their accounts audited and consequently submitted provisional data. This year 52 CPSEs have given provisional financial data which is unaudited and 5 CPSEs have not furnished any information for the year 2015-16. Therefore, data in respect of 52 CPSEs is being treated as provisional and is listed in Appendix IV of Volume I of the Survey. During 2014-15, unaudited / provisional data in respect of 54 CPSEs were furnished. Most of these companies have now furnished updated / audited figures and that has been updated in the findings of 2014-15.

BOX – 1

Highlights

- **Total paid up capital** in 320 CPSEs as on 31.3.2016 stood at ₹ 2,28,334 crore as compared to ₹ 2,13,020 crore as on 31.3.2015 (298 CPSEs), showing a growth of 7.19%.
- **Total Investment** in all CPSEs stood at ₹11,71,844 crore as on 31.3.2016 compared to ₹10,95,554 crore as on 31.3.2015, recording a growth of 6.96%.
- **Capital Employed** in all CPSEs stood at ₹ 19,68,311 crore on 31.3.2016 compared to ₹ 18,66,944 crore as on 31.3.2015 showing a growth of 5.43 %.
- **Total turnover/gross revenue from operation** of all CPSEs during 2015-16 stood at ₹18,54,667 crore compared to ₹ 19,95,176 crore in the previous year showing a reduction in turnover of 7.04 %.
- **Total income** of all CPSEs during 2015-16 stood at ₹ 17,64,754 crore compared to ₹ 19,65,657 crore in 2014-15, showing a reduction in income of 10.22%.
- **Profit** of profit making CPSEs stood at ₹1,44,523 crore during 2015-16 compared to ₹1,30,364 crore in 2014-15 showing a growth in profit by 10.86%.
- **Loss** of loss incurring CPSEs stood at ₹28,756 crore in 2015-16 compared to ₹27,498 crore in 2014-15 showing an increase in loss by 4.57 %.
- **Overall net profit** of all 244 CPSEs during 2015-16 stood at ₹1,15,767 crore compared to ₹1,02,866 crore during 2014-15 showing a growth in overall profit of 12.54%.
- **Reserves & Surplus** of all CPSEs went up from ₹7,71,389 crore in 2014-15 to ₹7,96,467 cores in 2015-16, showing an increase by 3.25 %.
- **Net worth** of all CPSEs went up from ₹9,84,409 crore in 2014-15 to ₹10,20,737 crore in 2015-16 registering a growth of 3.69 %.
- **Contribution of CPSEs to Central Exchequer** by way of excise duty, customs duty, corporate tax, interest on Central Government loans, dividend and other duties and taxes increased from ₹2,00,593 crore in 2014-15 to ₹2,78,075 crore in 2015-16, showing a growth of 38.63%.
- **Foreign exchange earnings** through exports of goods and services decreased from ₹1,03,071 crore in 2014-15 to ₹77,216 crore in 2015-16, showing a reduction of 25.08%.
- **Foreign exchange outgo** on imports and royalty, know-how, consultancy, interest and other expenditure decreased from ₹5,44,561 crore in 2014-15 to ₹3,88,045 crore in 2015-16 showing a reduction of 28.74%.
- **CPSEs employed** 12.34 lakh people (excluding contractual workers) in 2015-16 compared to 12.91 lakh in 2014-15, showing a reduction in employees by 4.42%.
- **Salary and wages** went up in all CPSEs from ₹1,26,777 crore in 2014-15 to ₹1,28,263 crore in 2015-16 showing a growth of 1.17 %.
- **Total Market Capitalization (M-Cap)** of 46 CPSEs traded on stock exchanges of India is ₹11,06,766 crore as on 31.03.2016 as compared to ₹ 13,27,393 crore as on 31.03.2015 showing a reduction of 16.62%.
- **M-Cap** of CPSEs as per cent of BSE M-Cap decreased from 13.08% as on 31.3.2015 to 11.68% as on 31.3.2016.

Box-2

Macro-View of Performance of Operating CPSEs

(₹ in crore)

Particulars	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
No. of Operating CPSEs	217	214	213	217	220	225	230	234	236	244
Capital Employed	660630	724009	792232	908007	1153833	1337821	1508177	1710453	1833274	1938795
Total Gross Turnover	964890	1096308	1271536	1244805	1498018	1822049	1945814	2066057	1995176	1854667
Total Net Income/Revenue	970357	1102772	1309639	1272219	1470569	1804614	1931186	2056336	1965638	1764749
Networth	452613	518485	583144	652993	709498	776162	850921	926663	962518	1002749
Profit before Dep., Impairment, Int, Exc., Items, Ex. Ord. items & Taxes (PBDIEET)	177990	195049	186836	211184	216602	250654	255936	289361	270400	280254
Depreciation, Depletion & Amortization	38982	42470	44441	51168	57118	63591	66109	69817	77500	74631
DRE/Impairment	5841	5802	7661	9565	187	154	436	851	554	409
Profit before Int, Exc. Items, Ex.Or. Items & Taxes(PBIEET)	139008	152579	142395	160017	159298	186910	189390	218693	192346	205213
Interest	27481	32126	39300	36060	26521	36152	38184	51638	44942	48373
Profit before Exc. Items, Ex.Or. Items & Taxes(PBEET)	111528	120453	103095	123957	132777	150758	151207	167055	147412	156841
Exceptional Items	0	0	0	0	-1479	3957	-13525	-14618	-1335	5580
Profit before Ex.Or. Items & Taxes(PBET)	0	0	0	0	134256	146801	164732	181673	148747	151261
Extra-Ordinary Items	-3553	-2549	-2684	-8280	-2695	-428	-1276	-1550	-1394	-8865
Profit before Taxes(PBT)	115407	122023	117695	132222	136951	147230	166008	183223	150141	160126
Tax Provisions	34352	40749	33828	40018	44871	48985	51025	55178	47230	44638
Net Profit/Loss after Tax from Continuing Operations	81055	81274	83867	92203	92079	98245	114982	128045	102911	115488
Net Profit/Loss after Tax from Discontinuing Operations	0	0	0	0	49	1	-1	250	-45	279
Overall Net Profit/Loss	81055	81274	83867	92203	92129	98246	114981	128295	102866	115767
Profit of Profit-making CPSEs	89581	91577	98488	108434	113944	125929	143543	149636	130364	144523
Loss of Loss-making CPSEs	-8526	-10303	-14621	-16231	-21816	-27683	-28562	-21341	-27498	-28756
Profit -making CPSEs (No.)	154	160	158	157	158	161	151	164	159	165
Loss -incurring CPSEs (No.)	61	54	55	60	62	64	78	70	76	78
CPSEs making no Profit/Loss (No.)	2	0	0	0	0	0	1	0	1	1
Dividend	26819	28123	25501	33223	35700	42627	49703	65115	56527	70954
Dividend Tax	4107	4722	4132	5151	5372	5877	6704	8709	8642	11086

1.2 Cognate group-wise status of CPSEs

The enterprises covered in this Survey have been classified into six categories having 23 different cognate groups. Cognate group-wise and individual

enterprises-wise analysis are given in Volume II of this Survey. The cognate groups in which the enterprises have been classified are given below in Box-3.

Box 3

Cognate group-wise enterprises

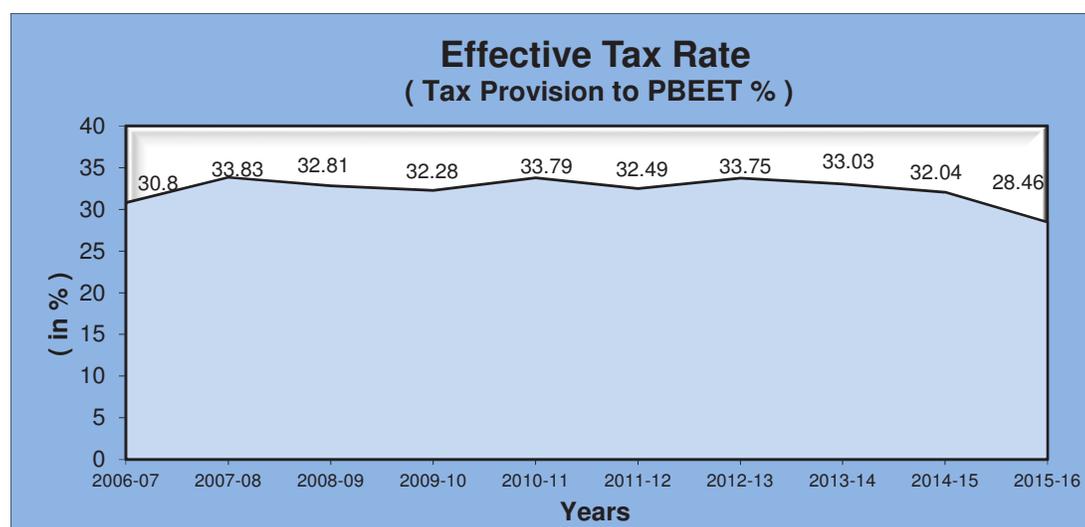
Sl. No.	Cognate Groups	No. of Enterprises as on	
		31.3.2016	31.3.2015
I	Agriculture		
1.	Agro-based Industries	5	5
II	Mining		
1.	Coal	8	8
2.	Crude Oil	5	5
3.	Other Minerals & Metals	12	12
III	Manufacturing		
1.	Steel	5	5
2.	Petroleum (Refinery & Marketing)	8	8
3.	Fertilizers	7	7
4.	Chemicals & Pharmaceuticals	16	14
5.	Heavy Engineering	7	8
6.	Medium & Light Engineering	20	20
7.	Transportation Equipment	8	8
8.	Consumer Goods	12	12
9.	Textiles	4	4
IV	Electricity		
1.	Power Generation	11	10
2.	Power Transmission	3	3
V	Services		
1.	Trading & Marketing	22	21
2.	Transport Services	15	14
3.	Contract & Construction Services	17	15
4.	Industrial Development & Tech. Consultancy Services	23	21
5.	Tourist Services	9	9
6.	Financial Services	21	21
7.	Telecommunication Services	6	6
VI	Enterprises Under Construction	76	62
	Total (I+II+III+IV+V+VI)	320	298

1.3 Effective Tax Rate & Interest Burden

The effective tax rate is the net rate a taxpayer pays if all forms of taxes are included and divided by taxable income. The effective tax rate is often a more accurate representation of tax payer's tax liability than its marginal tax rate. In terms of

'effective tax rate', the tax burden on CPSEs was 30.80% in 2006-07 which increased to 33.83% in 2007-08. Thereafter, the effective tax rate has been in the range of 32.04% to 33.79% till 2014-15 and this has decreased to 28.46%, in the year 2015-16, (Table 1.1).

Fig 1.1



The interest burden on CPSEs measured as 'interest to gross profit' shows an increasing trend from 2006-07 to 2008-09 increasing from 19.77% in 2006-07 to 27.60% in 2008-09. Since then it has decreased to 16.65% in the year 2010-11. Thereafter,

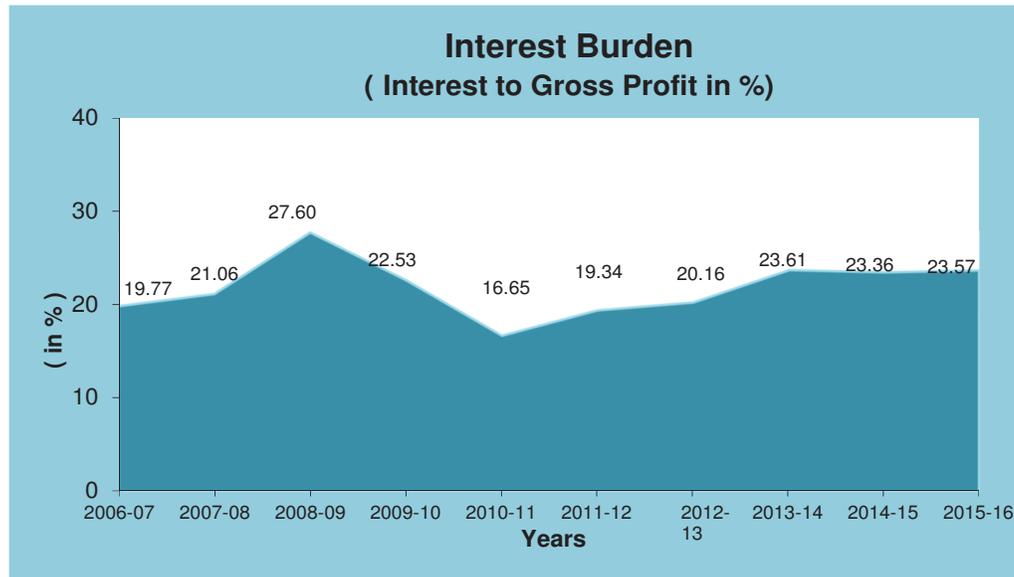
during the period 2011-12 to 2013-14 it has shown increasing trend as it has increased from 19.34% in 2011-12 to 23.61% in 2013-14. During 2015-16, it has increased to 23.57% from 23.36% in the year 2014-15 (Table 1.1).

Table -1.1

Tax provision and interest burden of CPSEs

Sl. No.	Years	Tax Provision to Profit Before Exp. Items & Extra Ordinary Items (%)	Interest Burden (Interest to Gross Profit in %)
1.	2006-07	30.80	19.77
2.	2007-08	33.83	21.06
3.	2008-09	32.81	27.60
4.	2009-10	32.28	22.53
5.	2010-11	33.79	16.65
6.	2011-12	32.49	19.34
7.	2012-13	33.75	20.16
8.	2013-14	33.03	23.61
9.	2014-15	32.04	23.36
10.	2015-16	28.46	23.57

Fig 1.2



1.4 Aggregate Balance Sheet (2013-14 to 2015-16)

Table 1.2 below provides information on ‘Sources of Funds and Liabilities & Assets’ (capital available and the utilization) with CPSEs at the aggregate level during the last three years based on the Schedule III prescribed under Companies Act, 2013. The share-holders funds available with CPSEs increased from ₹9,84,409 crore in 2014-15 to ₹10,24,801 crore 2015-16. While ‘reserves and surplus’ showed an increase by 3.25 per cent, over the previous year, the ‘long term borrowings’ increased by 6.91 per cent during 2015-16 over 2014-15. In absolute terms, ‘reserves and surplus’ increased to ₹7,96,467 crore in 2015-16 from the earlier level of ₹7,71,389 crore in 2014-15 and long term borrowing has increased to ₹9,43,510 crore in 2015-16 from ₹8,82,534 crore in year 2014-15 (Table 1.2).

In terms of Assets (application of funds) there was a growth of 8.37 per cent in ‘non-current assets’ and 1.14 per cent in current assets during

2015-16 over 2014-15. While there was a growth of 9.48 per cent in ‘gross block’ (under ‘non-current assets’), there was reduction of 8.22 per cent in ‘current investment’ (under current assets) in 2015-16 over 2014-15. While the ‘non-current assets’ account for 67.06 per cent of the total assets in 2015-16 as compared to 65.53 per cent in 2014-15, ‘current assets’ account for 32.94 per cent in 2015-16 as against 34.47 per cent in 2014-15. In the category of “non-current assets” the share of ‘net block’ account for 28.90 per cent, the share of long term ‘loans and advances’ stood at 20.63 per cent to total assets in the year 2015-16. Similarly, in the category of “current assets” the ‘trade receivable’ claimed a share of 6.56 per cent, the share of ‘cash and bank balances’ stood at 7.65 per cent to total assets during 2015-16. It can be observed from the balance sheet given in Table 1.2 that the during the year 2015-16, current investments, trade receivables and cash & bank balances have decreased by 8.22 per cent, 8.64 per cent and 4.51 per cent respectively as compared to previous year.

Table 1.2
Aggregate Balance Sheet of CPSEs

(₹ in crore)

PARTICULARS	2015-16	2014-15	2013-14
I. EQUITY & LIABILITIES			
(1.1) Share-holders Funds			
(a) Paid-up Capital	218878.26	204945.79	194997.02
(b) Money received against share warrants	0	0	0
(c) Reserves & Surplus	796466.84	771389.33	746994.07
(d) Share application money	9455.75	8074.17	3725.42
Total Share-holders Funds (a+b+c+d)	1024800.85	984409.29	945716.51
(1.2) Non-current Liabilities			
(e) Long Term Borrowings	943510.24	882534.36	793373.23
(f) Deferred tax liabilities (Net)	63679.74	56389.86	52671.75
(g) Other Long-term liabilities	94390.90	79742.54	72447.27
(h) Long-term provisions	118193.46	107367.75	97552.00
Total Non-Current Liabilities (e+f+g+h)	1219774.34	1126034.51	1016044.25
(1.3) Total Current Liabilities			
(i) Short Term Borrowings	239902.44	218001.69	259822.38
(j) Trade Payables	174625.17	185411.86	189019.67
(k) Other current liabilities	432834.49	407003.66	368260.58
(l) Short-term provisions	88706.71	83254.01	77286.56
Total Current Liabilities (i+j+k+l)	936068.81	893671.22	894389.19
GRAND TOTAL (1.1+1.2+1.3)	3180644.00	3004115.02	2856149.95
II. ASSETS			
(2.1) Non-Current Assets			
(a) Gross Block	1682735.31	1537038.15	1396576.54
(b) Depreciation & Amortization and Impairment	763498.63	747295.33	677801.26
(c) Capital Work-In-Progress (including Intangible Assets under developmet)	343580.00	369888.07	359954.26
(d) Non-Current Investments	125646.57	112730.14	105798.72
(e) Deferred Tax Assets	17087.44	14010.94	11955.19
(f) Long Term Loans and Advances	656023.12	618435.93	536426.60
(g) Other Non-Current Assets	71659.52	63719.61	57099.61
Total Non-Current Assets (a-b+c+d+e+f+g)	2133233.33	1968527.51	1790009.66
(2.2) Current Assets			
(i) Current Investments	24213.90	26381.25	26305.99
(j) Trade Recievables	208710.45	228451.46	211051.40
(k) Cash & Bank Balance	243477.50	254988.07	263501.86
(l) Other Current Assets	571008.82	525766.74	565281.04
Total Current Assets (h+i+j+k)	1047410.67	1035587.52	1066140.29
GRAND TOTAL (2.1+2.2)	3180644.00	3004115.02	2856149.95

1.5 Investment Pattern in terms of Gross Block

The investment pattern (financial investment and real investment) in different sectors by CPSEs is given in Fig. 1.3. The major portion of financial investment is in Services Sector (51.34%) whereas real investment is in Electricity Sector (29.56%) (Table 1.3).

The overall growth in investment in CPSEs in terms of 'gross block' (inclusive of capital work-in-progress), stood at 6.26 per cent in 2015-16 over

the previous year (Table 1.3). In terms of gross block, the 'electricity' CPSEs had the highest share in aggregate investment (of all CPSEs) at 29.56 per cent. This was followed by 'manufacturing' (29.12%), 'mining' (24.28%) and 'services' (15.85%). In terms of growth in investment over the previous year, the highest growth (other than CPSEs under construction and agriculture) was recorded by 'electricity' (13.19%) followed by 'manufacturing' (12.93%) and 'services sector' (1.24%).

Fig. 1.3

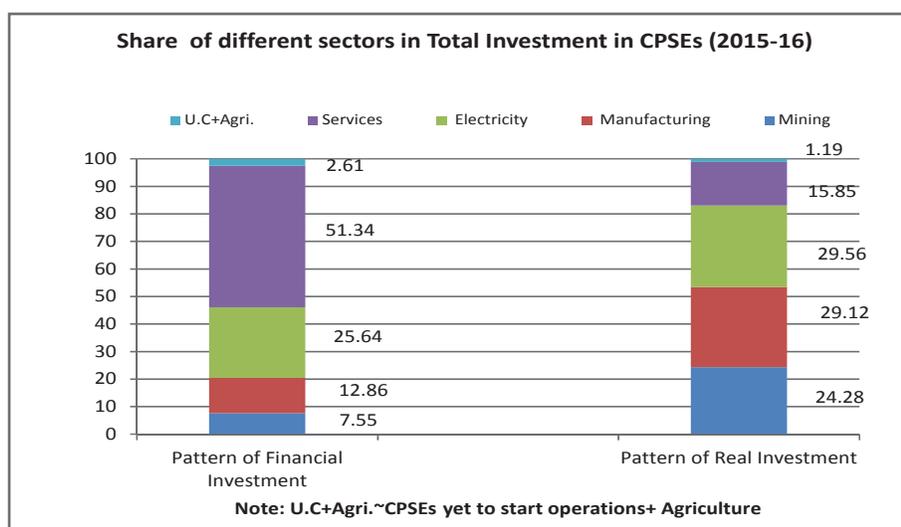


Table 1.3
Pattern of investment in terms of Gross Block
(2014-15 and 2015-16)

(₹ in crore)

Sl. No.	Sector	Investment in terms of Gross Block		Growth rate over the previous year	Gross Block as % of Total as on 31.3.2016
		2015-16	2014-15		
1	Agriculture	910.47	1004.91	-9.40	0.04
2	Electricity	598909.44	529103.46	13.19	29.56
3	Manufacturing	590094.07	522528.76	12.93	29.12
4	Mining	491990.52	507165.71	-2.99	24.28
5	Services	321173.98	317231.23	1.24	15.85
6	Under Construction	23236.83	29892.15	-22.26	1.15
Total :		2026315.30	1906926.20	6.26	100.00

Note: This is inclusive of capital- work-in-progress (including intangible assets).

1.5.1 Top 10 CPSEs in terms of Gross Block

Gross block in top 10 CPSEs amounted to ₹14,09,272.20 crore as on 31.3.2016. This was equal to 69.56 per cent of the total gross block in all CPSEs. Oil & Natural Gas Corporation Limited, NTPC Ltd and Power Grid Corporation of India

Ltd. are the top three CPSEs amongst the top ten CPSEs in terms of gross block during the year 2015-16 (Table 1.4). The share of these 3 CPSEs alone was 32.76% of the total gross block of all the CPSEs as on 31.3.2016.

Table 1.4
Gross Block in Top Ten Enterprises, as on 31.3.2016

(₹ in crore)

Sl. No.	CPSE Name	Investment in terms of Gross Block	Share in Total Gross Block (%)
1	Oil & Natural Gas Corporation Ltd.	256597.89	12.66
2	NTPC Ltd.	213273.09	10.53
3	Power Grid Corporation of India Ltd.	193861.88	9.57
4	Bharat Sanchar Nigam Ltd.	173738.80	8.57
5	Indian Oil Corporation Ltd.	171581.22	8.47
6	ONGC Videsh Ltd.	124217.81	6.13
7	Steel Authority of India Ltd.	100201.74	4.95
8	Nuclear Power Corpn. of India Ltd.	59725.68	2.95
9	Bharat Petroleum Corpn. Ltd.	59148.57	2.92
10	Hindustan Petroleum Corpn. Ltd.	56925.52	2.81
	Total	1409272.20	69.56
	Grand Total	2026315.31	100.00

* Gross Block inclusive of Capital-work-in progress and intangible assets under development.

1.5.2 Financial Investment in CPSEs

Financial investment (equity plus long term loans) in all the 320 CPSEs as on 31.3.2016 stood at ₹11,71,844 crore as compared to ₹10,95,554 crore in the previous year, showing an increase by ₹76,290/- crore or a growth of 6.96 per cent. Table 1.5 below shows the sector-wise and cognate group-wise cumulative investment in CPSEs as on 31.3.2014, 31.3.2015 and 31.3.2016. In terms of share in total investment, the CPSEs in the 'service' sector had

the highest share in financial investment (51.34%) as on 31.3.2016. This was followed by 'electricity' sector (25.64%), 'manufacturing' sector (12.86%) and 'mining' sector (7.55%).

Table 1.5
Group-wise Investment of CPSEs during the last 3 years

(₹ in crore)

Sl. No.	Sector / Cognate Group	Financial Investment During		
		2015-16	2014-15	2013-14
	Agriculture			
1	Agro Based Industries	1442.99	1301.51	1180.96
	Sub Total :	1442.99	1301.51	1180.96
	Mining			
2	Coal	17378.86	17374.88	15843.11
3	Crude Oil	66174.10	64177.90	41928.62
4	Other Minerals & Metals	4969.76	4696.60	4617.60
	Sub Total :	88522.72	86249.38	62389.33
	Manufacturing			
5	Steel	29005.74	23616.19	24913.69
6	Petroleum (Refinery & Marketing)	72316.31	84333.2	87752.79
7	Fertilizers	7170.45	15566.01	16073.84
8	Chemicals & Pharmaceuticals	15282.74	6884.77	6294.17
9	Heavy Engineering	1592.86	1617.24	2639.68
10	Medium & Light Engineering	12912.41	12519.45	11095.96
11	Transportation Equipment	2210.02	2382.42	2445.53
12	Consumer Goods	6304.63	3828.23	3682.24
13	Textiles	3862.15	3817.16	3781.47
	Sub Total :	150657.31	154564.67	158679.37
	Electricity			
14	Power Generation	194930.04	174848.74	154012.60
15	Power Transmission	105471.47	94607.56	82021.94
	Sub Total :	300401.51	269456.3	236034.54
	Services			
16	Trading & Marketing	16493.86	16543	19419.76
17	Transport Services	72604.15	70462.52	66349.97
18	Contract & Construction Services	11540.66	11231.32	10606.69
19	Industrial Development & Tech. Consultancy Services	1624.67	1387.51	1193.16
20	Tourist Services	405.51	326.28	387.51
21	Financial Services	470720.62	431714.28	389669.81
22	Telecommunication Services	28117.47	23588.98	22343.82
	Sub Total :	601506.94	555253.89	509970.72
	Under Construction			
23	Enterprises Under Construction	29312.78	28728.57	23840.75
	Sub Total :	29312.78	28728.57	23840.75
	Grand Total :	1171844.25	1095554.32	992095.67

1.6 Turnover of CPSEs

The Gross revenue / turnover of operating CPSEs has declined from ₹19,95,176 crore in 2014-15 to ₹18,54,667 crore in 2015-16 showing a decrease of 7.04 %. Similarly, turnover had also decreased by 3.43% in 2014-15 from the year 2013-

14. Thus, CPSEs performance on this account is somewhat gone down due to lower prices of commodities, and low foreign exchange earnings by the enterprises. There were considerable variations within the cognate groups as well as among them as is evident from Table 1.6.

Table 1.6
Group-wise Turnover of CPSEs during 2013-14, 2014-15 and 2015-16

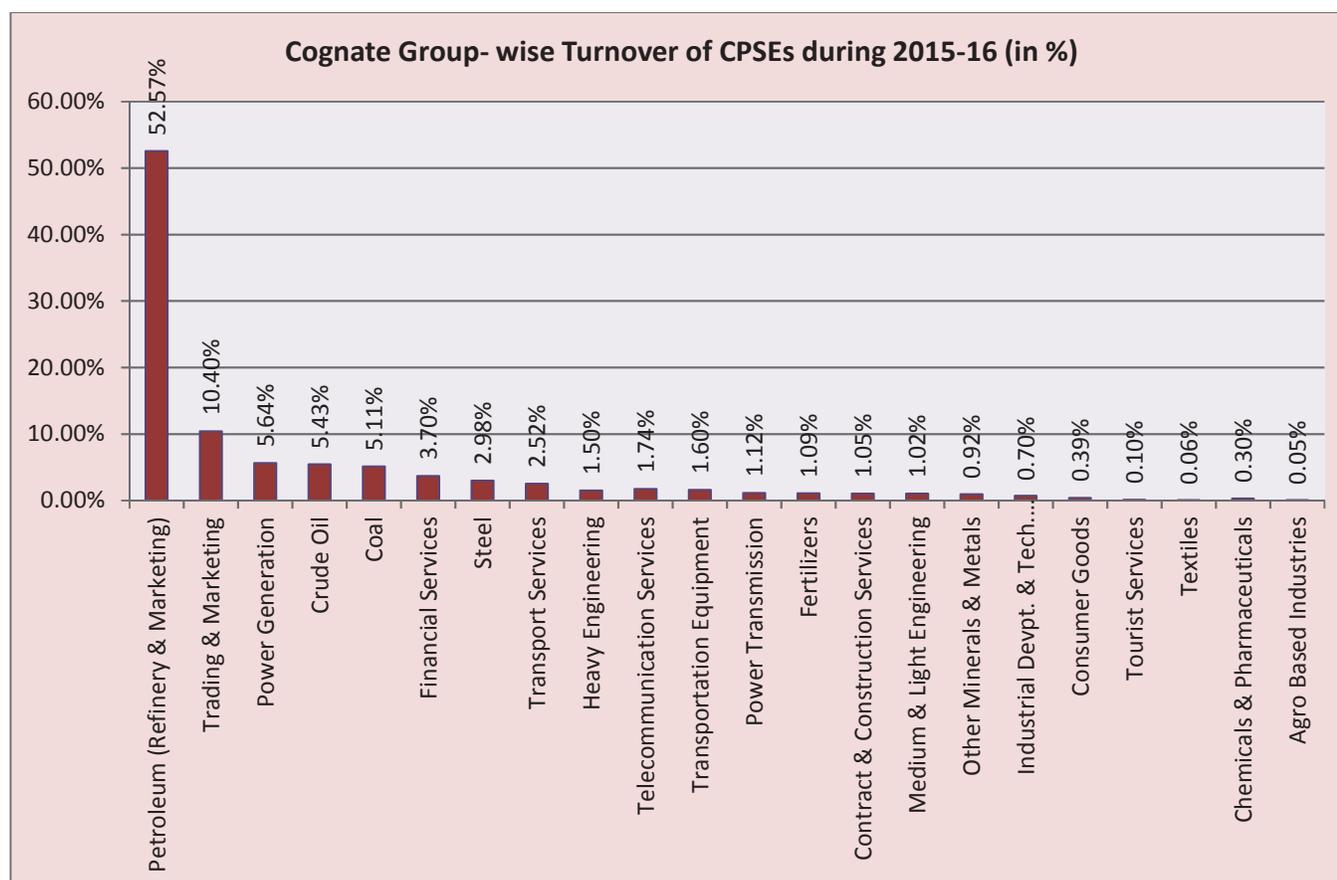
(₹ in crore)

S. No.	Sector / Cognate Group	Turnover		
		2015-16	2014-15	2013-14
	Agriculture			
1	Agro Based Industries	932.93	1058.60	865.59
	Sub Total :	932.93	1058.60	865.59
	Mining			
2	Coal	94839.08	86674.38	80365.93
3	Crude Oil	100724.50	111732.35	115575.34
4	Other Minerals & Metals	17120.92	24240.72	24734.61
	Sub Total :	212684.50	222647.45	220675.88
	Manufacturing			
5	Steel	55269.09	62643.71	66726.51
6	Petroleum (Refinery & Marketing)	975054.80	1118125.26	1198990.01
7	Fertilizers	20183.58	20714.3	20050.72
8	Chemicals & Pharmaceuticals	5494.50	1202.77	1260.78
9	Heavy Engineering	27777.01	32335.81	42439.29
10	Medium & Light Engineering	18990.50	16158.27	14976.52
11	Transportation Equipment	29754.83	26582.59	25354
12	Consumer Goods	7275.38	7501.04	6568.29
13	Textiles	1173.26	1252.29	1162.77
	Sub Total :	1140972.95	1286516.04	1377528.89
	Electricity			
14	Power Generation	104548.65	104383.88	100042.17
15	Power Transmission	20836.31	17257.84	15289.13
	Sub Total :	125384.96	121641.72	115331.3
	Services			
16	Trading & Marketing	192963.33	197554.16	200559.97
17	Transport Services	46665.38	43926.63	39908.83
18	Contract & Construction Services	19387.54	16545.33	16509.35
19	Industrial Development & Tech. Consultancy Services	12961.03	10711.4	9711.22
20	Tourist Services	1887.98	1637.75	1435.13
21	Financial Services	68601.05	61811.28	53535.54
22	Telecommunication Services	32225.71	31125.76	29995.2
	Sub Total :	374692.02	363312.31	351655.24
	Grand Total :	1854667.36	1995176.12	2066056.90

It has been observed that Petroleum (Refinery & Marketing) contributing more than 50% of the total turnover of all operating CPSEs followed by Trading & Marketing (10.40%) and Power Generation (5.64%). It has also been observed that seven cognate groups namely, Other

Minerals & Metals, Industrial Development & Tech. Consultancy Services, Consumer Goods, Tourist Services, Textiles, Chemicals & Pharmaceuticals and Agro based sector are contributing less than 1% of the total turnover of all operating CPSEs as given in figure 1.4 below

Fig. 1.4



1.6.1 Sector-wise Turnover in CPSEs

The major portion of turnover of CPSEs is coming from Petroleum (Refinery & Marketing), Trading & Marketing Services, Electricity (Power Generation), Crude Oil, and Coal. However, there were considerable variations within the cognate groups as well as among them.

The Services sector recorded the highest growth in turnover (3.13%) during 2015-16 (over the previous year growth of 3.31 per cent). However, within this group Industrial Development & Tech. Consultancy Services sector grew by 21

per cent and outpaced the growth of Contract & Construction services, Tourist services, Financial services, Transport Services, Telecommunication services and Trading & Marketing services which grew at 17.18 per cent, 15.28 per cent, 10.98 per cent, 6.23 per cent, 3.53 per cent and (-)2.32 per cent respectively in terms of turnover. Chemicals & Pharmaceuticals sector (356.82%) recorded highest growth in turnover. This was followed by Industrial Development & Technical Consultancy Services sector which registered 21% growth in turnover as compared to last year growth rate of 10.30%. The 'electricity' sector registered a growth in revenue

(3.13%) from the operations during 2015-16 as compared to a growth (3.31%) in 2014-15 (Table 1.7). CPSEs in group of Coal, Medium & Light Engineering, Transportation equipment, Power generation and Power Transmission have recorded growth of 9.42%, 17.53%, 11.93%, 0.16% and 20.74% respectively recorded. Turnover of CPSEs

in cognate group of Crude Oil (-9.85%), Other Minerals & Metals (-29.37%), Steel (-11.77%), Petroleum (-12.80%), Fertilizers (-2.56%), Heavy Engineering (-14.10%), Consumer Goods (-3.01%), Textiles (-6.31%), Trading & Marketing (-2.32%) have declined during the year 2015-16.

Table 1.7
Sector wise Growth in Gross Revenue/Turnover (2015-16 & 2014-15)

(In % age)

Sector	2015-16	2014-15
Agriculture	-11.87	22.3
Mining	-4.47	0.89
Manufacturing	-11.31	-6.61
Electricity	3.08	5.47
Services	3.13	3.31
All CPSEs	-7.04	-3.43

There was, moreover, much variation in growth from industry to industry. There was significant decline in revenue in CPSEs belonging to enterprises like crude oil, other minerals & metals, steel, petroleum (Refinery & Marketing), heavy engineering, and trading & marketing.

1.7 Aggregate Profit and Loss Account of CPSEs:

Aggregate net profit reported by all 244 operating CPSEs is ₹ 1,15,767 crore in 2015-16 as against ₹ 1,02,866 crore reported in the year 2014-15, showing an increase of 12.54% in 2015-16 as against decrease of 19.82 % in 2014-15. It is pertinent to clarify here that profit and loss reported by operating CPSEs is in accounting

terms and includes exceptional and other income. The net profit of profit making CPSEs has gone up to ₹1,44,523 crore in 2015-16 from ₹1,30,364 crore in 2014-15 and showed a increase of profit of 10.86 per cent. The loss of loss incurring CPSEs, on the other hand, was ₹28,756 crore in 2015-16 as compared to ₹27,498 crore in 2014-15. 78 CPSEs reported losses in 2015-16 as against 76 CPSEs in 2014-15. 165 enterprises earned profit in 2015-16 as against 159 enterprises in 2014-15. One enterprise namely Food Corporation of India neither earned profit nor incurred loss during the year 2014-15 and 2015-16. The aggregate profit / loss of all operating enterprises are given in below Table – 1.8

Table-1.8
Aggregate Profit And Loss (-) Account of CPSEs

(₹ in crore)

Profit & Loss Account			
Particulars	2015-16	2014-15	2013-14
(1)	(2)	(3)	(4)
(I) Revenue from Operations (Gross)	1854667.36	1995176.12	2066056.90
Less : Excise Duty	154672.25	92269.39	77002.48
Revenue from Operations (Net)	1699995.11	1902906.73	1989054.42

(II) Other Income	64753.39	62750.25	67282.00
(III) Total Revenue (I+II)	1764748.50	1965656.98	2056336.42
(IV) Expenditure on:			
(a) Cost of materials consumed	417191.76	582492.42	632934.95
(b) Purchase of stock-in-trade	555302.27	625288.10	682874.64
(c) Changes in inventories of finished goods, work-in-progress and stock in trade	16592.33	5958.81	3365.55
(d) Stores & Spares	13630.85	13307.66	11965.14
(e) Power & Fuel	83859.14	92247.78	89614.14
(f) Salary, Wages & Benefits/Employees Expense	128263.22	126776.51	122321.92
(g) Other Operating/direct/manufacturing Expenses	181067.34	165234.74	134545.91
(h) Rent, Royalty & Cess	34343.62	37301.75	36299.06
(i) Loss on sale of Assets/Investments	1209.07	172.03	225.36
(j) Other Expenses	53034.95	46409.70	52829.03
Total Expenditure (IV (a to j))	1484494.54	1695243.35	1766975.70
(V) PROFIT BEFORE DEPRECIATION, & IMPAIRMENT, FINANCE CHARGES/INTEREST, EXCEPTIONAL & EXTRAORDINARY ITEMS & TAXES (PBDIEET)(III-IV)	280253.96	270413.63	289360.72
(VI) Depreciation, Depletion & Amortisation	74631.19	77500.00	69817.23
(VII) Impairment	409.29	554.23	850.69
(VIII) PROFIT BEFORE FINANCE COST/INTEREST, EXCEPTIONAL, EXTRA-ORDINARY ITEMS & TAXES (PBIEET)(V-VI-VII)	205213.48	192359.40	218692.80
(IX) Finance Cost			
(a) On Central Government Loans	1903.24	2133.81	2147.15
(b) On Foreign Loans	5000.14	4738.03	6893.61
(c) Others	51569.27	47369.16	51453.44
(d) Less Finance Cost Capitalised	10099.94	9299.83	8855.95
(e) Charged to P & L Account (a+b+c-d)	48372.71	44941.76	51638.25
(X) PROFIT BEFORE EXCEPTIONAL & EXTRA-ORDINARY ITEMS & TAX (PBEET)(VIII-IX)	156840.77	147417.64	167054.55
(XI) Exceptional Items	5580.03	-1335.48	-14618.25
(XII) PROFIT BEFORE EXTRA-ORDINARY ITEMS & TAX (PBET)(X-XI)	151260.74	148753.12	181672.80
(XIII) Extra-Ordinary Items	-8865.04	-1393.63	-1550.46
(XIV) PROFIT BEFORE TAX (PBT)(XII-XIII)	160125.78	150146.75	183223.26
(XV) Tax Provisions	44637.81	47235.42	55178.02
(XVI) NET PROFIT / LOSS FOR THE PERIOD from Continuing Operations After Tax (XIV-XV)	115487.97	102911.33	128045.24
(XVII) Profit/Loss from discontinuing operations	278.62	0.62	261.64
(XVIII) Tax expenses of discontinuing operations	-0.25	46.00	11.71
(XIX) Profit/Loss from discontinuing operations (after Tax) (XVII-XVIII)	278.87	-45.38	249.93
(XX) Profit/Loss for the period (XVI+XIX)	115766.84	102865.95	128295.17

1.7.1 Cognate group-wise Profit and Loss of CPSEs

Amongst the sectors, 'services', 'manufacturing' and 'electricity' have shown increase in profits of 233.08 per cent, 62.08 per cent and 3.88 per cent respectively whereas 'mining' sector has declined by 11.76 per cent during the year 2015-16 as compared to previous year 2014-15. The 'agriculture' sector continued to report losses in the third consecutive year, though the volume of losses decreased to ₹ (-) 63.4 crore in 2015-16 from ₹ (-) 109.45 crore in 2014-15.

In terms of contribution to profits, the 'mining sector' has contributed maximum (43.54 per cent) in 2015-16, this was followed by 'manufacturing sector' (25.06 per cent), 'electricity sector' (22.19 per cent) 'service sector' (9.26 per cent) and 'agriculture sector' (-0.05 per cent).

Under the 'manufacturing sector' the

enterprises belonging to petroleum (refinery & marketing) and fertilizers have shown increase in profit, while steel, chemicals & pharmaceuticals, heavy engineering, consumer goods and textiles suffered losses during the year 2015-16 whereas the enterprises belonging to transportation equipment showed a decline in profits. In the 'services sector' the enterprises belonging to contract and construction, financial, tourist, and transport have shown increase in profit, while trading & marketing and telecommunication services suffered losses during the year 2015-16. The profits of enterprises belonging to coal of 'mining sector' has increased whereas the profits of enterprises belonging to crude oil and other minerals & metals has declined. The profits of enterprises belonging to power transmission of 'electricity sector' has increased whereas the profits of enterprises belonging to power generation has declined. The sector and cognate group-wise profit/loss is given Table 1.9 below;

Table 1.9
Cognate Group-wise Net Profit Loss (-) of CPSEs for the last 3 years

(₹ in crore)

Sl. No.	Sector / Cognate Group	Net Profit/ Loss (-)		
		2015-16	2014-15	2013-14
	Agriculture			
1	Agro Based Industries	-63.4	-109.45	-106.33
	Sub Total :	-63.4	-109.45	-106.33
	Mining			
2	Coal	30346.19	26717.88	29895.08
3	Crude Oil	16136.85	22115.16	29332.45
4	Other Minerals & Metals	3924.3	8291.27	7973.13
	Sub Total :	50407.34	57124.31	67200.66
	Manufacturing			
5	Steel	-5403.31	2298.52	3089.23
6	Petroleum (Refinery & Marketing)	27172.69	15113.9	17868.87
7	Fertilizers	9123.88	270.05	-543.46
8	Chemicals & Pharmaceuticals	-1574.77	-475.83	-495.96
9	Heavy Engineering	-1133.03	1060.74	3686.13
10	Medium & Light Engineering	724.97	-158.43	51.53
11	Transportation Equipment	2841.08	3042.8	3404.17
12	Consumer Goods	-2662.37	-2831.05	-1406.44
13	Textiles	-78.09	-417.53	-277.52
	Sub Total :	29011.05	17903.17	25376.55
	Electricity			

14	Power Generation	19632.63	19700.67	18792.17
15	Power Transmission	6056.44	5027.97	4541.04
Sub Total :		25689.07	24728.64	23333.21
	Services			
16	Trading & Marketing	-796.26	285.49	311.11
17	Transport Services	202.68	-2628.61	-4243.97
18	Contract & Construction Services	1339.97	1246.43	1465.21
19	Industrial Development & Tech. Consultancy Services	988.83	1043.61	1149.33
20	Tourist Services	146.33	111.29	40.53
21	Financial Services	14630.45	14167.64	12823.96
22	Telecommunication Services	-5789.22	-11006.57	944.91
SUB TOTAL :		10722.78	3219.28	12491.08
GRAND TOTAL :		115766.84	102865.95	128295.17

1.7.2 Top ten profit making CPSEs

Table 1.10 and Table 1.11 provide the list of the top ten profit making and top ten loss making CPSEs respectively. Coal India Ltd, Oil & Natural Gas Corporation Ltd., and Indian Oil Corporation Limited were ranked first, second and third respectively amongst the top ten profit making CPSEs contributing 17.82%, 17.45% and 11.34% respectively to the total profit earned by the top

ten profit making CPSEs during the year 2015-16. Hindustan Fertilizer Corporation Limited and Mahanadi Coalfields Limited has entered in the top ten profit making CPSEs, on the other hand NMDC Limited and South Eastern Coalfields Limited has gone out from the list of top ten profit making CPSEs. The top ten profit making companies claimed 63.46% of the total profit made by all the (165) CPSEs during the year.

Table 1.10

Top 10 Profit Making CPSEs during 2015-16

(₹ in crore)			
Sl. No.	CPSE Name	Net Profit 2015-16	% age Share
1	Coal India Ltd.	16343.53	17.82
2	Oil & Natural Gas Corporation Ltd.	16003.65	17.45
3	Indian Oil Corporation Ltd.	10399.03	11.34
4	NTPC Ltd.	10242.91	11.17
5	Hindustan Fertilizer Corpn. Ltd*.	9340.14	10.18
6	Bharat Petroleum Corpn. Ltd.	7431.88	8.10
7	Power Finance Corporation Ltd.	6113.48	6.67
8	Power Grid Corporation Of India Ltd.	6026.72	6.57
9	Rural Electrification Corpn. Ltd.	5627.66	6.14
10	Mahanadi Coalfields Ltd.	4184.74	4.56
Total (1 to 10)		91713.74	63.46
Net Profit of profit -making CPSEs		144523.03	100.00

* Due to Extra-ordinary income, Hindustan Fertilizer Corporation Limited reported net profit in the year 2015-16.

1.7.3 Top ten loss making CPSEs

Table 1.11 provides the list of top ten loss making CPSEs. Amongst the top ten loss making companies, Steel Authority of India Limited, Bharat Sanchar Nigam Ltd. and Air India Ltd., were the top three loss making CPSEs during 2015-16. The top ten loss making companies claimed 79.81% of the total losses made by all the (78) CPSEs during the year. The top three loss making CPSEs namely, Steel Authority of India Limited, BSNL and Air India Ltd. incurred a loss equal to 51.65% of the total loss by the

top ten loss making CPSEs in 2015-16. Mangalore Refinery & Petrochemicals Limited, STCL Limited, Fertilizers & Chemicals Limited (Travancore) Limited, Air India Engineering Services Limited and Hindustan Fertilizers Corporation Limited have gone to the profit zone from loss making sector and Steel Authority of India Limited, ONGC Videsh Limited, Rashtriya Ispat Nigam Limited, PEC Limited and Bharat Heavy Electricals Limited has entered into top ten loss making CPSEs during the year 2015-16.

Table 1.11
10 Major Loss Making CPSEs during 2015-16

(₹ in crore)

Sl. No.	CPSE Name	Net Loss 2015-16	%age Share
1	Steel Authority of India Ltd.	-4137.26	18.03
2	Bharat Sanchar Nigam Ltd.	-3879.92	16.90
3	Air India Ltd.	-3836.78	16.72
4	Hindustan Photo Films Manufacturing Co. Ltd.	-2527.91	11.01
5	ONGC Videsh Ltd.	-2093.55	9.12
6	Mahanagar Telephone Nigam Ltd.	-2005.74	8.74
7	Rashtriya Ispat Nigam Ltd.	-1420.64	6.19
8	P E C Ltd.	-1142.02	4.98
9	Hindustan Cables Ltd.	-994.12	4.33
10	Bharat Heavy Electricals Ltd.	-913.42	3.98
Total (1 to 10)		-22951.36	79.81
Net losses of loss- making CPSEs		-28756.19	100.00

1.7.4 CPSEs and Profitability Ratios:

Box-4 below shows the different financial ratios relating to the aggregate performance of operating CPSEs, for the last ten years. A perusal of profit related ratios shows increase in dividend payout ratio and profitability of CPSEs during the year 2015-16 over the year 2014-15. Some other important ratios like sales to capital employed,

current ratio and debt/equity ratios have decreased in 2015-16 from the previous year 2014-15.

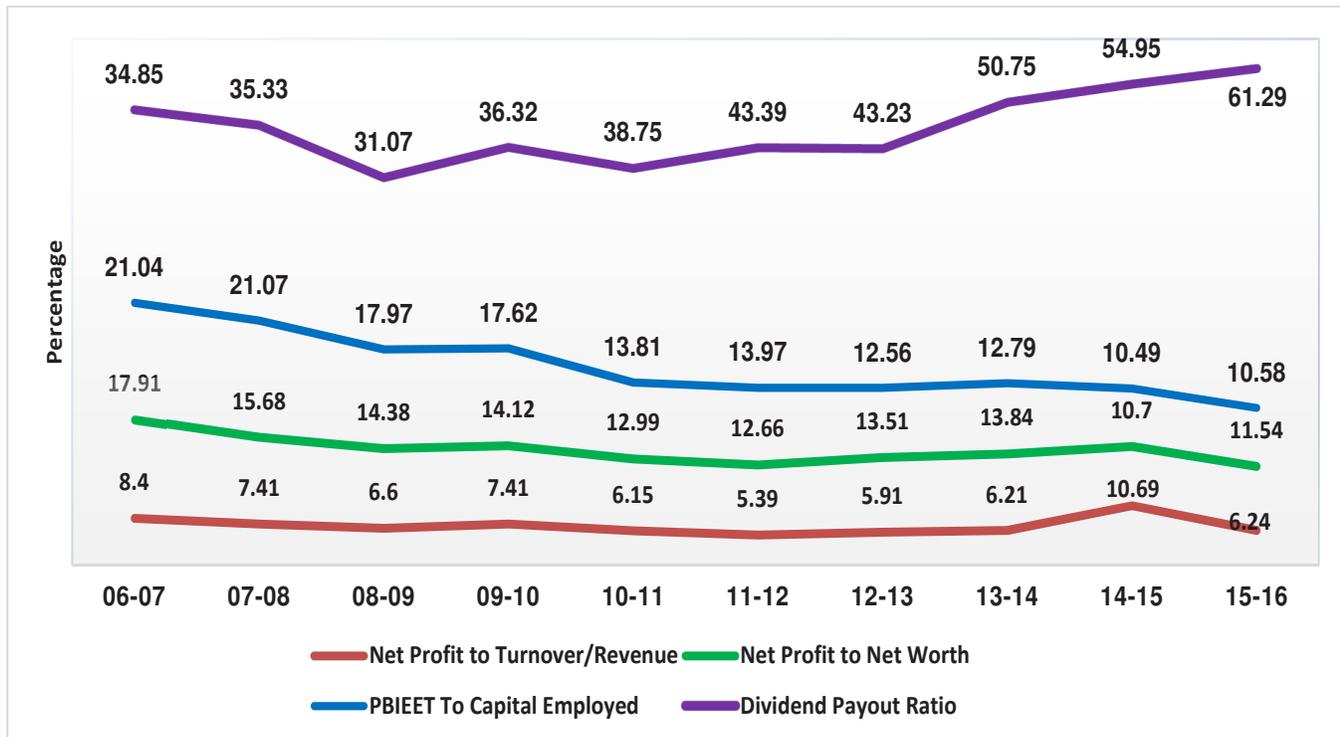
Box- 4
Profitability Ratios of CPSEs

(in per cent)

Particulars	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
Sales to Capital employed	146.06	151.42	160.50	137.09	129.83	136.20	129.02	120.79	108.83	95.66
PBDIEET to Capital employed	26.94	26.94	23.58	23.26	18.77	18.74	16.97	16.92	14.75	14.46
PBET to Net worth	17.05	15.37	11.88	12.85	18.92	18.91	19.36	19.61	15.45	15.08
PBDIEET to Turnover/Revenue	18.45	17.79	14.69	16.97	14.46	13.76	13.15	14.01	13.55	15.11
PBIEET to Capital employed	21.04	21.07	17.97	17.62	13.81	13.97	12.56	12.79	10.49	10.58
PBIEET to Turnover/Revenue	14.41	13.92	11.20	12.85	10.63	10.26	9.73	10.59	9.64	11.06
PBEET to Turnover/Revenue	11.56	10.99	8.11	9.96	8.86	8.27	7.77	8.09	7.39	8.46
Net Profit to Turnover/Revenue	8.40	7.41	6.60	7.41	6.15	5.39	5.91	6.21	5.16	6.24
Net Profit to Capital Employed	12.27	11.23	10.59	10.15	7.98	7.34	7.62	7.50	5.61	5.97
Net Profit to Net Worth	17.91	15.68	14.38	14.12	12.99	12.66	13.51	13.84	10.69	11.54
Dividend payout Ratio	34.85	35.33	31.07	36.32	38.75	43.39	43.23	50.75	54.95	61.29
Tax Provision to PBEET	30.80	33.83	32.81	32.28	33.79	32.49	33.75	33.03	32.04	28.46
Interest to Gross Profit	19.77	21.06	27.60	22.53	16.65	19.34	20.16	23.61	23.36	23.57

Fig. 1.5
Profitability Ratios (2006-07 to 2015-16)

(in per cent)



1.8 Net Value Addition by CPSEs

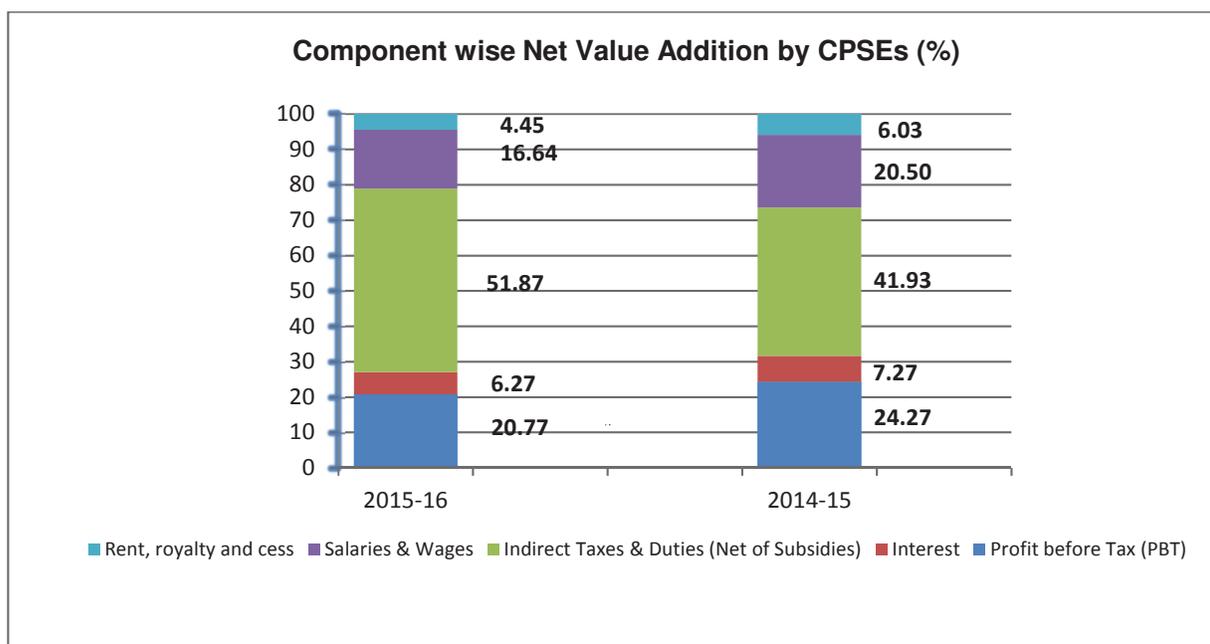
GDP at current prices for the year 2015-16 estimated at ₹ 135.76 lakh crores showed a growth rate of 8.71% over the First Revised Estimates of GDP for the year 2014-15 of ₹ 124.88 lakh crore. The net value addition by CPSEs increased from ₹6,18,531 crore in 2014-15 to ₹ 7,70,976 crore in 2015-16 recording a growth rate of 24.65% (Table 1.12). Thus, the share of net value addition as a ratio to GDP stood at 5.68% in the year 2015-16 as against 4.95% in 2014-15. The share of gross value addition by CPSEs (net value addition + depreciation & impairment) in the GDP stood at 6.23% in 2015-16 as against 5.58% in 2014-15. In real terms the Gross Value Addition was ₹ 8,46,016 crore in 2015-16 and in 2014-15 was ₹6,96,585 crore.

Table 1.12
Components of Net Value Addition in CPSEs

(₹ in crore)

S.No.	Net Value Addition	2015-16	Share (%)	2014-15	Share (%)
1	Profit before Tax(PBT)	160125	20.77%	150146	24.27%
2	Interest	48372	6.27%	44941	7.27%
3	Indirect Taxes & Duties (Net of subsidies)	399873	51.87%	259367	41.93%
4	Salaries & Wages	128263	16.64%	126776	20.50%
5	Rent, royalty and cess	34343	4.45%	37301	6.03%
	Total:	770976	100.00	618531	100.00

Fig. 1.6



1.8.1 Components of Net Value Addition

In terms of 'net value addition' (gross value addition - depreciation) generated by CPSEs in 2015-16, the share of indirect taxes & duties (net of subsidies) was the highest at 53.77%. This was followed by 'profit before tax' (19.95%), salary & wages (15.98%), interest payment (6.03%) and rent royalty and cess (4.28%). A Comparisons between the respective shares of each of these items during 2015-16 and show that the share of profit before tax, interest, salary and wages, and rent royalty and cess has decreased whereas the share of indirect taxes

and duties, has increased in 2015-16.

1.9 Contribution to the Central Exchequer

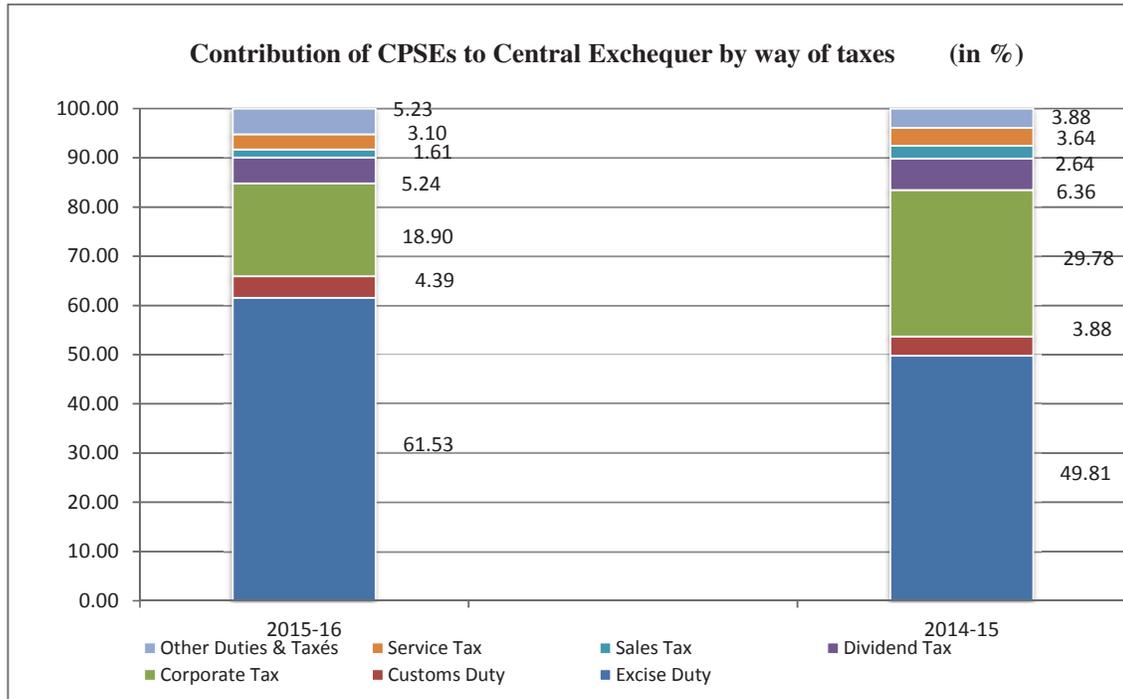
CPSEs contribute to the Central Exchequer by way of dividend payment, interest on government loans and payment of taxes & duties. Due to increase in contribution of all the components to Central Exchequer, the total contribution of CPSEs to the Central Exchequer during the year 2015-16, has increased from ₹2,00,593 crore in 2014-15 to ₹2,78,075 crore in 2015-16 showing an increase of 38.63%. (Table 1.13).

Table 1.13
Contribution to the Central Exchequer

(₹ in crore)

Sl. No.	Particulars	2015-16	2014-15	2013-14	2012-13	Growth(%)over Last Year
I(1). As Owner						
(i)	Dividend	43726	38166	45523	28864	14.57
I(2). As Lender						
(i)	Interest	7483	400	745	796	1770.50
Total I		51209	38566	46268	29660	32.78
II. Taxes Paid by CPSEs to Central Government						
1.	Excise Duty	139601	80703	63832	59184	72.98
2.	Custom Duty	9952	6282	6813	6076	58.42
3.	Corporate Tax	42880	48257	81554	44611	-11.14
4.	Dividend Tax	11878	10312	9292	6470	15.19
5.	Sales Tax	3663	4280	3141	2797	-14.42
6.	Service Tax	7025	5898	5119	6290	19.11
7.	Other Duties & Taxes	11867	6295	4963	8125	40.02
Total II		226866	162027	174714	133553	40.02
Grand Total (I+II)		278075	200593	220982	163213	38.63

Fig. 1.7



1.10 Employment in CPSEs

As on 31.3.2016, the 320 CPSEs employed over 12.34 lakh people (excluding contract workers). Around 30% of the manpower of CPSEs belongs to managerial and supervisory cadres. Total number of employees in CPSEs is declining every year since

2006-07 except during 2011-12, on other hand per capita emoluments has been increasing. The per capita emolument was ₹3,25,869 per annum in 2006-07 and has increased to ₹10,39,732 per annum in year 2015-16. The details of employment in CPSEs and per capita emoluments are shown in Table 1.14

**Table 1.14
Employment and Average Annual Emoluments in CPSEs**

Year	Employees (in lakh) (Excluding contract workers)	Total Emoluments (₹ in crore)	Per capita Emoluments (₹)
2006-07	16.14	52586	325869
2007-08	15.65	64306	410898
2008-09	15.33	83045	541716
2009-10	14.90	87792	589210
2010-11	14.40	98402	683347
2011-12	14.50	105648	728606
2012-13	14.02	116363	830263
2013-14	13.49	122322	906665
2014-15	12.91	127387	986598
2015-16	12.34	128263	1039732

1.11 Memorandum of Understanding (MoU) system in CPSEs

The Memorandum of Understanding (MoU) is a mutually negotiated agreement between the management of CPSEs and the Government of India / Holding CPSEs. MoU system involves goal setting in financial and non-financial areas and performance evaluation of these goals. A High Power Committee under the Cabinet Secretary Oversees the MoU system. MoU facilitates empowerment and enhancement of performance of CPSEs. CPSEs are made more accountable and result oriented. Objectives of MoU are (i) Improve the performance of CPSEs by increasing autonomy and accountability of management; (ii) Fixing the targets in accordance with the goal and objectives of

CPSEs; (iii) Enable performance evaluation through objective criteria and; (iv) Provide a mechanism of rewarding and incentivizing performance. The MoU system that was started with 4 CPSEs signing MoU in the year 1986-87 increases its coverage to 200 CPSEs in 2014-15.

Performance evaluation is done based on the comparison between the actual achievements and the annual targets agreed upon between the government and the CPSE. In order to distinguish 'excellent' from 'poor', moreover, performance during the year is measured on a 5-point scale. Table -1.15 provides a summary of the performance of MoU signing CPSEs as reflected in their MoU rating during the last five years.

Table: 1.15
Grading of the performance of MoU signing CPSEs

(Nos.)

Rating	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16 *
Excellent	46	55	47	73	67	76	75	76	73	57
V. Good	37	34	34	31	44	39	39	38	53	58
Good	13	15	25	20	24	33	37	36	41	28
Fair	06	08	17	20	24	25	36	29	26	22
Poor	00	00	01	01	02	02	02	08	7	26
Total	102	112	124	145	161	175	189	187	200	191

*Provisional

1.12 Government Disinvestment in CPSEs

Post-1990s, disinvestment of CPSEs has been construed to be an integral part of the reforms initiatives taken by the Government. While, the policy on disinvestment of CPSEs has evolved considerably through policy statements of the Finance Ministers in their successive Budget Speeches, disinvestment through listing of CPSEs on the Stock Exchanges has consistently been emphasized, ever since the Government embarked upon its disinvestment program for CPSEs.

An important objective of listing of CPSEs has been to promote the development of 'people-

ownership' by encouraging public participation in CPSEs. Other important objectives to be achieved through listing of CPSEs, inter-alia, includes promoting healthy corporate governance practices, infusing greater transparency, accountability, public scrutiny in the functioning of CPSEs, unblocking thereby, the true value of the enterprises for its stakeholders. While pursuing these objectives, it is to be ensured that at least 51 per cent shareholding and the management control of CPSEs is retained with the Government.

1.12.1 Redefining the Role of the Department

The Department of Disinvestment was set up

as a separate Department on 10th December, 1999 and was later renamed as Ministry of Disinvestment from 6th September, 2001. From 27th May, 2004, the Department of Disinvestment is one of the Departments under the Ministry of Finance.

In line with the announcement of the Hon'ble Finance Minister in his Budget Speech of 2016-17, the Department has been re-named as Department of Investment and Public Asset Management (DIPAM) from 14th April, 2016, with focus of the Government on management of its investment in Central Public Sector Enterprises (CPSEs) for accelerating economic development as well as augmenting Government resources for higher expenditure.

1.12.2 Current Policy on Disinvestment

1.12.2.1 Salient features of the Disinvestment Policy:

- (a) Public Sector Undertakings are the wealth of the nation and to ensure this wealth rests in the hands of the people, promote public ownership of CPSEs;
- (b) While pursuing disinvestment through minority stake sale in listed CPSEs, the Government will retain majority shareholding, i.e. at least 51 per cent of the shareholding and management control of the Public Sector Undertakings;
- (c) Strategic disinvestment by way of sale of substantial portion of Government shareholding in identified CPSEs upto 50 per cent or more, alongwith transfer of management control.

1.12.2.2 Objectives of Disinvestment Policy:

- (a) Promote people's ownership of Central Public Sector Enterprises (CPSEs) to share in their prosperity through disinvestment.
- (b) Enables efficient management of public investment in CPSEs for accelerating economic development and augmenting Government's resources for higher expenditure.
- (c) Listing of CPSEs on stock exchanges to facilitate development and deepening of capital market and spread of equity culture.

- (d) Raising budgetary resources for the Government.

1.12.2.3 Approach for Disinvestment

(a) Disinvestment through minority stake sale

The approved action plan for disinvestment in profit making government companies is as follows:

- Already listed profitable CPSEs (not meeting mandatory shareholding of 10 per cent which stands revised to 25 per cent) are to be made compliant through 'Offer for Sale' (OFS) by the Government or by the CPSEs through issue of fresh shares or a combination of both;
- Unlisted CPSEs with no accumulated losses and having earned net profit in three preceding consecutive years to be listed;
- Follow-on public offers would be considered, taking into consideration the needs for capital investment of CPSEs on a case by case basis, and the Government could simultaneously or independently offer a portion of its equity shareholding;
- All cases of disinvestment are to be decided on a case by case basis;
- The Department of Investment and Public Asset Management (DIPAM) is to identify CPSEs in consultation with respective administrative ministries and submit proposal to Government in cases requiring Offer for Sale of Government equity.

(b) Strategic Disinvestment

To be undertaken through a consultation process among different Ministries/Departments, including NITI Aayog.

- NITI Aayog to identify CPSEs for strategic disinvestment and advice on the mode of sale, per centage of shares to be sold of the CPSE and method for valuation of the CPSE.
- The Core Group of Secretaries on Disinvestment (CGD) to consider the recommendations of NITI Aayog to facilitate a decision by the Cabinet Committee on Economic Affairs (CCEA) on strategic disinvestment and to supervise/

monitor the process of implementation.

(c) Comprehensive management of GoI's investment in CPSEs

The Government recognises its investment in CPSEs as an important asset for accelerating economic growth and is committed to the efficient use of these resources to achieve optimum return.

- The Government will achieve these objectives by adopting a comprehensive approach for addressing critical inter-linked issues, such as, leveraging of assets to attract fresh investment, capital restructuring, financial restructuring, etc.
- Different options for optimal utilization of Government's investment in CPSEs will be assessed to adopt suitable investment management strategies to improve investors' confidence in the CPSEs and support their market capitalization which is essential for raising fresh investment from the capital market for their expansion and growth.
- Efficient management of investment in CPSEs are to be ensured through rationalization of decision making process for all related issues and seamless inter-departmental coordination in the matter.

1.13 Revival of Sick CPSEs

The CPSEs were brought under the purview of Sick Industrial Companies (Special Provision) Act, 1985 in 1991. The Government subsequently set up the Board for Reconstruction of Public Sector Enterprises (BRPSE) in December, 2004 to advise the Government, inter alia, on the measures to restructure/revive, both industrial and non-industrial CPSEs. The Government approved on 07.10.2015 the winding up of Board of Reconstruction of Public Enterprises (BRPSE) to streamline the multiple mechanisms for revival of sick CPSEs. Accordingly, the BRPSE set up in Department of Public Enterprises was wound up vide notification dated 9th November 2015. The concerned administrative Ministries / Department are now responsible to monitor sickness of CPSEs functioning under them and take timely redressal measures with the approval

of the competent authority.

Department of Public Enterprises has issued guidelines on 29.10.2015 for "Streamlining the mechanism for revival and restructuring of sick / incipient sick and weak Central Public Sector Enterprises. General principles and mechanism of restructuring" to be followed by the administrative Ministries / Departments in preparation of proposals for revival / restructuring or closure of CPSEs under their administrative control in a time bound manner.

1.14 Board Structure of CPSEs

CPSEs are categorized into four Schedules namely 'A', 'B', 'C' and 'D', based on various quantitative, qualitative and other factors. The pay scales of Chief Executives and of full time Functional Directors in CPSEs are determined as per the Schedule of the concerned CPSE. Proposals from various administrative Ministries/Departments for initial categorization / up-gradation of CPSEs in appropriate schedule, personal up-gradation, creation of posts in CPSEs, etc. are considered in Department of Public Enterprises (DPE) in consultation with the Public Enterprises Selection Board (PESB).

1.14.1 Professionalization of Boards

Department of Public Enterprises formulates policy guidelines on the Board structure of CPSEs. In pursuance of the public sector policy being followed since 1991 several measures have been taken by the Department of Public Enterprises to professionalize the Boards of public enterprises. The guidelines issued in 1992, provide that outside professionals should be inducted on the Boards of CPSEs in the form of part-time non-official Directors and that the number of such Directors should be at least 1/3rd of the actual strength of the Board. In the case of listed CPSEs headed by executive Chairman, the number of non-official Directors (Independent Directors) should be at least half the strength of the Board. The guidelines also provide that the number of Government Directors on the Boards should be not more than one-sixth of the actual strength of the

Board subject to a maximum of two. Apart from this, there should be some functional Directors on each Board whose number should not exceed 50% of the actual strength of the Board.

1.15 Wages/ Salaries and Employees Welfare

The Department of Public Enterprises (DPE) functions as the nodal Department for policy formulation inter-alia, in respect of pay revision of the executives holding posts at the Board level and below Board level and non-unionized supervisors, and also wage settlement of workmen in CPSEs. The Department also issues policy guidelines on perquisites, allowances and incentives for the executives and non-unionized supervisors. It renders advice to the Administrative Ministries/ Departments and the CPSEs in all matters relating to the pay structure and scales of pay of the executives and the wage policy of workmen. The CPSEs largely follow the Industrial Dearness Allowance (IDA) pattern of scales of pay. Though, in some cases the Central Dearness Allowance (CDA) pattern of scales of pay are still being followed. DPE also issues DA orders for every quarter in respect of IDA employees. The DA orders for CDA employees are issued on six monthly basis.

There were 320 CPSEs (excluding Banks, Insurance Companies), with approximately 12.34 lakhs workmen, clerical staff and executives as on 31.03.2016 under the administrative control of the Central Government. Of this, about 12.01 Lakhs of the executives and workmen are on IDA pattern scales of pay. The remaining employees are on CDA pattern of pay scales.

Government vide resolution dated 09.06.2016 has constituted third Pay Revision Committee, under the Chairmanship of Justice (Rtd) Satish Chandra for the pay revision of Board level & below Board level Executives and Non-Unionised Supervisors of CPSEs w.e.f. 01.01.2017.

1.16 Voluntary Retirement Scheme (VRS)

As a result of the restructuring in some

Central Public Sector Enterprises (CPSEs), Government announced the Voluntary Retirement Scheme (VRS) in October, 1988. A comprehensive package was later notified by the Department of Public Enterprises (Government of India) in May, 2000. In view of the difficulties faced by some CPSEs where the wage revision of 1992 or 1997 (as the case may be) could not be made effective, the VRS was further liberalized through subsequent notification of November, 2001. This notification, inter-alia, provides for 100% additional compensation for the employees where wage revision of 1992 could not be made effective. Similarly, 50% additional compensation was allowed for employees where wage revision of 1997 could not be made effective. The ex-gratia payment under VRS to employees following CDA pattern at 1986 scales of pay has been also enhanced by 50% w.e.f. 26.10.2004. These increases in VRS compensation are to be computed based on the existing pay of employees.

From the introduction of VRS Scheme in October, 1988 till March, 2016, approximately 6.22 lakh employees have been released under the scheme.

1.16.1 Counseling, Retraining and Redeployment (CRR)

(i) In the context of restructuring of Central Public Sector Enterprises (CPSEs), rationalization of manpower has become a necessity. The policy of the Government has been to implement reforms with a humane face and provide adequate safety net for the workers adversely affected due to right sizing. Considering the need to have safety net, Government had established the National Renewal Fund (NRF) in February, 1992 to cover the expenses of VRS and to provide retraining to the workers in the organized sector. The retraining activity was administered by Department of Industrial Policy & Promotion. After the abolition of NRF in February, 2000, the Scheme for Counselling, Retraining and Redeployment (CRR) of Rationalized Employees of CPSEs is being implemented by Department of Public Enterprises since 2001-02. CRR Scheme was modified in November, 2007 in order to widen its

scope and coverage. One dependent of VRS optee is also eligible in case the VRS optee himself/herself is not interested.

The scheme for Counselling, Retraining and Redeployment (CRR) inter-alia aims to:

- Reorient rationalized employees through short duration training programmes.
- Equip them for new vocations.
- Engage them in income generating self-employment.
- Help them rejoin the productive process.

(ii) During the year 2015-16, plan allocation of ₹3.20 crore (BE) and ₹ 2.78 crore (RE) was allocated with a target for coverage of 3000 VRS/VSS optees/dependents. 9 nodal agencies with 21 Employees Assistance Centres (EACs) were operational during the year 2015-16. Year wise number of persons trained under the scheme is shown in table 1.16 given below:-

Table 1.16

Statement showing year-wise number of VRS optees trained

Year	Number of VRS optees trained
2001-02	8,064
2002-03	12,066
2003-04	12,134
2004-05	28,003
2005-06	32,158
2006-07	34,398
2007-08	9,728
2008-09	9,772
2009-10	7,400
2010-11	9,265
2011-12	9,400
2012-13	7,506
2013-14	3,230
2014-15	2,525
2015-16	3150
Total	1,88,799

1.17 Corporate Social Responsibility by CPSEs

As per Section-135 of Companies Act, 2013,

all profit making corporates, including Central Public Sector Enterprises (CPSEs) exceeding threshold limits prescribed in the Act regarding net worth of ₹ 500 crore, or turnover of ₹ 1000 crore or net profit of ₹ 5 crore in pursuance of its CSR Policy are mandated to spend at least 2% of the average net profits (Profit Before Tax) of the company made during the three immediately preceding years for undertaking CSR activities as per items listed in Schedule-VII of the Act.

Every company qualifying threshold limits will constitute a Corporate Social Responsibility (CSR) Committee of the Board consisting of three or more Directors, out of which at least one Director shall be an independent Director. The CSR Committee shall formulate and recommend to the Board a CSR Policy which shall indicate the activities to be undertaken by the company as specified in Schedule-VII ; recommend the amount of expenditure on the activities selected to undertaken CSR; and monitor the CSR Policy of the company from item to time. The Board of every such CPSE will, after taking into account the recommendations made by CSR Committee, approve the CSR Policy for the company, disclose contents of such policy in its report and place it on the company's website. CSR Committee will also ensure that the company undertakes the activities included in CSR Policy of the company and undertaken by the CPSEs.

As per the provisions in Section 135 (5) of the Act, the company shall give preference to the local area and areas around it where it operates, for spending the amount earmarked for Corporate Social Responsibility activities.

In case the company fails to spend two per cent of the average net profit of the last three financial years or any part thereof, the company shall provide reasons for not spending the amount in its Board's Report made under Clause (o) of sub-section (3) of Section 134. The Board's Report of a company covered under CSR Rules pertaining to a financial year commencing on or after the first day of April, 2014 shall include an annual report on CSR containing particulars as specified in Annexure

to the CSR Rules. CPSEs with the approval of the Board may decide to carry forward the unspent CSR amount of a financial year to spend the same in next year in performing CSR activities.

1.17.1 The Companies (CSR Policy) Rules, 2014

The Companies (Corporate Social Responsibility Policy) Rules, 2014 were notified on 27th February, 2014, and came into force from 01.04.2014. CSR Rules, 2014 are mandatory in nature and are to be complied with by all companies, including CPSEs from 2014-15.

1.17.2 List of Activities specified in Schedule-VII of the Act

The list of activities which can be undertaken by a company under CSR have been specified in Schedule VII of the Act. The Schedule has since been amended three times. The updated list under Schedule VII is provided below:

- (i) eradicating hunger, poverty and malnutrition; promoting health care including preventive health care and sanitation including contribution to the 'Swachh Bharat Kosh' set-up by the Central Government for the promotion of sanitation and making available safe drinking water;
- (ii) promoting education, including special education and employment enhancing vocational skills especially among children, women, elderly, and the differently abled and livelihood enhancement projects;
- (iii) promoting gender equality and empowering women, setting up homes and hostels for women and orphans; setting up old age homes, day care centers and such other facilities for senior citizens and measures for reducing inequalities faced by socially and economically backward groups;
- (iv) ensuring environmental sustainability, ecological balance, protection of flora

and fauna, animal welfare, agro forestry, conservation of natural resources and maintaining quality of soil, air and water including contribution to the 'Clean Ganga Fund' set-up by the Central Government for rejuvenation of river Ganga;

- (v) protection of national heritage, art and culture including restoration of building and sites of historical importance and works of art; setting up public libraries; promotion and development of traditional arts and handicrafts;
- (vi) measures for the benefit of armed forces veterans, war widows and their dependents;
- (vii) training to promote rural sports, nationally recognized sports, Paralympic sports and Olympic sports;
- (viii) contribution to the Prime Minister's National Relief Fund or any other fund set up by the Central Government for socio-economic development and relief and welfare of the Scheduled Castes, the Scheduled Tribes, other backward classes, minorities and women;
- (ix) contributions or funds provided to technology incubators located within academic institutions which are approved by the Central Government;
- (x) rural development projects.
- (xi) slum area development.

1.17.3 CSR expenditure by CPSEs during 2015-16

During the year 2015-16, 106 CPSEs have spent ₹4028.04 crore on CSR activities out of the allocated amount of ₹3904.90 crore for the purpose. However, 2% of PBT for these CPSEs stands ₹3248.62 crore.

Details on CSR expenditure by these CPSEs are given in table 1.17 below :

Table-1.17

CSR expenditure by CPSEs during 2015-16

(₹ in crore)

Sl. No.	CPSEs	Avg. PBT of last 3 years	2% of Avg PBT of last 3 years	Carried forward Amt.	Amt. allocated for CSR	Total	Actual CSR spent	Unspent CSR amt.
1	AIRPORTS AUTHORITY OF INDIA	2232.86	44.65	45.21	44.66	89.87	29.73	60.14
2	ANDREW YULE & COMPANY LTD.	13.40	0.27	0.00	0.33	0.33	0.33	0.00
3	ANTRIX CORPORATION LTD.	291.91	5.84	7.25	5.84	13.09	1.70	11.39
4	ARTIFICIAL LIMBS MFG. CORPN. OF INDIA	28.88	0.58	0.00	0.58	0.58	0.00	0.58
5	BALMER LAWRIE & CO. LTD.	197.00	3.94	0.00	3.94	3.94	3.96	0.00
6	BALMER LAWRIE INVESTMENTS LTD	5.17	0.10	0.09	0.10	0.19	0.19	0.00
7	BHARAT COKING COAL LTD.	1650.76	33.01	0.00	33.01	33.01	50.67	0.00
8	BHARAT DYNAMICS LTD.	513.95	10.28	0.00	10.28	10.28	11.24	0.00
9	BHARAT ELECTRONICS LTD.	1261.47	25.23	0.00	25.69	25.69	7.89	17.80
10	BHARAT HEAVY ELECTRICALS LTD.	5501.63	110.03	0.00	110.10	110.10	66.20	43.90
11	BHARAT PETROLEUM CORPN. LTD.	5629.89	112.60	42.06	112.60	154.66	95.59	59.07
12	BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LTD.	66.95	1.34	0.00	1.35	1.35	1.35	0.00
13	BRIDGE & ROOF CO.(INDIA) LTD.	30.29	0.61	0.00	0.73	0.73	0.79	0.00
14	CEMENT CORPN. OF INDIA LTD.	21.46	0.43	0.00	0.43	0.43	0.04	0.39
15	CENTRAL COALFIELDS LTD.	2649.92	53.00	0.00	53.03	53.03	212.79	0.00
16	CENTRAL MINE PLANNING & DESIGN INSTITUTE LTD.	22.77	0.46	0.00	0.46	0.46	2.01	0.00
17	CENTRAL RAILSIDE WAREHOUSE CO. LTD.	15.99	0.32	0.00	0.32	0.32	0.32	0.00
18	CENTRAL WAREHOUSING CORPN.	243.13	4.86	0.44	4.86	5.30	5.27	0.03
19	CERTIFICATION ENGINEERS INTERNATIONAL LTD.	11.44	0.23	0.00	0.23	0.23	0.28	0.00
20	COAL INDIA LTD.	984.59	19.69	0.00	19.69	19.69	73.26	0.00
21	COCHIN SHIPYARD LTD.	311.36	6.23	0.00	6.23	6.23	6.27	0.00
22	CONTAINER CORPORATION OF INDIA LTD.	1263.59	25.27	0.00	25.27	25.27	30.96	0.00
23	COTTON CORPN. OF INDIA LTD.	38.38	0.77	0.00	0.77	0.77	0.77	0.00
24	DREDGING CORPN. OF INDIA LTD.	41.93	0.84	0.00	0.84	0.84	1.21	0.00
25	E. C. G. C. LTD.	381.50	7.63	9.27	7.60	16.87	14.43	2.44

26	EASTERN COALFIELDS LTD.	1658.45	33.17	0.00	33.17	33.17	62.61	0.00
27	EdCIL(India) Ltd.	9.78	0.19	0.06	0.21	0.27	0.27	0.00
28	ELECTRONICS CORPN. OF INDIA LTD.	54.79	1.10	0.00	1.10	1.10	1.06	0.04
29	ENGINEERING PROJECTS (INDIA) LTD.	7.37	0.15	0.01	0.15	0.16	0.26	0.00
30	ENGINEERS INDIA LTD.	681.51	13.63	0.00	13.63	13.63	14.10	0.00
31	FERRO SCRAP NIGAM LTD.	13.40	0.27	0.25	0.27	0.52	0.22	0.30
32	GAIL (INDIA) LTD.	5117.05	102.34	0.00	102.34	102.34	104.83	0.00
33	GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.	152.13	3.04	0.00	3.04	3.04	3.24	0.00
34	GOA SHIPYARD LTD.	5.50	0.11	0.00	0.11	0.11	3.28	0.00
35	HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	3.91	0.08	0.00	0.10	0.10	0.11	0.00
36	HINDUSTAN AERONAUTICS LTD.	3415.73	68.31	0.00	68.31	68.31	90.70	0.00
37	HINDUSTAN COPPER LTD.	304.90	6.10	3.88	6.10	9.98	7.68	2.30
38	HINDUSTAN PETROLEUM CORPN. LTD.	2696.07	53.92	0.00	71.67	71.67	71.76	0.00
39	HLL LIFECARE LTD.	29.11	0.58	0.00	0.58	0.58	1.32	0.00
40	HOUSING & URBAN DEV. CORPN. LTD.	11.12	0.22	0.09	0.21	0.30	0.08	0.22
41	HSCC (INDIA) LTD.	37.03	0.74	1.47	0.74	2.21	1.14	1.07
42	INDIA INFRASTRUCTURE FINANCE CO. LTD.	1222.28	24.45	0.00	24.45	24.45	24.45	0.00
43	INDIA TOURISM DEV. CORPN. LTD.	18.78	0.38	0.00	0.38	0.38	0.30	0.08
44	INDIA TRADE PROMOTION ORGANISATION	180.04	3.60	3.00	3.60	6.60	4.07	2.53
45	INDIAN OIL CORPORATION LTD.	7075.00	141.50	19.61	141.50	161.11	156.68	4.43
46	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	145.34	2.91	1.01	2.91	3.92	3.98	0.00
47	INDIAN RAILWAY FINANCE CORPORATION LTD.	1646.79	32.94	0.68	32.97	33.65	29.63	4.02
48	INDIAN RARE EARTHS LTD.	104.12	2.08	0.00	2.08	2.08	2.11	0.00
49	INDIAN RENEWABLE ENERGY DEVT. AGENCY LTD.	322.66	6.45	0.00	6.45	6.45	6.25	0.20
50	IRCON INTERNATIONAL LTD.	301.48	6.03	0.00	6.03	6.03	6.15	0.00
51	KAMARAJAR PORT LTD.	347.58	6.95	0.00	6.95	6.95	7.30	0.00
52	KANTI BIJLEE UTPADAN NIGAM LTD.	10.12	0.20	0.00	0.20	0.20	0.08	0.12
53	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	14.86	0.30	0.00	0.30	0.30	0.31	0.00

54	KARNATAKA TRADE PROMOTION ORGANISATION	7.61	0.15	0.00	0.15	0.15	0.03	0.12
55	M S T C LTD.	50.56	1.01	0.00	1.50	1.50	1.47	0.03
56	MAHANADI COALFIELDLS LTD.	5648.60	112.97	52.67	112.97	165.64	184.64	0.00
57	MAZAGON DOCK SHIPBUILDERS LTD.	657.76	13.16	0.00	13.16	13.16	11.69	1.47
58	MECON LTD.	83.88	1.68	3.24	1.68	4.92	2.21	2.71
59	MINERAL EXPLORATION CORPN. LTD.	50.16	1.00	0.00	1.07	1.07	1.09	0.00
60	MISHRA DHATU NIGAM LTD.	125.91	2.52	0.00	2.52	2.52	2.76	0.00
61	MOIL LTD.	686.19	13.72	0.00	13.75	13.75	14.47	0.00
62	MUMBAI RAILWAY VIKAS CORPORATION LTD.	23.94	0.48	0.78	1.09	1.87	0.66	1.21
63	NATIONAL ALUMINIUM COMPANY LTD.	1312.07	26.24	0.00	26.24	26.24	27.17	0.00
64	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	22.44	0.45	0.00	0.45	0.45	0.74	0.00
65	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	39.82	0.80	0.00	0.67	0.67	0.67	0.00
66	NATIONAL SCHEDULED CASTES FINANCE & DEVP. CORPN.	30.46	0.61	0.00	0.61	0.61	3.46	0.00
67	NATIONAL SEEDS CORPN. LTD.	59.99	1.20	0.05	1.20	1.25	0.55	0.70
68	NATIONAL SMALL INDUSTRIES CORPN. LTD.	112.45	2.25	0.00	2.25	2.25	2.49	0.00
69	NBCC (INDIA) LTD.	243.97	4.88	0.00	4.88	4.88	8.71	0.00
70	NHDC LTD.	1014.77	20.30	23.34	20.30	43.64	26.38	17.26
71	NHPC LTD.	2164.09	43.28	0.00	43.28	43.28	72.68	0.00
72	NLC INDIA LTD.	2213.37	44.27	0.00	68.54	68.54	81.93	0.00
73	NMDC Ltd.	9664.05	193.28	0.00	193.28	193.28	210.09	0.00
74	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	334.56	6.69	0.00	11.99	11.99	10.31	1.68
75	NORTHERN COALFIELDS LTD.	3829.92	76.60	0.00	76.60	76.60	153.97	0.00
76	NTPC LTD.	13567.43	271.35	78.30	271.35	349.65	491.80	0.00
77	NTPC VIDYUT VYAPAR NIGAM LTD.	73.60	1.47	0.62	1.47	2.09	1.47	0.62
78	NUCLEAR POWER CORPN. OF INDIA LTD.	2769.01	55.38	0.00	55.38	55.38	23.24	32.14
79	NUMALIGARH REFINERY LTD.	662.22	13.24	0.00	13.24	13.24	11.58	1.66
80	OIL & NATURAL GAS CORPORATION LTD.	29684.80	593.70	0.00	593.70	593.70	421.00	172.70

81	OIL INDIA LTD.	4415.73	88.31	0.00	88.31	88.31	92.21	0.00
82	ORISSA MINERAL DEVELOPMENT COMPANY LTD.	22.94	0.46	0.27	0.46	0.73	0.73	0.00
83	PAWAN HANS LTD.	42.22	0.84	2.26	0.00	2.26	0.77	1.49
84	PFC CONSULTING LTD.	32.52	0.65	0.00	0.66	0.66	0.45	0.21
85	PFC GREEN ENERGY LTD.	15.86	0.32	0.00	0.32	0.32	0.32	0.00
86	POWER FINANCE CORPORATION LTD.	7289.31	145.79	114.30	145.79	260.09	195.52	64.57
87	POWER GRID CORPORATION OF INDIA LTD.	6089.70	121.79	0.00	121.79	121.79	115.78	6.01
88	POWER SYSTEM OPERATION CORPORATION LTD.	95.02	1.90	0.00	1.90	1.90	1.90	0.00
89	RAIL VIKAS NIGAM LTD.	199.70	3.99	0.00	3.99	3.99	5.94	0.00
90	RAILTEL CORPORATION INDIA LTD.	158.88	3.18	0.00	3.18	3.18	3.21	0.00
91	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	26.71	0.53	0.00	0.53	0.53	0.16	0.37
92	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	468.88	9.38	0.00	9.38	9.38	9.66	0.00
93	RASHTRIYA ISPAT NIGAM LTD.	326.56	6.53	3.63	11.37	15.00	8.73	6.27
94	REC POWER DISTRIBUTION CO. LTD.	41.72	0.83	0.83	0.84	1.67	1.69	0.00
95	REC TRANSMISSION PROJECTS CO. LTD.	36.10	0.72	0.00	0.72	0.72	0.72	0.00
96	rites LTD.	402.31	8.05	0.00	8.10	8.10	8.28	0.00
97	RURAL ELECTRIFICATION CORPN. LTD.	6372.65	127.45	0.00	128.00	128.00	128.20	0.00
98	SECURITY PRINTING & MINTING CORPN. INDIA LTD.	214.56	4.29	0.00	4.29	4.29	4.82	0.00
99	SJVN LTD.	1523.26	30.47	0.00	30.47	30.47	28.88	1.59
100	SOUTH EASTERN COALFIELDS LTD.	6384.20	127.68	143.16	127.68	270.84	270.84	0.00
101	STEEL AUTHORITY OF INDIA LTD.	2859.90	57.20	43.00	57.20	100.20	76.20	24.00
102	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	24.21	0.48	0.43	0.00	0.43	0.43	0.00
103	THDC INDIA LTD.	667.18	13.35	0.00	13.35	13.35	13.35	0.00
104	URANIUM CORPORATION OF INDIA LTD.	57.28	1.15	0.00	2.85	2.85	2.96	0.00
105	WAPCOS LTD.	99.54	1.99	0.00	1.99	1.99	2.55	0.00
106	WESTERN COALFIELDS LTD.	433.17	8.66	0.00	8.66	8.66	65.26	0.00
TOTAL		162430.86	3248.62	601.26	3303.64	3904.90	4028.04	547.86

1.18 Market Capitalization of CPSEs Stocks

There were 46 CPSEs listed and traded on the stock exchanges of India as on 31.03.2016. The total market capitalization (M-Cap) of 46 CPSEs based on stock prices on Mumbai Stock Exchange as on 31.03.2015 was ₹1327393.55 crore. M-Cap of 46 CPSEs as on 31.03.2016 stood at ₹ 1106766.43 crore. There was, therefore, an decrease in M-Cap of CPSEs by 16.62% (₹2,20,627 crore) as on 31.03.2016 over M-Cap as on 31.03.2015. During this period, the M-Cap of Mumbai Stock Exchange decreased by 6.64% and Sensex decreased by 9.36%. M-Cap of listed and traded CPSEs as a per centage of BSE M_Cap decreased from 13.08% as on 31.03.2015 to 11.68% as on 31.3.2016. A table showing closing price of above 46 CPSEs in BSE as on 31.3.2015 and 31.3.2016 (as well as M_Cap on these dates) is given below (Table 1.18).

Table 1.18
Growth in Market Capitalization of listed and traded CPSEs

S L No.	Company Name	BSE Closing Market Price of stocks as 31.03.2016 (₹)	BSE Closing Market Price of stocks as 31.03.2015 (₹)	Market Capitalization as on 31.03.2016 (₹in crore)	Market Capitalization as on 31.03.2015 (₹in crore)	% Change in Market Cap. (2016 over 2015)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	Andrew Yule & Co. Ltd.	21.35	21.4	712.32	713.99	-0.23%
2	Balmer Lawrie & Co. Ltd.	573.25	565.15	1633.8	1610.71	1.43%
3	Balmer Lawrie Investment	281.8	262.9	625.52	583.57	7.19%
4	BEML Ltd.	1036.45	1092.35	4316.24	4549.04	-5.12%
5	Bharat Electronics Ltd.	1219.5	3347.25	29268	26778	9.30%
6	Bharat Heavy Electricals Ltd.	113.75	234.95	27841.45	57506.36	-51.59%
7	Bharat Immunologicals & Biologicals Corpn. Ltd.	18.45	36.4	79.67	157.18	-49.31%
8	Bharat Petroleum Corpn. Ltd.	901.6	809.95	65193.28	58566.21	11.32%
9	Chennai Petroleum Corpn. Ltd.	199.2	68.55	2966.32	1020.79	190.59%
10	Coal India Ltd.	292	362.4	184437.84	228905.05	-19.43%
11	Container Corpn. Of India Ltd.	1241.15	1581.25	24199.22	30830.29	-21.51%
12	Dredging Corpn. Of India Ltd.	379.7	373.5	1063.16	1045.8	1.66%
13	Engineers India Ltd.	170.25	194.25	5736.35	6544.99	-12.36%
14	Fertilizers & Chemicals Travancore Ltd	21.1	28.1	731.69	974.43	-24.91%
15	GAIL (India) Ltd.	356.35	388.85	45202.19	49324.74	-8.36%
16	Hindustan Copper Ltd.	50.75	63.1	4695.48	5838.13	-19.57%
17	Hindustan Fluorocarbons Ltd.	5.68	6.7	11.13	13.13	-15.23%
18	Hindustan Organic Chemicals Ltd.	16.62	14.1	111.64	94.71	17.88%
19	Hindustan Petroleum Corpn. Ltd.	785.55	650.1	26600.86	22014.16	20.84%
20	HMT Ltd.	44.8	42.15	3395.17	3194.34	6.29%
21	India Tourism Devp. Corpn. Ltd.	226.2	113.8	1940.1	976.06	98.77%
22	Indian Oil Corpn. Ltd.	393.45	368.3	95527.79	89421.49	6.83%
23	ITI Ltd.	24	20.45	691.2	588.96	17.36%
24	Madras Fertilizers Ltd*	12.05	16.15	194.13	260.18	-25.39%
25	Mahanagar Telephone Nigam Ltd.	17.7	18.2	1115.1	1146.6	-2.75%

26	Mangalore Refinery & Petrochemicals Ltd.	67.05	67.15	11751.17	11768.7	-0.15%
27	MMTC Ltd.	37.4	48.7	3740	4870	-23.20%
28	MOIL Ltd	217.4	276.2	3652.32	4640.16	-21.29%
29	National Aluminium Co. Ltd.	39.65	46.65	10218.75	12022.82	-15.01%
30	National Building Construction Corporation Ltd (NBBC Ltd)	940.8	957.55	11289.6	11490.6	-1.75%
31	National Fertilizers Ltd.	28.3	28	1388.34	1373.62	1.07%
32	Neyveli Lignite Corpn. Ltd. (NLC India Ltd)	70.9	70.3	11894.96	11794.3	0.85%
33	NHPC	24.1	19.9	29644.79	24478.48	21.11%
34	NMDC Ltd.	97.95	130.05	38834.39	51561.13	-24.68%
35	NTPC Ltd.	128.8	147.35	106201.58	121496.92	-12.59%
36	Oil & Natural Gas Corpn. Ltd.	214.75	306.8	183729.15	262482.44	-30.00%
37	Oil India ltd.	313.45	453.65	18842.61	27270.53	-30.90%
38	Power Finance Corpn. Ltd.	171.85	272.75	22684.9	36004.11	-36.99%
39	Power Grid Corpn. Of India Ltd.	139.1	145.2	72771.41	75962.68	-4.20%
40	Rashtriya Chemicals & Fertilizers Ltd.	38.8	56.3	2140.55	3106	-31.08%
41	Rural Electrification Corpn. Ltd.	166.1	332.65	16401.69	32847.82	-50.07%
42	Scooters India Ltd.	25.75	25.55	110.71	109.85	0.78%
43	Shipping Corpn. Of India Ltd.	65.05	46.15	3030.02	2149.66	40.95%
44	State Trading Corpn. Of India Ltd.	89.85	146.5	539.1	879	-38.67%
45	Steel Authority Of India Ltd.	43	68.35	17759.31	28229.04	-37.09%
46	Sutlej Jal Vidhyut Nigam Ltd	28.65	24.65	11851.43	10196.78	16.23%
	Total Market Capitalization of CPSEs			1106766.43	1327393.55	-16.62%
	Total Market Capitalization of BSE			9475328.34	10149290	-6.64%
	BSE Sensex			25341.86	27957.49	-9.36%
	Market Capitalisation of CPSEs as % of BSE Market Cap.			11.68%	13.08%	
* Data given by NSE Note- Hindustan Photo Film Manufacturing Company Limited, Hindustan Cables Limited, KIOCL and Bisra Stone Lime Company Limited were not traded.						

1.19 Sector –wise Ratios: The ratios are covered in Box No.5 for sector wise groups of CPSEs for the last four years. It has been observed that Return on net worth is highest in the Mining Sector (15.99%) followed by Manufacturing (11.28%), Electricity (10.68%), Services (5.67%) whereas Agriculture sector given negative (-12.58%) return on net worth. It is pertinent to mention here that overall return on net profit of all CPSEs taken together is 11.54% during the year 2015-16 and only Mining sector's return on net worth is higher than the average return of all CPSEs during the year 2015-16.

In case of EBDITA (Earnings before Depreciation,

Interest. Tax & Amortization) to Gross Block ratio is also highest in the Mining Sector (21.32%) followed by Services (17.49%), Electricity (10.68%), Manufacturing (10.49%), Agriculture (9.83%) and Electricity (9.54%).

In case of EBDITA (Earnings before Depreciation, Interest. Tax & Amortization) to Turnover ratio is also highest in the Mining Sector (49.32%) followed by Electricity (45.47%), Services (14.99%), Agriculture (9.59%) and manufacturing (5.48%). A pictorial presentation of ratios given in Box-5 of all the sectors is given in Fig. 1.8 to 1.12.

BOX – 5
Sector Wise Ratios of CPSEs

Sector-wise Ratio (in %age)	2015-16	2014-15	2013-14	2012-13
AGRICULTURE				
PAT / Networth	-12.58	-22.89	-28.00	-31.28
EBDITA / Gross Block	9.83	0.98	6.80	9.62
EBDITA / Turnover	9.59	0.93	6.84	7.06
ELECTRICITY				
PAT / Networth	10.68	10.99	10.70	12.48
EBDITA / Gross Block	9.54	9.78	10.86	11.85
EBDITA / Turnover	45.47	42.56	44.07	46.06
MANUFACTURING				
PAT / Networth	11.28	7.47	10.92	14.41
EBDITA / Gross Block	10.49	10.59	13.54	14.74
EBDITA / Turnover	5.48	4.30	4.76	4.91
MINING				
PAT / Networth	15.99	17.92	22.11	22.48
EBDITA / Gross Block	21.32	22.83	26.10	29.51
EBDITA / Turnover	49.32	52.00	55.60	53.96
SERVICES				
PAT / Networth	5.67	1.80	7.26	-2.23
EBDITA / Gross Block	17.49	14.97	16.28	9.58
EBDITA / Turnover	14.99	13.07	14.27	8.96

Fig. 1.8

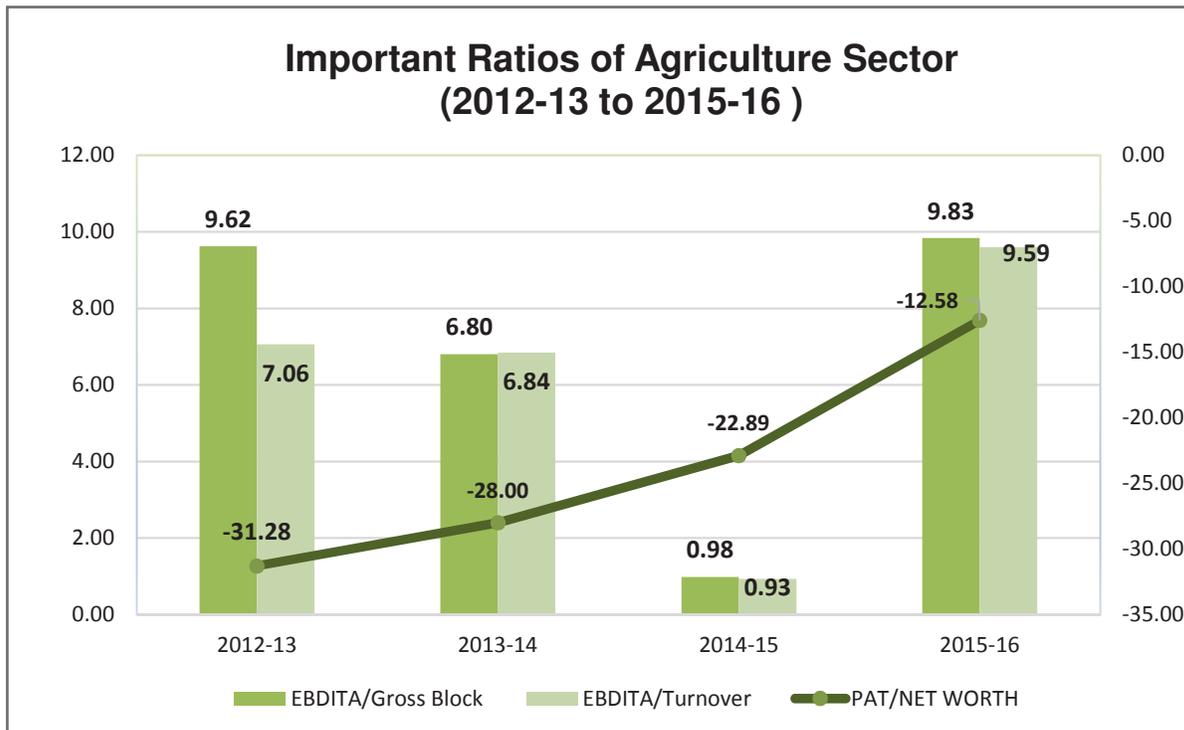


Fig. 1.9

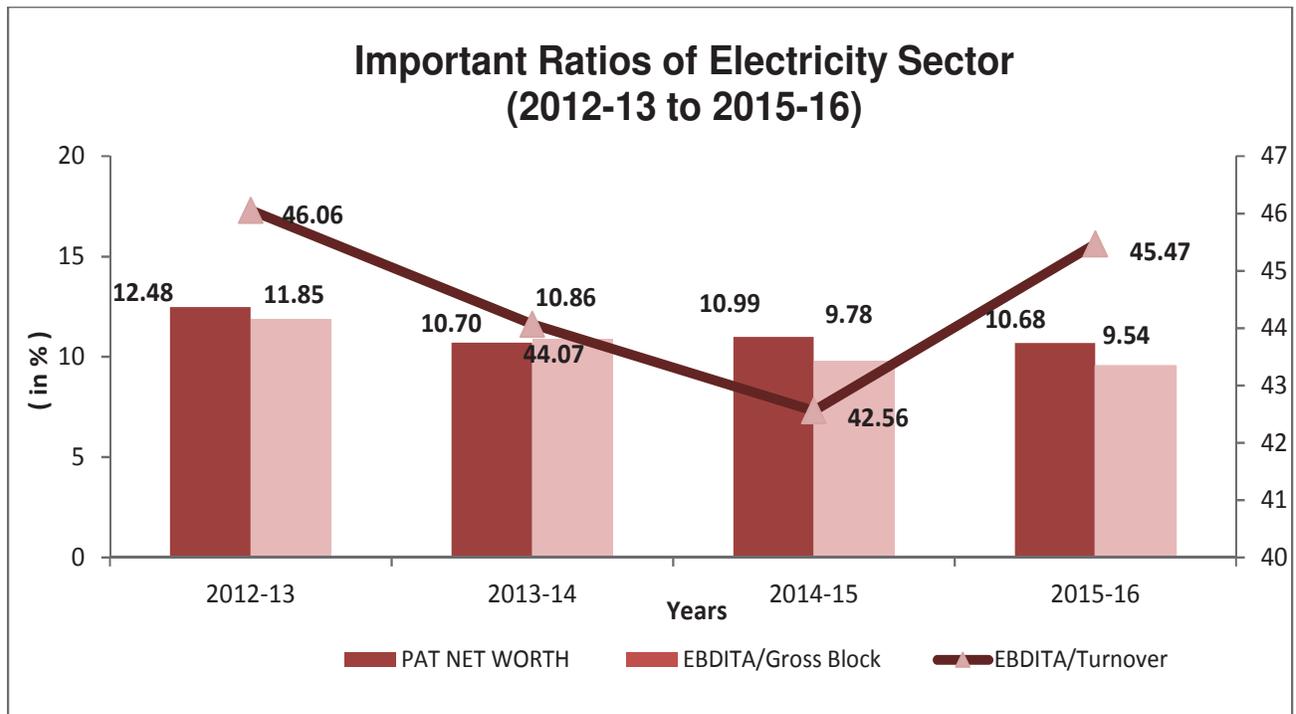


Fig. 1.10

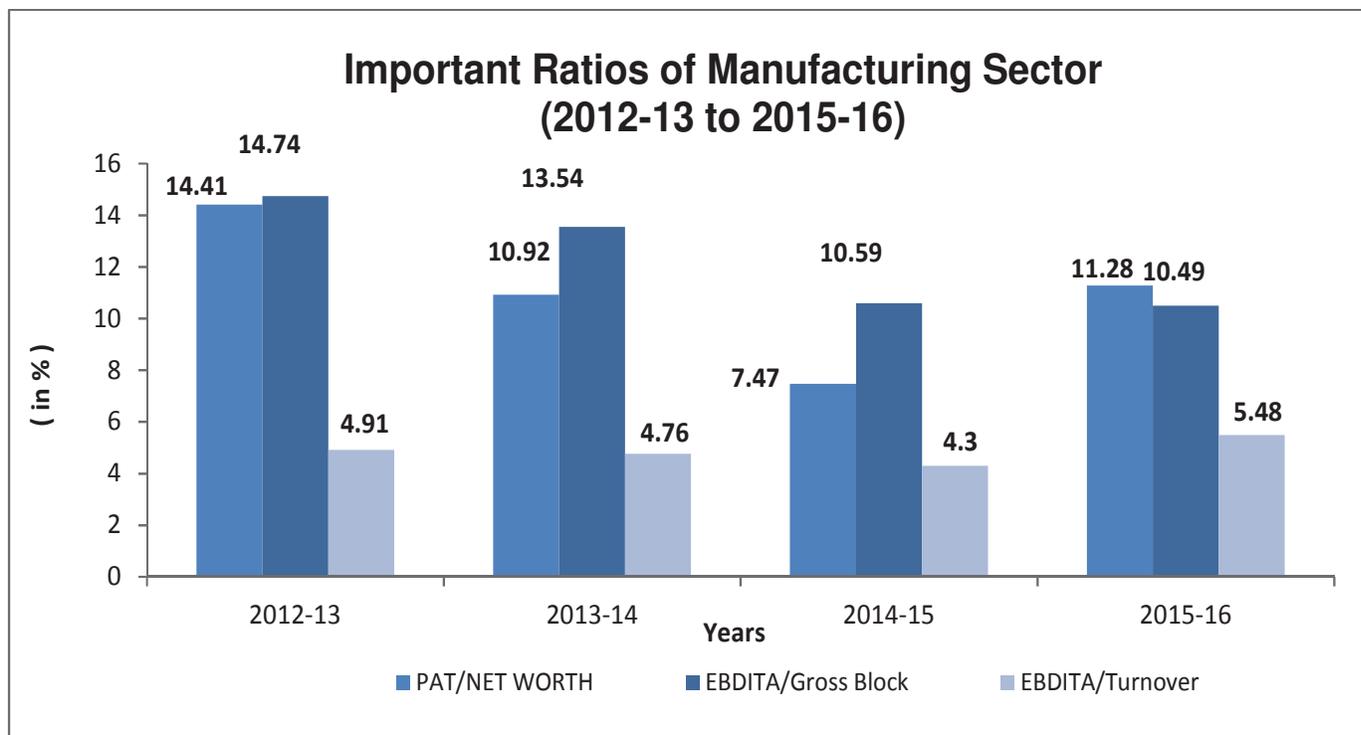


Fig. 1.11

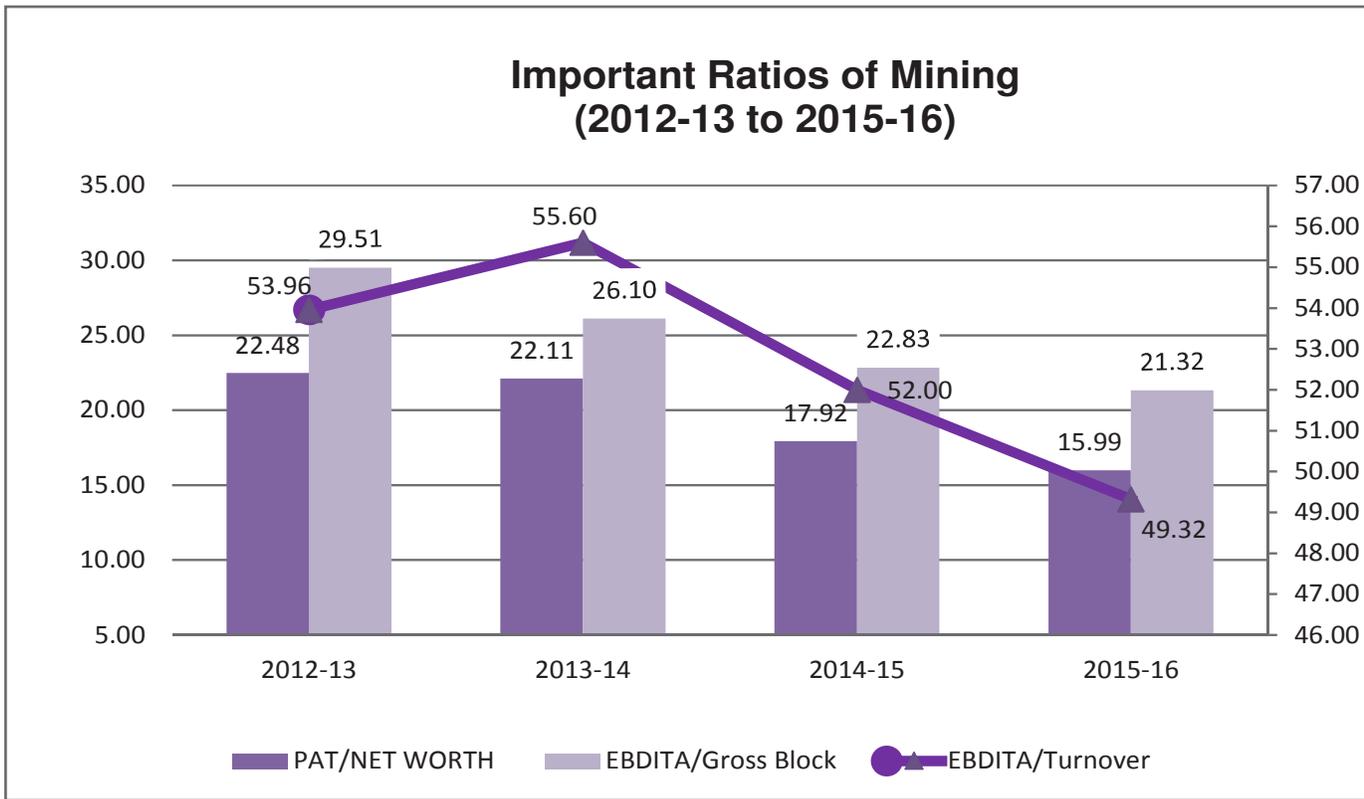
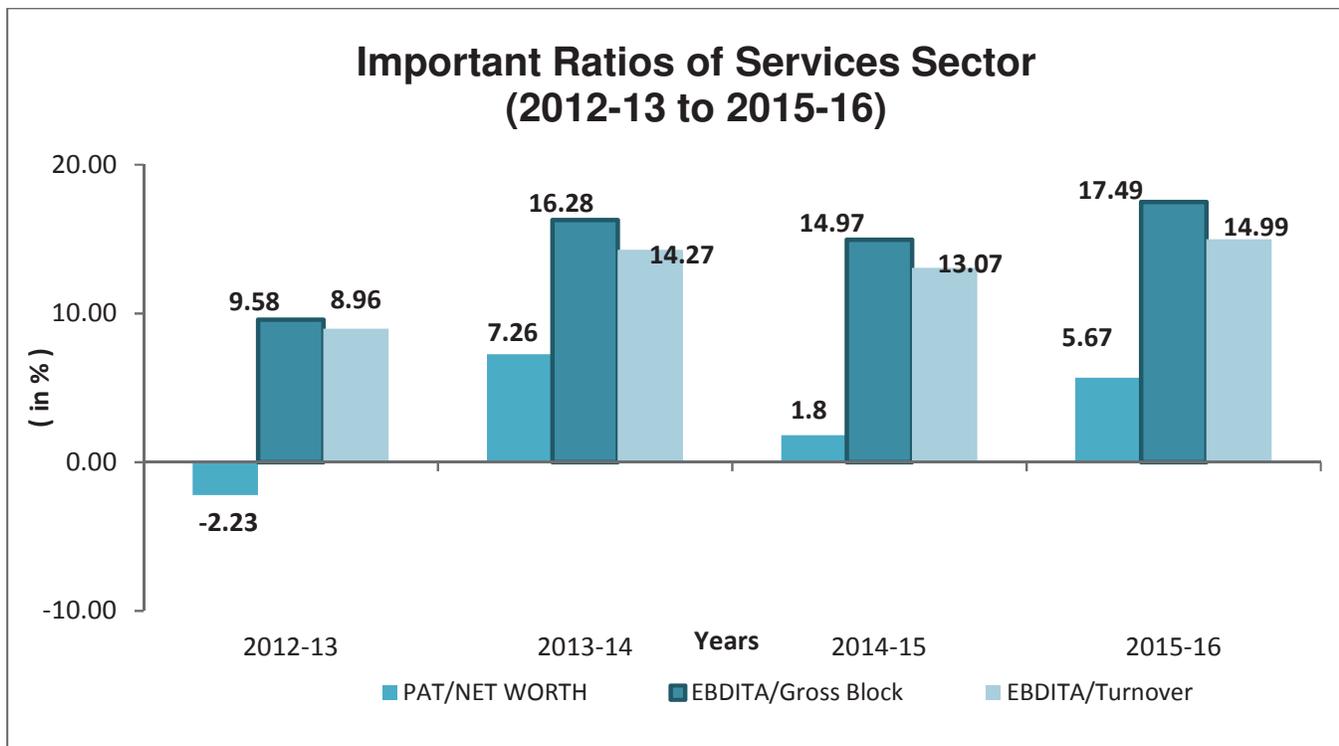


Fig. 1.12



1.20 Implementation of Public Procurement Policy for Micro & Small Enterprises (MSEs)

The Government of India has notified Public Procurement Policy for Micro & Small Enterprises (MSEs) Order, 2012 which is applicable for every Central Ministry / Department / PSU from 1st April, 2012.

The Policy mandates that every Central Ministry / Department / Public Sector Undertaking shall set an annual goal of procurement from Micro and Small Enterprises from the financial year 2012-13 and onwards, with the objective of achieving an overall procurement of minimum of 20 percent of

total annual purchases of products produced and services rendered by Micro and Small Enterprises in a period of three years. The minimum 20% annual procurement from MSEs has become mandatory from 1st April 2015. Policy has also earmarked a sub target of 4% out of the 20%, from MSEs owned by SC/ ST Enterprises.

The Department of Public Enterprises has started collecting information regarding procurement from CPSEs. The data/information received from CPSEs during the last two years viz. 2014-15 and 2015-16 is summarised below in Table 1.19

Table 1.19

Detail of procurement by CPSEs from Micro and Small Enterprises

(₹ in crore)

Years	No. of CPSEs	Total Procurement	Procurement from Micro & Small Enterprises	Procurement from Micro & Small Enterprises owned by SC/ST Entrepreneur
2015-16	129	161994.47	12785.12	63.34
2014-15	113	143665.03	9601.01	90.12

CPSE-wise detail of procurement from Micro and Small Enterprises for the year 2015-16 is given at statement-26.

Chapter 2

Investment in Central Public Sector Enterprises

2.1 The aggregate real investment in Central Public Sector Enterprises (CPSEs) measured in terms of 'gross block' increased from ₹19,06,926 crore in 2014-15 to ₹20,26,315 crore in 2015-16,

showing an increase of ₹1,19,389 crore and a growth of 6.26 per cent over the previous year. Growth in investment since 2002-03 is given in Table 2.1.

Table 2.1
Growth in Real Investment / Gross Block

(₹ in crore)

Year	Accumulated Gross Block in CPSEs @	Gross Block increased during the year (₹ in crore)	Growth over the previous year (in %)
(1)	(2)	(3)	(4)
2002-03	525301	34903	7.12
2003-04	596727	71426	13.60
2004-05	649245	52518	8.80
2005-06	715108	65863	10.14
2006-07	782668	67560	9.45
2007-08	862240	79572	10.17
2008-09	978167	115927	13.44
2009-10	1129983	151816	15.52
2010-11	1237051	107068	9.48
2011-12	1408046	170995	13.82
2012-13	1555575	147529	10.48
2013-14	1756530	200956	12.92
2014-15	1906926	150395	8.56
2015-16	2026315	119389	6.26

Note: @including capital work in progress and Intangible Assets under development.

2.2 Growth in Financial Investment

The aggregate financial investment in CPSEs (comprising paid-up share capital, share application money pending allotment, money received against share warrants and long term loans) grew from ₹29 crore in 5 enterprises in 1951 to ₹11,71,844 crore in 320 enterprises as on 31.03.2016 (Table 2.2). The financial investment increased by ₹76,290 crore

and displayed growth of 6.96 per cent during 2015-16 as compared to 2014-15. Growth in financial investment since 1st Five Year Plan is given in Table 2.2.

Table 2.2
Growth in Financial Investment#

Particulars	Total investment (₹ in crore)	Enterprises (Nos.)
(1)	(2)	(3)
At the commencement of the 1st Five Year Plan (1.4.1951)	29	5
At the commencement of the 2nd Five Year Plan (1.4.1956)	81	21
At the commencement of the 3rd Five Year Plan (1.4.1961)	948	47
At the end of 3rd Five Year Plan (31.3.1966)	2410	73
At the commencement of the 4th Five Year Plan (1.4.1969)	3897	84
At the commencement of the 5th Five Year Plan (1.4.1974)	6237	122
At the end of 5th Five Year Plan (31.3.1979)	15534	169
At the commencement of the 6th Five Year Plan (1.4.1980)	18150	179
At the commencement of the 7th Five Year Plan (1.4.1985)	42673	215
At the end of 7th Five Year Plan (31.3.1990)	99329	244
At the commencement of the 8th Five Year Plan (1.4.1992)	135445	246
At the end of 8th Five Year Plan (31.3.1997)	213610	242
At the end of 9th Five Year Plan (31.3.2002)	324614	240
At the end of 10th Five Year Plan (31.3.2007)	420771	247
At the end of 11th Five Year Plan (31.3.2012)	729298	260
At the end of first year of 12th Five Year Plan (31.3.2013)	845334	277
At the end of second year of 12th Five Year Plan (31.3.2014)	992095	290
At the end of third year of 12th Five Year Plan (31.3.2015)	1095554	298
At the end of fourth year of 12th Five Year Plan (31.3.2016)	1171844	320

#**Financial Investment** - (i.e. paid up capital + pending Share application money + money received against share warrants + long term loan).

2.3 Changing Structure of Financial Investment

While the total investment has increased significantly in CPSEs over the years, the structure of financial investment in CPSEs has also undergone change. (Table 2.3). While the share of 'paid-up capital' in total (financial) investment was 32.57

per cent during 2002-03, it declined to 18.68 per cent in 2015-16. The share of 'long-term loans', on the other hand, went up from 66.56 per cent in 2002-03 to 80.51 per cent in 2015-16 (Table 2.3).

Table 2.3
Components of Financial Investment

(₹ in crore)

(in %)

Year ending	Paid-up Capital	Pending Share application money	Money received against share warrant	Long term loans	Investment (2+3+4+5)
(1)	(2)	(3)	(4)	(5)	
As on 31.3.2003	109306 (32.57)	2933 (0.87)	- -	223408 (66.56)	335647 (100.00)
As on 31.3.2004	111874 (31.96)	7087 (2.02)	- -	231033 (66.01)	349994 (100.00)
As on 31.3.2005	117551 (32.84)	6494 (1.81)	- -	233894 (65.34)	357939 (100.00)
As on 31.3.2006	120844 (29.93)	6204 (1.54)	- -	276658 (68.53)	403706 (100.00)
As on 31.3.2007	125323 (29.80)	6306 (1.50)	- -	288847 (68.70)	420476 (100.00)
As on 31.3.2008	131232 (34.71)	3090 (6.78)	- -	321232 (70.51)	455554 (100.00)
As on 31.3.2009	138734 (27.02)	3222 (0.62)	- -	371576 (72.36)	513532 (100.00)
As on 31.3.2010	148367 (25.55)	1748 (0.30)	- -	430669 (74.15)	580784 (100.00)
<u>As per Revised Schedule VI:</u>	155534 (25.75)	1901 (0.31)	3.00 (0.01)	446430 (73.93)	603868 (100.00)
As on 31.3.2011					
As on 31.3.2012	161349 (22.12)	2511 (0.34)	3.00 (0.01)	565435 (77.53)	729298 (100.00)
As on 31.3.2013	179396 (21.22)	2493 (0.30)	0.00	663445 (78.48)	845334 (100.00)
As on 31.3.2014	194997 (19.66)	2725 (0.38)	0.00	793373 (79.96)	992095 (100.00)
As on 31.3.2015	204946 (18.70)	8074 (0.74)	0.00	882534 (80.56)	1095554 (100.00)
As on 31.3.2016	218878 (18.68)	9456 (0.81)	0.00	943510 (80.51)	1171844 (100.00)

2.4 Sources of Financial Investment

The Central Government continues to have majority equity holding of 69.15 per cent in CPSEs as on 31.3.2016. The investment both in terms of equity and long term loans has been forthcoming from other parties as well, such as the financial institutions, banks, private parties (both Indian and foreign), State Governments and Holding

Companies. A perusal of 'sources of investment', which is given below (Table 2.4) over the years, shows a significant change in the investment pattern of CPSEs during 2006-07 to 2015-16 (Table-2.4), whereas the share of the Central Government in total (financial) investment (both equity and long term loans) stood at 33.33 per cent in 2006-07, it declined to 15.81 per cent in 2015-16. On the other

hand, the share of financial institutions/banks and others that was 48.31 per cent in 2006-07 has increased to 63.19 per cent in 2015-16. In a way this shows the greater confidence of FIs and banks in the CPSEs. The share of 'foreign parties' in total

financial investment has shown increase from 8.77 per cent in 2006-07 to 15.59 per cent in 2015-16. The share of 'State Governments' in total financial investment has also shown a marginal decline from 0.84 per cent in 2006-07 to 0.37 per cent in 2015-16.

Table 2.4
Sources of Financial Investment

(₹ in crore)
(in %)

Items	Central Govt.	State Govt.	Holding Company	Foreign Parties	FI/Banks & Others	Share Appl. Money (pending allotment)	Total Investment
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
As on 31.3.2007							
Equity (E)	93874	3438	11449	1733	14829	-	
Loan (L)	46381	117	19067	35163	188414	-	
E+L	140255	3555	30516	36896	203243	6306	420771
% of Total(E+L)	33.33	0.84	7.25	8.77	48.31	1.5	100.00
As on 31.3.2008							
Equity (E)	110470	3544	11213	1627	4378	-	
Loan (L)	51535	230	16409	32935	220123	-	
E+L	162005	3774	27622	34562	224501	3090	455554
% of Total (E+L)	35.56	0.83	6.06	7.59	49.28	0.68	100.00
As on 31.3.2009							
Equity (E)	117319	3441	11701	1332	4941		
Loan (L)	40563	92	20782	43710	266429		
(E+L)	157882	3533	32483	45042	271370	3222	513532
% of total (E+L)	30.74	0.69	6.33	8.77	52.84	0.63	100.00
As on 31.3.2010							
Equity (E)	122201	3657	13487	1416	7606	-	
Loan (L)	34803	92	21588	40515	333671	-	
(E+L)	157004	3749	35075	41931	341277	1748	580784
% of total (E+L)	27.03	0.65	6.04	7.22	58.76	0.3	100.00
As on 31.3.2011							
Equity (E)	126668	3822	14847	2152	8048	1901	
Loan (L)	34257	82	21268	60585	330345	-	
(E+L)	160925	3904	36115	62737	338393	1901	603975
% of total (E+L)	26.64	0.65	5.98	10.39	56.34	0.31	100.00
As on 31.3.2012							
Equity (E)	129235	3793	15402	2047	10875	2511	
Loan (L)	37420	78	23273	85906	418758	-	
(E+L)	166655	3871	38675	87953	429633	2511	729298
% of total (E+L)	22.85	0.53	5.31	12.06	58.91	0.34	100.00
As on 31.3.2013							
Equity (E)	136281	3866	24538	2580	12131	2493	
Loan (L)	31055	101	16889	109489	505911	-	
(E+L)	167336	3967	41427	112069	518042	2493	845334

% of total (E+L)	35.26	0.91	8.81	25.74	28.71	0.57	(100.00)
As on 31.3.2014							
Equity (E)	143933	3887	31082	3427	12668	3725	
Loan (L)	20508	255	10866	13689	748056	-	
(E+L)	164441	4142	41948	17116	760724	3725	992096
% of total (E+L)	16.57	0.42	4.23	1.73	76.67	0.38	(100.00)
As on 31.3.2015							
Equity (E)	149175	4569	34405	3628	13169	8074	
Loan (L)	19580	243	11266	152348	699097	-	
(E+L)	168755	4812	45671	155976	712266	8074	1095554
% of total (E+L)	15.40	0.44	4.17	14.24	65.02	0.73	(100.00)
As on 31.3.2016							
Equity (E)	157884	4055	38743	3824	14372	9456	
Loan (L)	27377	272	10822	178869	726170	-	
(E+L)	185261	4327	49565	182693	740542	9456	1171844
% of total (E+L)	15.81	0.37	4.23	15.59	63.19	0.81	(100.00)

2.5 Plan Investment in CPSEs

A good deal of investment in CPSEs in recent years has been made from internal resources (IR). Plan outlay in CPSEs constitutes internal resources (IR), extra-budgetary resources (EBR) and budgetary support (BS). The Plan Outlay has increased by ₹1167.70 crore to ₹193845.20 crore in 2015-16 over the previous year, showing a marginal increase of 0.61 per cent. The respective shares of

IR, EBR and BS have, nevertheless, undergone a change. The share of IR has decreased from 52.17 per cent of plan outlay in 2014-15 to 47.42 per cent in 2015-16 and the share of BS has also declined from 4.33 per cent in 2014-15 to 3.01 per cent in 2015-16, whereas the share of EBR, on the other hand, increased from 43.50 per cent in 2014-15 to 49.57 per cent in 2015-16 (Table 2.5).

Table 2.5
Plan Investment in CPSEs (2006-07 to 2015-16)

(₹ in crore)
(in %)

Year	Internal Resources	Extra Budgetary Resources	Budgetary support	Plan Outlay
2006-07	58981.57 (60.85)	32676.47 (33.71)	5263.76 (5.43)	96921.80 (100.00)
2007-08	68140.97 (62.18)	38692.82 (35.31)	2745.80 (2.51)	109579.59 (100.00)
2008-09	72815.68 (55.06)	75807.99 (43.71)	1629.64 (1.23)	132253.31 (100.00)
2009-10	84980.15 (54.80)	65633.85 (42.32)	4458.75 (2.88)	155072.75 (100.00)

2010-11	107199.31 (64.00)	56174.62 (33.54)	4120.65 (2.46)	167494.58 (100.00)
2011-12	107940.18 (56.57)	78921.04 (41.37)	3933.25 (2.06)	190794.47 (100.00)
2012-13	93239.93 (51.19)	81186.04 (44.58)	7702.90 (4.23)	182128.87 (100.00)
2013-14	158013.11 (73.94)	47514.74 (22.23)	8180.89 (3.83)	213708.74 (100.00)
2014-15	100524.85 (52.17)	83815.86 (43.50)	8342.79 (4.33)	192683.50 (100.00)
2015-16	91916.64 (47.42)	96083.95 (49.57)	5844.61 (3.01)	193845.20 (100.00)

Source: Expenditure Budget Volume I 2016-17 (Ministry of Finance).

2.6 Internal Resources of CPSEs

A perusal of different components of IR, moreover, shows that the share of 'retained profit' has been showing an increase trend since 2006-07. It went up from ₹58,713.84 crore in 2006-07 to ₹66,408.00 crore in 2015-16 (Table 2.6). The share of depreciation has also increased from ₹32,013.20 crore in 2006-07 to ₹65,996.66 crore in 2015-16.

The per cent contribution of these two component of IR was 61.03 per cent (retained profit) and 33.28 per cent (depreciation) in 2006-07 which has now comes to 47.59 per cent (retained profit) and 47.29 per cent (depreciation) in 2015-16. The contribution of other portion of IR (deferred tax, impairment) was 5.12 per cent in 2015-16 (Table 2.6).

Table 2.6
Internal Resources of CPSEs
(2006-07 to 2015-16)

(₹ in crore)
(in %)

Years	No. of CPSEs which generated IR	Depreciation	Impairment / Generated IR	Deferred Tax	Retained Profit	Total Internal Resources
(1)	(2)	(3)	(4)	(5)	(6)	(7)
2006-07	154	32013.20 (33.28)	5475.33 (6.69)	-	58713.84 (61.03)	96202.27 (100.00)
2007-08	160	35436.51 (35.51)	5653.54 (5.65)	-	58731.80 (58.84)	99821.85 (100.00)
2008-09	158	34432.79 (31.08)	7516.89 (6.78)	-	68854.43 (62.14)	110804.11 (100.00)
2009-10	157	28745.82 (26.52)	9575.56 (8.84)	-	70061.06 (64.64)	108382.44 (100.00)

2010-11	162	53574.55 (37.27)	185.69 (0.15)	3716.01 (3.25)	66478.93 (60.33)	120794.96 (100.00)
2011-12	166	59907.73 (46.22)	152.38 (0.12)	1428.77 (1.10)	68128.71 (52.56)	129617.59 (100.00)
2012-13	159	61798.75 (42.34)	403.07 (0.28)	5394.08 (3.70)	78350.53 (53.68)	145946.43 (100.00)
2013-14	162	60483.45 (39.96)	848.67 (0.56)	6881.74 (4.55)	83161.01 (54.93)	151374.87 (100.00)
2014-15	163	63594.70 (46.03)	533.61 (0.39)	4506.06 (3.26)	69515.84 (50.32)	138150.21 (100.00)
2015-16	164	65996.66 (47.29)	381.43 (0.27)	6762.15 (4.85)	66408.00 (47.59)	139548.24 (100.00)

2.7 Pattern of Investment

Table 2.7 below shows sector-wise aggregate real investment in CPSEs during the last two years, as measured in terms of gross block. The overall growth in investment in CPSEs in terms of 'gross block' (inclusive of capital work-in-progress), stood at 6.26 per cent in 2015-16 over the previous year. In terms of gross block, the 'electricity' CPSEs

had the highest share in aggregate investment 29.56 per cent. This was followed by 'manufacturing' (29.12%), 'mining' (24.28%) and 'services' (15.85%). In terms of growth in investment over the previous year, the highest growth (other than CPSEs under construction and agriculture) was recorded by 'electricity' (13.19%) followed by 'manufacturing' (12.93%) and 'services sector' (1.24%) (Table 2.7).

Table 2.7
Pattern of investment in terms of Gross Block (2014-15 and 2015-16)

(₹ in crore)

S. No.	Sector	Investment in terms of Gross Block		Growth rate over the previous year	Gross Block as % of Total as on 31.3.2016
		2015-16	2014-15		
1	Agriculture	910.47	1004.91	-9.4	0.04
2	Electricity	598909.44	529103.46	13.19	29.56
3	Manufacturing	590094.07	522528.76	12.93	29.12
4	Mining	491990.52	507165.71	-2.99	24.28
5	Services	321173.98	317231.23	1.24	15.85
6	Under Construction	23236.83	29892.15	-22.26	1.15
	TOTAL	2026315.31	1906926.22	6.26	100.00

Note: This is inclusive of capital- work -in- progress (including intangible assets).

2.8 Top 10 CPSEs in terms of Gross Block

Gross block in top 10 CPSEs amounted to ₹14,09,272.20 crore as on 31.3.2016. This was equal to 69.56 per cent of the total gross block in all CPSEs. Oil & Natural Gas Corporation Limited, NTPC Ltd and Power Grid Corporation of India

Ltd. are the top three CPSEs amongst the top ten CPSEs in terms of gross block during the year 2015-16 (Table 2.8). The share of these 3 CPSEs alone was 32.76% of the total gross block of all the CPSEs as on 31.3.2016.

Table 2.8

Gross Block in Top Ten Enterprises, as on 31.3.2016

(₹ in crore)

S. No.	CPSE Name	Investment in terms of Gross Block	Share in Total Gross Block (%)
1	Oil & Natural Gas Corporation Ltd.	256597.89	12.66
2	NTPC Ltd.	213273.09	10.53
3	Power Grid Corporation of India Ltd.	193861.88	9.57
4	Bharat Sanchar Nigam Ltd.	173738.80	8.57
5	Indian Oil Corporation Ltd.	171581.22	8.47
6	ONGC Videsh Ltd.	124217.81	6.13
7	Steel Authority of India Ltd.	100201.74	4.95
8	Nuclear Power Corpn. of India Ltd.	59725.68	2.95
9	Bharat Petroleum Corpn. Ltd.	59148.57	2.92
10	Hindustan Petroleum Corpn. Ltd.	56925.52	2.81
	Total	1409272.20	69.56
	Grand Total	2026315.31	100.00

* Gross Block inclusive of Capital-work-in progress and intangible assets under development.

2.9 State-wise distribution of Gross Block

As on 31.3.2016, the enterprises have invested funds in gross block in different states. The funds have been invested as per the requirement of

the CPSEs and the balance regional development in the country. In absolute terms, there has generally been increase in investments in most states. The state wise distribution of investment in terms of gross block is given in Table 2.9 below.

Table 2.9
State-wise Distribution of Gross Block as on 31.3.2016

S. No.	State / Union Territory	Gross Block (₹ in crore)			% share in Total Gross Block		
		2015-16	2014-15	2013-14	2015-16	2014-15	2013-14
1	ANDHRA PRADESH	101144.5	100010.59	127586.86	4.99	5.24	7.26
2	ARUNACHAL PRADESH	15123.25	13613.41	12071.08	0.75	0.71	0.69
3	ASSAM	86812.68	78773.75	71394.67	4.28	4.13	4.06
4	BIHAR	64517.29	60724.3	55773.01	3.18	3.18	3.18
5	CHHATTISGARH	92206.91	82164.08	70380.48	4.55	4.31	4.01
6	DELHI	91524.47	63588.88	61769.53	4.52	3.33	3.52
7	GOA	1839.38	1602.45	1769.04	0.09	0.08	0.1
8	GUJRAT	88107.8	87334.13	76386.38	4.35	4.58	4.35
9	HARYANA	51993.23	49318.02	47429.75	2.57	2.59	2.7
10	HIMACHAL PRADESH	40842.72	38949.2	37634.46	2.02	2.04	2.14
11	JAMMU & KASHMIR	25554.96	24508.64	23528.67	1.26	1.29	1.34
12	JHARKHAND	49270.84	46212.76	42693.36	2.43	2.42	2.43
13	KARNATAKA	88664.47	74455.27	65817.33	4.38	3.9	3.75
14	KERALA	43354.07	38017.21	33865.88	2.14	1.99	1.93
15	MADHYA PRADESH	90882.57	81991.08	74457.85	4.49	4.3	4.24
16	MAHARASHASHTRA	177969.78	323657.17	297162.9	8.78	16.97	16.92
17	MANIPUR	937.04	685.02	520.74	0.05	0.04	0.03
18	MEGHALAYA	365.07	344.89	322.93	0.02	0.02	0.02
19	MIZORAM	1486.17	1237.89	886.13	0.07	0.06	0.05
20	NAGALAND	1241.85	1257.89	1177.24	0.06	0.07	0.07
21	ORISSA	122943.67	108095.85	102321.04	6.07	5.67	5.83
22	PUNJAB	20006.89	19493.58	17829.02	0.99	1.02	1.02
23	RAJASTHAN	44397.43	39308.77	33999.75	2.19	2.06	1.94
24	SIKKIM	4521.41	4432.81	4276.52	0.22	0.23	0.24
25	TELANGANA	16747.69	11660.58	-	0.83	0.61	-
26	TAMILNADU	123445.76	124149.24	120166.4	6.09	6.51	6.84
27	TRIPURA	7426.54	6944.05	6240.71	0.37	0.36	0.36
28	UTTAR PRADESH	130550.88	118576.46	109569.06	6.44	6.22	6.24
29	UTTARANCHAL	28224.04	26513.79	25250.84	1.39	1.39	1.44
30	WEST BENGAL	92085.37	91566.35	85606.58	4.54	4.8	4.87
31	ANDAMAN & NICOBAR ISLANDS	454.36	441.46	2327.26	0.02	0.02	0.13
32	CHANDIGARH	674.24	649.09	559.79	0.03	0.03	0.03
33	PONDICHERRY	410.67	389.5	283.39	0.02	0.02	0.02
34	DADRA NAGARHAVLI	409.15	378.03	358.85	0.02	0.02	0.02
35	DAMAN AND DIU	246.26	231	174.75	0.01	0.01	0.01
36	OTHERS AND UNALLOCATED	319931.9	185649.03	144938.55	15.79	9.74	8.25
TOTAL :		2026315.31	1906926.22	1756530.80	100.00	100.00	100.00

Chapter-3

Pricing Policy in CPSEs

3.1 Pricing Strategy of CPSEs

3.1.1 Prices of 'manufactured products' and 'services' are observed to be determined by companies based on the average/marginal cost of production and the mark-up over and above the cost to accommodate profits. The margin of 'mark-up', in turn, depends on the competitiveness or the degree of monopoly and the elasticity of demand and brand value in the market. Given the elasticity of demand for the product, a monopolist is able to charge a higher mark-up compared to a competitive market scenario; the mark-up being the difference between the average revenue and the marginal cost per unit of output.

Coal India Ltd., Indian Oil Corporation Ltd., ONGC Ltd. and HPCL function largely under monopoly conditions. The Food Corporation of India, working under strong social objectives, makes market interventions in the food grains markets through support price policy for farmers and through public distribution system for consumers. The minimum support prices to farmers are arrived at on the basis of cost of cultivation and other specific factors rather than on demand and supply basis. FCI distributes food grains to vulnerable sections at subsidized prices. BHEL is the only CPSE manufacturing Main Plant Power Equipment in the Country. The company is operating in a competitive environment facing competition from a number of domestic and foreign suppliers since late 1970s. Price is determined by BHEL based on the prevailing market price, expected competition, strategic considerations, project viability, lowest bid price etc.

In the international markets where CPSEs face a market characterized by greater competition, the price is primarily determined by the forces of demand and supply. Examples are CIL (for buyers other than core sectors), SAIL, NMDC, NALCO and Hindustan Copper.

3.1.2 The prices of products of CPSEs which operate in a monopsonistic market structure (where Government of India is the sole/primary buyer as in case of CPSEs like BEL, HAL, Mazagaon Dock Ltd, BEML, Electronics Corporation of India Ltd.) are determined by controlled/ negotiated price or through the bidding route (in which case the CPSEs compete with private sector and foreign companies for their products).

3.1.3 CPSEs working under oligopolistic market structure like Air India, BSNL, MTNL, SAIL, NALCO and ITDC where there is stiff competition from private companies, competition based pricing strategy is followed. Besides market structures, a combination of factors comes into play in the determination of prices in the CPSEs. Exponential growth in markets such as the telecom sector have brought down the costs due to 'economies of scale'. Moreover, there are transaction costs, costs of fixed assets, externalities and access to information which has a bearing on the cost of the products of CPSEs. Given the aforesaid factors, the prices charged by CPSEs ranges from very subsidized price to full cost price, with many intermediate pricing solutions.

3.1.4 The paragraphs below briefly discuss the pricing system in respect of products in sectors where CPSEs are major players, and which touch the lives of a large majority of people.

3.2 Coal

3.2.1 Coal India Limited (CIL)

The coal price has been completely deregulated w.e.f. 01.01.2000. After deregulation, Coal India Ltd. (CIL) has been fixing the prices for all the grades/ varieties of raw coal produced by its subsidiary companies. In the price revision effective from 27.02.2011, for the first time the concept of dual pricing was introduced; one for consumers in the regulated sector (i.e. Power Utilities including IPPs, Fertilizers and Defence) and another for

consumers other than Power utilities including IPPs, Fertilizers and Defence (non-regulated sector). Since the price of end products of coal consuming industries in the non-regulated sector are driven by demand and supply scenario, it was decided by CIL to fix the price of coal for non-regulated sector at a level which should be closer to the market price of coal. At present, the prices of coking coal and lower grade (Grade G6 to G17) of non-coking coal for non-regulated sector are higher by 30% and 20% respectively over and above the price applicable for regulated sector. While power and fertilizer sectors in the country are operating in a regulated regime and the cost advantages in generation/production, if any, are passed on to the consumers, other coal

consuming sectors are operating in a market driven pricing mechanism and therefore, have high market absorption capacity.

Lower grades of coal contribute more than 80% of the total production of CIL. Major coal consuming sectors like power, cement, sponge iron etc. are being supplied coal in terms of the Fuel Supply Agreement. From the view point of business strategy, consuming sectors are segmented in line with price absorption capacity and size of the business. By virtue of business volume and commitment given for the off-take of lower grade of coal, power sector enjoys price advantage over other consuming sectors. The trend of coal price in last five years is given below at table 3.1.

Table 3.1
Trend of coal price in last five years

Year	Average price per tonne of coal (Net sales/Dispatch) (₹ per tonne)	Net sales (₹ in Crore)	Offtake (raw coal) In Million tons
2011-12	1441	62415.43	433.08
2012-13	1468	68302.74	465.18
2013-14	1459	68810.02	471.59
2014-15	1472	72014.62	489.38
2015-16	1415	75644.27	534.50

3.2.2 Lignite Pricing:

3.2.2.1 NLC India Limited (formerly Neyveli Lignite Corporation) policy in lignite pricing:

Lignite price is fixed based on the cost plus pricing for internal transfer. Under e-auction, the price will vary based on market conditions. The e-auction lignite price is always higher than the cost plus pricing. The lignite price is fixed based on the guidelines issued by the Ministry of Coal. The guidelines for the tariff period 2004-19 cover the following:

- Capacity Utilization;
- Funding pattern – Debt Equity ratio;

- Additional Capitalization;
- Depreciation;
- O&M Expenses;
- Working Capital ;
- Return on Equity, Interest & Income tax;
- Foreign Exchange Rate Variation;
- Royalty and Mine closure expenses.

The trend of Lignite price in last 5 years is given below at table 3.2.

Table 3.2
Trend of Lignite price in last 5 years

(₹ per tonne).

Year	Mine I	Pooled price	Barsingsar Mine	e-auction Open sales price	WPI
2011-12	1161	1494	777	1800/2000	172.63
2012-13	1256	1513	792	1800	187.04
2013-14	1362	1596	829	1700	189.70
2014-15 (At Provisionally Billed Rate)	1362	1596	829	1700/1808	191.30
2015-16 (At Provisionally Billed Rate)	1362	1596	829	1808/1962/1949	193.30
CAGR	4.07%	1.66%	1.63%	2.01%	2.87%

3.2.2.2 No subsidy is given for Coal and Lignite Sector.

3.3 Petroleum and Gas

3.3.1 The pricing of petroleum products was brought under the Administered Price Mechanism (APM) effective July 1975 when the pricing of petroleum products was shifted from import parity principles to cost plus principles. As APM was found to be increasingly unsuitable for the long term growth and efficiency of oil industry, APM was dismantled w.e.f. 1st April 2002 and prices of all Petroleum Products except PDS Kerosene and Domestic LPG were made market determined. However, in view of the high increase in oil prices in the international market since 2004 onwards, the Government started controlling the retail selling prices of these sensitive petroleum products resulting in under-recoveries to the Public Sector Oil Marketing Companies (OMCs). Thereafter, prices of Petrol and Diesel

were made market-determined effective 26.06.2010 and 19.10.2014 respectively. Since then, the OMCs take appropriate decision on pricing of Petrol and Diesel.

3.3.2 Trend of International Oil Prices:

International prices of crude oil and petroleum products have remained highly volatile in the recent past. Indian basket of crude oil, which averaged about \$ 23/bbl at the time of dismantling of APM in March 2002, averaged at \$105.52/bbl. per barrel during 2013-14. The prices of crude oil, after continuously being at the level of more than \$100/bbl for over three years, started falling sharply during the second half of 2014. As a result, the average price of Indian crude basket during 2015-16 was recorded at \$46.17/bbl.

The trend in the international prices of crude oil and major petroleum products since 2011-12 is given in Table 3.3

Table 3.3

Period	Indian Basket Crude Oil*	Petrol	Diesel	Kerosene	LPG
		\$/bbl.			
2011-12	111.89	121.60	125.38	125.99	899.42
2012-13	107.97	118.98	121.97	123.11	885.20
2013-14	105.52	114.31	119.41	118.80	880.49
2014-15	84.29	95.45	96.64	96.98	683.87
2015-16	46.17	61.72	55.02	55.71	394.71

*Composition of Indian Basket of Crude represents average of Oman & Dubai for sour grades and Brent (Dated) for sweet grade in the ratio of 71.03:28.97 during 2015-16.

3.3.3 Subsidy on PDS Kerosene and Domestic LPG:

Subsidy on PDS Kerosene and Domestic LPG, fixed effective 1.4.2002 under 'PDS Kerosene and Domestic LPG Subsidy Scheme, 2002', has been met from the fiscal budget. It has been fixed on a specified flat rate basis for each Depot/Bottling Plant based on the difference between the cost price and the issue price per selling unit in March 2002. The average subsidy during 2002-03 on PDS Kerosene was ₹2.45 per litre & on domestic LPG ₹67.75 per cylinder.

The flat rate subsidy was reduced by 1/3rd each year during 2003-04 and 2004-05. Since then the approved subsidy rate for Domestic LPG (Subsidized) and PDS Kerosene has been maintained at the 2004-05 level (i.e. 1/3rd of 2002-03 level), i.e. 82 paise per litre for PDS kerosene and ₹22.58/cylinder for domestic LPG till 2014-15.

The year-wise subsidy i.e. flat subsidy plus under-recovery which was available to the customers of PDS kerosene and domestic LPG, during the last 5 years, are at Tables 3.4 and 3.5:

Table 3.4
Per Unit & Total Subsidy Provided to Consumer on PDS Kerosene

Year	Per Unit Subsidy (₹/Litre)			Total subsidy amount (₹ in crore)		
	From Govt. Budget	By Oil Cos.	Total subsidy to consumers	From Govt. Budget	By Oil Cos.	Total subsidy to consumers
2010-11	0.82	17.39	18.21	931	19484	20415
2011-12	0.82	26.46	27.28	863	27352	28215
2012-13	0.82	31.16	31.98	741	29410	30151
2013-14	0.82	33.98	34.80	676	30574	31250
2014-15	0*	27.93	27.93	0*	24799	24799

*Extension of Subsidy schemes for 2014-15 approved by Govt. However, no payment has been made in 2014-15.

Table 3.5
Per Unit & Total Subsidy Provided to Consumer on Subsidized Domestic LPG

Year	Per Unit Subsidy (₹/Cyl.)			Total subsidy amount (₹ in crore)		
	From Govt. Budget	By Oil Cos.	Total subsidy to consumers	From Govt. Budget	By Oil Cos.	Total subsidy to consumers
2010-11	22.58	249.94	272.52	1974	21772	23746
2011-12	22.58	320.30	342.88	2137	29997	32134
2012-13	22.58	427.14	449.72	1989	39558	41547
2013-14	22.58	499.52	522.10	1904	46458	48362
2014-15	0*	409.72	409.72	0*	36580	36580

*Extension of Subsidy schemes for 2014-15 approved by Govt. However, no payment has been made in 2014-15. The said scheme has now been discontinued w.e.f. 01-04-2015.

3.3.4 Freight Subsidy (for far flung areas)

Freight subsidy for supplies and sales of products in the notified far flung areas is provided for PDS Kerosene and Domestic LPG. The subsidy is being

paid at 1/3rd level of the rates for 2002-03 since 2004-05. The actual payments released under notified scheme since 2010-11 are as under in Table 3.6:

Table 3.6
Freight Subsidy provided on PDS
Kerosene and Domestic LPG

(₹ in crore)

Year	Freight Subsidy
2010-11	22
2011-12	23
2012-13	23
2013-14	21
2014-15	23

The above subsidy schemes have discontinued effective 01-04-2015.

3.3.5 Petrol

The Government has made the price of Petrol market determined effective 26.6.2010. Since then, the OMCs take a decision on price of petrol in line with its international price and other market conditions. The OMCs have not only increased but also decreased the price of Petrol in line with changes in international prices and rupee dollar exchange rate.

3.3.6 Diesel

Effective 19th October 2014, the price of Diesel has been made market determined for all consumers. Since then, the OMCs are taking decision on price of Diesel in line with its international prices and other conditions and have revised the prices both upwards and downwards.

3.3.7 PDS Kerosene

The Government continues to modulate the retail selling prices of PDS Kerosene resulting in incurrence of under-recovery on its sale to OMCs. Based on the refinery gate price effective 1st

November 2015, the OMCs are currently incurring under-recovery of ₹ 12.25/Litre on PDS Kerosene.

Effective 1st July, 2016, the Government has authorized the Public Sector Oil Marketing Companies (OMCs) to increase the Retail Selling Prices of PDS Kerosene by 25 paise per litre (excluding VAT as applicable in different State / Union Territories) for each of the next 10 months. The same has been revised to increase the Retail Selling Prices of PDS Kerosene by 25 paise per litre per fortnight (excluding VAT as applicable in different State / Union Territories) during the period from 1st September, 2016 to 31st January, 2017 and ₹0.23/litre on 1st February, 2017.

3.3.8 Domestic LPG

On 13th September 2012, the Government decided to restrict the supply of subsidized LPG cylinders to each consumer to 6 cylinders (of 14.2 Kg) per annum which was subsequently increased to 9 cylinders effective from 17th January 2013. This limit has been further increased to 12 cylinders per annum to each household effective from 30th January 2014.

Effective 1st January 2015, the modified DBTL (PAHAL) scheme has been implemented in the entire country wherein consumers pay market linked price and the subsidy on Domestic LPG is being transferred to the eligible consumers directly to their bank accounts. Based on the refinery gate price as on 1st November 2016, the consumers are getting a total DBTL subsidy of ₹98.86/Cylinder under the DBTL scheme (including cash compensation of ₹28.12/Cylinder towards uncompensated costs charged in the RSP) at Delhi.

The total claim by OMCs and the amount released by the Government under the DBTL scheme is given below in table 3.7:

Table 3.7

(₹ Crore)

Perticulars	2013-14	2014-15	2015-16
Subsidy under DBTL	3869.00	3971.00	16056.00
Permanent Advance	1231.51	4523.41	852.83
Total claim under DBTL	5100.51	8494.41	16908.83
Less: Cash sanctioned by Govt.	5069.51	8494.41	16908.83

The Government has decided to increase the effective price of subsidized domestic LPG by ₹2.00 per cylinder (of 14.2 kg) per month (excluding VAT as applicable in different State / Union Territories) till the end of current financial year or reduction of government subsidy to “Nil” or further order, whichever is earlier.

3.3.9 Under-recoveries of OMCs:

The oil companies incur under-recovery on sale of petroleum products by selling them at the price modulated by the Government. The under-recovery incurred by oil marketing companies since 2010-11 is tabulated below in table 3.8:

Table 3.8
Under-recovery incurred on Sale of Regulated Petroleum Products

(₹ in crore)

Year	Diesel	PDS Kerosene	Domestic LPG	Total Under recoveries
2011-12	81,192	27,352	29,997	1,38,541
2012-13	92,061	29,410	39,558	1,61,029
2013-14	62,837	30,574	46,458	1,39,869
2014-15	10,935*	24,799	36,580	72,314
2015-16	0	11,496	18	11,514

*Under recovery on Diesel is up to 18.10.2014.

3.4 Electric Power

The Electricity Regulatory Commissions Act was enacted in 1998 for creation of Regulatory Commissions at the Centre and in the States with the authority, inter-alia, to regulate/determine power tariffs. The Central Government accordingly created the Central Electricity Regulatory Commission (CERC) to regulate/determine power tariffs of CPSEs/inter-state companies engaged in generation and inter-state transmission companies. CERC also issues orders on Availability Based Tariff (ABT) for ensuring grid discipline.

3.4.1 Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2014

The tariffs for the electricity supplied by CPSEs/inter-state generating companies for the period of 2014-19 are determined by the CERC as per the Central Electricity Regulatory Commission (Terms & Conditions of Tariff) Regulations, 2014.

Regulation 21 of the Tariff Regulations, 2014 describes the components of the annual fixed cost of

a generating station for the purpose of determination of tariff which are:

- i. Return on Equity
- ii. Interest on loan capital
- iii. Depreciation
- iv. Interest on working capital
- v. Operation & Maintenance expenses
- vi. Special allowances in lieu of R&M or separate compensation allowances, wherever applicable.

Regulation 22 of the Tariff Regulations 2014 describes the components of the variable cost of a generating station (excluding Hydro Power Projects) for the purpose of determination of tariff which are:

- i. Landed Fuel Cost of primary fuel; and
- ii. Cost of secondary fuel oil consumption

Regulation 23A of the CERC (Terms and Conditions of Tariff) (First Amendment) Regulation, 2015 provides for determination of Tariff for Gas

based generating stations covered under the “Scheme for utilization of Gas based power generation capacity” issued by Ministry of Power, Government of India, in due consideration of the provisions of that scheme in deviation of the relevant regulation.

3.4.2 The Important features of the Tariff Regulations, 2014 are as follows:

(i) Return on Equity:

Post tax Return on Equity (RoE) of 15.50% for thermal generating stations, transmission and run of river hydel generating stations and 16.50% for the storage type generating stations including pumped storage hydro generating stations with additional 0.5% return on equity for timely completion of projects or elements.

(ii) Treatment of Tax:

The provision of grossing of ROE has been reintroduced to overcome perceived difficulties in implementing proposal. However, the tax rate for grossing up of RoE has been rationalized to protect the interest of beneficiary/consumers and has been linked with the Effective Tax Rate or Minimum Alternate Tax allowing pass through of benefit of 80LA etc.

(iii) Others

The Commission recognized the deterioration in operational performance of generating stations in view of the current challenges of availability of fuel on sustained basis and has reduced the target availability level to 83% from the previous 85% to recover fixed charges and at the same time, re-introduced the incentive mechanism linked to target PLF for thermal generating stations.

- Regulatory philosophy of CERC has been to incentivize efficiency gains and to periodically pass the improvements to beneficiaries. Accordingly, to incentivize higher availability of transmission system, separate availability factor based on past performance of the transmission system has been introduced for recovery of an incentive.

- The operational norms of thermal generating stations and transmission system have been rationalized on the basis of their actual performance, viz. availability, gross station heat rate, auxiliary energy consumption, secondary fuel oil consumption.
- Incentive payment linked to plant load factor instead of plant availability.
- Recovery of energy charges based on ‘ás received GCV’ instead of ‘ás fired GCV’.
- The water charges of the generating stations have been allowed separately considering actual cost on case to case basis.
- In view of the shortage of domestic coal, flexibility for use of alternate source of fuel/ imported coal has been allowed to the extent that the weighted average price of use of alternative source of fuel does not exceed 30% of the base price of coal or 20% of the energy charge rate based on the weighted average fuel price for the previous month, whichever is lower.
- Financial parameters such as debt-equity, depreciation, interest on loan, RoI.

3.4.3 The final CERC (Terms and Conditions of Tariff) Regulation, 2014

It came into effect from 1st April, 2014 and are valid for five years ending on 31st March, 2019. Subsequently, CERC (Terms and Conditions of Tariff) (First Amendment) Regulation, 2015 were notified which covered the following:

- Recovery / refund of the difference between the interim tariff and final tariff by the generating companies and Inter-State transmission licensees.
- Sharing of financial gains on account of operational parameters.
- Gain / Loss on account of foreign exchange rate variation included in the capital cost of generation or transmission projects.
- Separate provision made for determination of tariff of gas based generating stations which

were covered under the “Scheme for utilization of gas based power generation capacity” issued by the Government of India.

- Depreciation rate prescribed for fibre optic.
- Clarity given for treatment of deferred tax liability in tariff.

3.4.4 Renewable Energy Tariff:

The Central Electricity Regulatory Commission notified the CERC (Terms and Conditions for Tariff determination from Renewable Energy Sources) Regulations, 2012 and amendments to the same from time to time for determination of tariff from energy generated through renewable energy sources. Salient features of RE Tariff include-

- a. Regulatory support for a tariff period which provides for certainty to the project developer to meet their debt service obligations
 - i. 13 years in respect of wind, bio-mass, bagasse based cogeneration, non-Fossil Fuel co-generation and small hydro (5MW-25MW)
 - ii. 35 years for small hydro projects below 5 MW,
 - iii. 25 years for solar PV and solar thermal,
 - iv. 20 years for biomass gasifier and biogas based power projects, municipal solid waste and refuse derive fuel based power projects.
- b. Five years control period for tariff principles.
- c. Generic Tariff (single part tariff with two components) on levellised basis for fixed cost component while the fuel cost component shall be specified on year of operation basis. For the purpose of levellised tariff computation, the discount factor equivalent to post tax weighted average cost of capital.
- d. Debt to equity ratio of 70:30 has been specified. Further, for RE projects where equity employed is more than 30% (in case

of project specific tariff determination), the amount of equity for the purpose for determining the tariff shall be limited to 30% only whereas in case the equity employed is less than 30%, the actual equity employed shall be considered.

- e. Loan tenure of 12 years specified.

3.5 Steel

The Indian steel industry was one of the first few major sectors to be comprehensively deregulated as part of the general economic reforms. The erstwhile regime of controls was wholly dismantled in 1992 through the following policy changes:

- (a) Prices and distribution (with the exception of a few strategic areas like Small Scale Industries Corporation) were freed,
- (b) Trade barriers came down with reduction in tariff rates and removal of physical restrictions (canalizing and licensing) on imports and exports,
- (c) Freight ceilings replaced freight equalization,
- (d) FDI in Iron & Steel was allowed through the automatic route,
- (e) Technology imports were made easier, and
- (f) Post-liberalization, Indian Steel industry has grown substantially from a production level of 18 Million Tonnes (MT) in 1992 to 89MT in 2015. Simultaneously, the technological profile of the steel industry has also improved considerably and world class iron and steel manufacturing facility has been set up and Indian steel industry is equipped to produce most of the steel products including value added steel products at competitive cost.

As steel pricing was deregulated, prices came to be determined through competition in the market.

The selling prices of steel and steel products are, inter-alia, based on the following factors:

- (a) demand and supply position,
- (b) competitor pricing,
- (c) landed cost of imports,
- (d) levels of Inventory,
- (e) freight from producing point to consuming point and
- (f) market position for customers' end products.

3.6 Fertilizers

For sustained agriculture growth and to promote balanced nutrient application, it is imperative that fertilizers are made available to farmers at affordable prices. Urea is the main nitrogenous fertilizer constituting significant portion of fertilizer consumption in the country.

3.6.1 All varieties of fertilizers, except Urea removed from prices and distribution control in August 1992. The Government of India, however, indicated the Maximum Retail Price (MRP) in respect of major Phosphatic and Potassic (P&K) fertilizers namely, Di-ammonium Phosphate (DAP), Murate of Potash and 11 grades of complex fertilizers under the erstwhile Concession Scheme for decontrolled P&K fertilizers upto 31.3.2010. MRP of SSP which was earlier fixed by the respective State Government upto 30.4.2008 was fixed by the Government of India w.e.f. 1.5.2008 to 30.9.2009. W.e.f. 1.10.2009 to 30.4.2010, the MRP of SSP was made open to be fixed by SSP companies wherein a fixed amount of subsidy was provided on SSP under the erstwhile concession scheme. The indicative MRPs of decontrolled P&K fertilizers under the erstwhile Concession Scheme were less than the delivered cost of these fertilizers. The difference between

delivered cost of production of P&K fertilizers and indicative MRP were paid as subsidy/concession to the manufacturers.

In the context of nation's food security, considering the declining response of the agriculture productivity to increased fertilizer usage in the country and in order to ensure the balanced application of fertilizers, the Government of India introduced Nutrient Based Subsidy (NBS) policy w.e.f. 1.4.2010 for decontrolled P&K fertilizers.

Under the NBS Policy, a fixed amount of subsidy, decided on annual basis is provided on each grade of P&K fertilizers depending upon its nutrients (N, P,K, S) content. MRP of P&K fertilizers are fixed by the fertilizer manufactures/importers. At present 22 grades of P&K fertilizers namely DAP, MAP, TSP, MOP, Ammonium Sulphate, SSP and 16 grades of NPKS complex fertilizers are covered under the NBS Policy.

The per KG subsidy on nutrients, namely Nitrogen (N), Phosphate (P), Potash (K) and sulphur (s) contained in P&K fertilizers covered under NBS Policy for the year 2015-16 w.e.f. 25.06.2016 shall be as under in Table 3.9:

Table 3.9

S. No.	Nutrients	NBS (₹ Per KG of Nutrient)
1	N - Nitrogen	20.875
2	P — Phosphate	18.679
3	K — Potash	15.500
4	S - Sulphur	1.677

3.6.2 Per Metric Tonne subsidy on various grades of P&K fertilizers covered under NBS Policy shall be as under in Table 3.10:

Table 3.10

S. No.	Name of fertilizers (nutrient content)	NBS Rates for 2015-16 (₹ / MT)
1	DAP : 18-46-0-0	12350
2	MAP : 11-52-0-0	12009
3	TSP : 0-46-0-0	8592
4	MOP 0-0-60-0	9300
5	NPS 16-20-0-13	7294
6	NPS 20-20-0-13	8129

7	NPK 10-26-26-0	10974
8	NPK 12-32-16	10962
9	NPK 14-28-14	10323
10	NPK 14-35-14	11630
11	NPK 15-15-15	8258
12	AS : 20.6-0-0-23	4686
13	NP 28-28-0-0	11075
14	NPK 17-17-17	9359
15	NPK 19-19-19	10460
16	SSP 0-16-0-11	3173
17	NPK 16-16-16-0	8809
18	NPKS 15-15-15-09	8409
19	NP 24-24-0-0	9493
20	NP 20-20-0-0	7911
21	NPS 24:24-0-8	9493

- a. As NBS rates for 2015-16 will remain same as that of 2014-15, the per MT subsidy rates from 01.04.2015 till date will also remain same.
- b. Any variant of the subsidized P&K fertilizers covered under NBS Policy and fortified/coated with Boron and Zinc, as provided for under FCO, will continue to be eligible for subsidy. Such fortified/coated grades of fertilizers will attract an additional per tonne subsidy to encourage their application along with primary nutrient as per the rates mentioned below in Table 3.11:

Table 3.11

S. No.	Nutrients for fortification as per FCO	Additional subsidy (₹/MT) for fortified/coated fertilizers
1	Boron (B)	300
2	Zinc (Zn)	500

- c. In order to examine the reasonableness of MRPs of P&K fertilizers, the companies shall continue to submit the certified cost data as per the requirement and directions of DOF from time to time. The companies shall also report MRPs of P&K fertilizers regularly to DOF.
- d. The fertilizer companies are required to print maximum retail price (MRP) along with applicable subsidy on the fertilizer bags clearly. Any sale above the printed MRP will be punishable under the Essential Commodities Act (ECA) 1955.
- e. The distribution and movement of fertilizers along with import of finished fertilizers, fertilizer inputs and production by indigenous units will continue to be monitored through the online web based “Fertilizer Monitoring System (FMS)/mFMS”.
- f. 20% of the price of decontrolled fertilizers produced/imported in India will continue to be in the Movement Control under the provisions of the Essential commodities Act, 1955 (ECA). Department of Fertilizers will regulate the movement of these fertilizers to bridge the supplies in underserved areas.
- g. Manufacturers/Marketers/Importers of P&K fertilizers, including manufactures of SSP, are required to ensure that fertilizers are transported up to the retail point on F.O.R. delivery basis.
- h. Manufacturers of customized fertilizers and mixture fertilizers will be eligible to source subsidized P&K fertilizers from the manufacturers/importers after their receipt in the districts as inputs for manufacturing customized fertilizers and mixture fertilizers for agricultural purpose. There would be no separate subsidy on sale of customized fertilizers and mixture fertilizers.

- i. The payment of subsidy to the manufacturers/importers of P&K fertilizers shall be released as per the procedure and terms and conditions mentioned in the Department Notification No. D (FA)/CCEA/2011 dated 25.10.2012 and as amended from time to time. Under the existing provisions of payment of subsidy, balance subsidy of 10-15% for P&K fertilizers and 5% for Urea is released inter alia subject to State Government's certification of quality and the State Governments are required to furnish the quality certificates within 180 days. It has now been decided to consider deemed receipts of quality certificates if the same are not received within 180 days from the date of receipts of the same fertilizers in the district for which the subsidy claims pertain and the subsidy claims in respect of P&K fertilizers and Urea will be processed without quality certificates from the State Governments. However, the quality certificate received after the stipulated 180 days will also be taken into account and subsidy in respect of fertilizers declared as substandard will be recovered from the subsequent subsidy claims of the concerned companies as per the existing provisions.
- j. The benefits to the manufacturers of P&K fertilizers on account of use of cheaper domestic gas, if any, shall be mopped up for which separate guide lines shall be issued.

3.6.3: Highest Maximum Retail Price (MRP) Of P&K Fertilizers fixed by the fertilizer companies under the Nutrient Based Subsidy regime for last 5 Years is given in Annexure 3.1

3.6.4 MRP of Urea

The MRP of urea is statutorily fixed by the Government of India and at present it is ₹ 5360/- per MT (exclusive of the central excise duty for the domestically produced urea, countervailing duty for the imported urea (which is 1% at present) and state VAT which differs from state to state). MRP also includes the following:

- (i) ₹ 180/MT for dealer margin for privates/PSUs or, ₹ 200/MT in case of Co-operatives.
- (ii) ₹ 50/MT is paid to retailers for acknowledging the receipt and reporting the stock as additional incentive in the retailer margin.

An extra MRP of 5 % (of ₹ 5360/- per MT) is charged by fertilizer manufacturing entities on Neem Coated Urea. Further, the Government of Uttar Pradesh and Gujarat have levied Additional VAT on natural gas used by urea plants situated in these states. Impact of this additional VAT is calculated per MT of urea on the quantity of urea sold in these states, separately for each state and is recovered from the farmers of these respective states by charging ₹420/- per MT and ₹340/- per MT respectively.

3.6.5 Payment of subsidy

The urea is sold at a Maximum Retail Price (MRP) statutorily fixed by the Government of India. The difference between the delivered cost of fertilizers at farm gate and net market realization by the urea units is given as subsidy to the urea manufacturer/importer by the Government of India.

3.6.6 New Urea Policy

The New Urea Policy-2015 (NUP-2015) has been notified by Department of Fertilizers on 25th May, 2015. This is effective from 1st June, 2015 aims to achieve the twin objectives of maximizing indigenous urea production, promoting energy efficiency in urea production and at the same time rationalizing subsidy burden on the government.

For production upto 100% re-assessed capacity (RAC), the 25 gas based urea units (which also includes CPSUs, i.e. Thal & Trombay units of Rashtriya Chemicals & Fertilizers Limited and Panipat, Nangal, Bathinda, Vijaipur-I & Vijaipur-II units of National Fertilizers limited) are entitled to get total cost of production of urea, which includes fixed cost and variable cost as per provisions of New Urea Policy -2015.

For production beyond the RAC, the units will be entitled for their respective variable cost applicable up to re-assessed capacity and a uniform per MT incentive equal to the lowest of the per MT fixed costs of all the indigenous urea units subject to import parity price plus weighted average of other incidental charges which the government incurs on the imported urea. NUP-2015 has led to additional production of approximately 20 LMT from the existing plants and the total production of urea during the year 2015-16 was 244.5 LMT, i.e. the highest ever urea production in the country. Highest ever urea production for any month was achieved in December, 2015 (21.69 LMT).

As per NUP – 2015, Namrup-II and Namrup-III units of BVFCL are proposed to be closed and a new high efficiency unit will be installed, which will be dealt separately under their restructuring proposal. Till then, these two units will function under the provisions of Modified NPS-III.

3.6.7 For Naphtha based urea units

As per Department of Fertilizers notification dated 17th June, 2015, Madras Fertilizers Limited-Manali (CPSU), Southern Petrochemicals Industries Corporation (SPIC) - Tuticorin and Mangalore Chemicals & Fertilizers Limited (MCFL), are entitled to get subsidy till gas availability and connectivity to these three units either by gas pipeline or by any other as per the following conditions:

- (i) These units will be eligible for subsidy on the basis of the revised energy norms from the date of notification, which would be the simple average of pre-set energy norms of New Pricing Scheme (NPS) – III and lowest yearly specific energy consumption achieved during the years 2011-12, 2012-13 and 2013-14 or the pre-set energy norms of NPS – III, whichever is lower.
- (ii) The concession rate for these plants will be determined notionally on the basis of weighted average of the delivered cost of RLNG to recently converted plants after

deducting state taxes (VAT, Entry tax) on RLNG or the cost of production of urea from Naphtha/FO after deducting state taxes levied on Naphtha/FO consumed for urea production (VAT, Entry tax) on Naphtha/FO, whichever is lower.

- (iii) The compensation for other variable costs e.g. the cost of bag, water charges & electricity charges and fixed cost will be determined in accordance with existing provisions of NPS – III and Modified NPS – III.

3.6.8 Policy for uniform freight subsidy on all fertilizers under the fertilizer subsidy regime

Fertilizer subsidy is provided by the Government with the objective of ensuring timely availability of fertilizers to farmers at affordable prices. The aforesaid twin objectives stand fulfilled only if the fertilizers are easily available, especially during the peak demand period, in all parts of the country. Freight for urea has been always driven by considerations of serving the farming population at large including those in remote and hilly areas. Being essential commodity, efficient distribution of urea can add to the efficiency of the manufacturing unit. Department of Fertilizers had notified the policy on 17th July, 2008, the salient features of which are as follows:

- i. The rail freight expenditure for transportation of fertilizers will be paid as per the actual expenditure based on actual lead.
- ii. The road freight towards transportation of fertilizers from nearest railway rake point to block, or from manufacturing unit/port directly by road to block, consists of two elements-Lead distances and per KM rate. This element of subsidy be paid as below:
 - a. The lead distance for each block in the district will be based on average district lead (average of leads from nearest rail rake port to block headquarter)

- b. The per KM road freight will be paid on the basis of average of existing per KM rate for each state in the country, being adopted by FICC for reimbursement of freight subsidy for indigenous urea under NPS-III.
- iii. The normative per KM rate will be annually escalated/de-escalated based on a composite road transport index (weighted average of the WPIs of HSD Oil, Motor tyres, Truck chassis and all commodities) as being done under NPS-III.
- iv. The manufacturing units (especially the SSP units) not having railway siding facilities will also be reimbursed the road transportation costs from their unit to the nearest rake point based on actual leads and the per tonne per KM rate, as computed in paras above.
- v. The freight subsidy will be paid on actual movement of fertilizers up to the block level based on monthly district –wise / block movement plans. The subsidy will be released only after the fertilizers reach the district/block as per the monthly plan.
- vi. The special freight re-imbursement scheme for J&K and North Eastern states stands withdrawn as the freight will be now based on actual leads.

Based on the recommendations of Tariff Commission, the Government had issued a notification on 1st September, 2011 notifying the district wise revised road transportation rates for urea dispatches by all the units with effect from 1st April, 2008. These rates have been escalated on the basis of the composite road transport index for the years 2010-11 and 2011-12 on 18th March, 2014 and for the years 2012-13 and 2013-14 on 18th September, 2014. The slab-wise rates in respect of primary road movement for the year 2008-09 and escalated/de-escalated upto financial year 2014-15, has also been notified vide Department of Fertilizer's notification dated 17th June, 2016.

3.7 Telecommunications

TRAI regulates telecom services including fixation /revision of tariff for telecom services. The recommendations and orders issued by TRAI are binding on all Telecom Operators including BSNL/ MTNL. Various directions orders and regulations are issued by TRAI on pricing of products and services which are available on TRAI website.

Mahanagar Telephone Nigam Limited (MTNL)

3.7.1 The telecom sector's objectives cover a wide canvas which includes enhancing efficiency and flexibility of operation, financial viability of the sector, promoting investment and innovation, stimulating demand and competition, addressing unfair competition, and meeting social objectives such as universal provision of telecom services at fair and reasonable rates.

3.7.2 The Indian telecom market being oligopolistic in nature, the prices for services are competition based. Presently, the tariff for telecom services is broadly left to the discretion of telecom operators. They may decide prices in terms of market forces. The telecom Regulator (TRAI) mainly notifies the rates (through Telecom Tariff Orders) at which telecommunication services within India and outside the country are to be charged through various directions, orders and regulations on pricing of products and services which are available on TRAI website. These recommendations and orders issued by TRAI are binding on all the operators (PSU & Private Operators).

3.7.3 A few services for which TRAI has prescribed tariff ceiling / caps are:

- (i) Minimum Recharge Voucher denomination
- (ii) Leased circuits - domestic
- (iii) National roaming services in Mobile services.
- (iv) Interconnect Usage Charges (IUC) between the Telecom operators.

3.7.4 The tariffs for other services are under forbearance, but are required to be consistent

with regulatory guidelines and principles of non-discrimination and non-predation. Besides the tariff orders, some other services / facilities like MNP further enhances the competition among operators and pushes them to offer further reduced tariffs and enhance the quality of services to retain the customers. The Regulations / Orders issued by TRAI in this regard during 2015-16 are enclosed herewith.

3.7.5 The following points are taken into consideration by MTNL, for price determination for services to subscribers:

- (i) Tariff ceiling prescribed by TRAI for different services.
- (ii) Tariff offered to subscribers by competitors for similar services.
- (iii) Customer's needs and preferences, and
- (iv) Affordability of customer segments.

3.7.6 Therefore the pricing policy for subscriber services by MTNL is competition based pricing. Prices of products and services are determined as per market trends. Differential pricing strategy is also followed which offers discounts for volume purchases and bundling offers. It is pertinent to mention that cost-based pricing (being very high for MTNL due to legacy costs), could not be implemented, due to high competition in the telecom sector, regulatory provisions and social obligations of MTNL being a PSU.

No subsidy is provided by government to MTNL regarding pricing of services.

3.7.7 MTNL provides all the telecom services / solutions like Fixed line, Wireless, Broadband (Fixed & Wireless), leased lines. VPN, FTTH, Enterprise solutions etc. The charges for services are in accordance with TRAI Regulations and the competitive prices in the market. Discounts are also offered to subscribers requiring bulk / bundled services. Subscribers are also offered different plans based on usage segments to suit their needs. Therefore it is not possible to quote standard / benchmark tariffs / prices for MTNL services, since

they are plan based.

Bharat Sanchar Nigam Limited (BSNL)

3.7.8 Regulatory prospect:

BSNL provides the GSM tariff adhering to TRAI's regulations pertaining to Mobile Tariff. Further, various tariff ceilings prescribed by TRAI for different services including while in roaming is followed by BSNL.

3.7.9 Market dynamics:

In India, the telecom market is witnessing a fierce competition with introduction of new telecom operators. In view of this, BSNL is offering GSM tariff to counter the offers of competitors as well as to maximize the market share. Some of the strategic pricing decision are:-

- Free incoming in national roaming.
- Free Data national roaming
- Data at very competitive rate example 1GB @ ₹68/-

3.7.10 Customer Segmentation and social responsibility:

The telecom solution needs for customers vary from person to person. So, customer segmentation is done to provide the tariff/pricing which addresses the need for a particular segment of customers. For example, student CUG plan (circle level) for student segment, TP-FR plan 199 for travelers, sales executives etc.

3.7.11 Differential pricing strategy is also followed which offers discounts for volume purchases and bundling offers.

Telecommunications Consultants India Limited (TCIL)

3.7.12 The turnkey projects are executed based on the cost of the products taken from the market by following its purchase procedures. The cost is quoted adding suitable margin for successful implementation of the project. Margin plus TCIL own Project Management cost is taken for costing. Project Management services are evaluated based

on efforts required.

3.8 Civil Aviation

3.8.1 Pawan Hans Limited

a) **Competition Based Pricing:** For a majority of Contracts for helicopter services, Pawan Hans limited has to engage in competitive domestic and global bidding. Most businesses in offshore Oil and Gas E&P sector and State/Central Govt. leases (for onshore services) are secured in such a manner. In such cases prices are driven by competitive market dynamics in order to secure long-term contracts under Tender bidding.

b) **Cost Plus Pricing:** For a small proportion of works, Pawan Hans Limited, based on customer request and (or) agreement provides this kind of pricing subject to discussion and negotiation on final price. Such method is allowed for Contracts awarded on nomination basis, if any.

3.8.2 Airport Authority of India Limited

(i) AAI levies fees/charges in respect of various services/facilities provided under two broad categories namely Regulated Services (Traffic Revenue) and Non-Regulated Services (Non-Traffic Revenue)

A. Revenue from Regulated Services:

I(a) Airport Navigational Services:

- Route Navigational Facility Charges (RNFC)
- Terminal Navigational Landing Charges (TNLC)

I(b) Airport Services:

- Landing Charges
- Parking & Housing Charges
- PSF (Passenger Service Fees)
- UDF (User Development Fees)

- Cargo.
- Cute Charges
- Ground Handling Services
- Fuel Throughput Charges

II. Revenue from other than Regulated Services (Non-Aeronautical Revenue):

- Public Admission Fess
- Trading Concessions
- Rent and Services
- Car Parking
- Duty Free Shops
- Hoarding & Displays
- Revenue from Interest Income

B) Basis of Tariff Determination:

I. Major Airports:

Airport Economic Regulatory Authority of India (AERA) is the economic regulator in respect of regulated services for Major Airports (Airports with annual passenger throughput more than 1.5 million is notified as Major Airport) and for other airports Ministry of Civil Aviation (MOCA) is the regulator.

The Major Airports under AAI as on 01.04.2016 are:

- Chennai
- Kolkata
- Trivandrum
- Ahmedabad
- Calicut
- Jaipur
- Lucknow
- Guwahati

- Goa (Civil Enclave - International)
- Srinagar (Civil Enclave -International)
- Pune (Civil Enclave - Custom Airport)
- Coimbatore (International)
- Indore
- Mangalore
- Bhubaneswar (International)
- Visakhapatnam (Civil Enclave)
- Patna (International)

AERA has laid down the regulatory framework for regulation of Airport Services i.e. Landing, Parking & Housing of an aircraft and other Ground facility offered in connection with aircraft operation at Major Airports. Tariff is fixed as per the Aggregate Revenue Requirement (ARR) concept wherein Fair Rate of Return (FRoR) on Regulatory Assets Base (RAB), Operational expenditure, Depreciation and Tax are considered. However, AERA has not formulated regulatory framework for Air Navigational Services (RNFC & TNLC).

The National Civil Aviation Policy, 2016 (NCAP) approved by the Government of India stipulates that “future tariffs at all the airports will be calculated on a Hybrid Till basis, unless otherwise specified for any project being bid out in future. 30% of non-aeronautical revenue will be used to cross-subsidies aeronautical charges”.

The 1st Control period of AAI Airports (01.04.2011 to 31.03.2016) will be prepared on Single till basis whereas 2nd Control Period (01.04.2016 to 31.03.2021) will be prepared on Hybrid Till basis for the purpose of computation of Aeronautical Tariffs as per AERA letter No. AERA/2010/Civil Aviation Policy/2014-15/9408 dated 4th August, 2016.

II. Other than Major Airports:

In respect of other than major airports, the tariff is decided on the principle of cost recovery & other guidelines as laid down by the International Civil Aviation Organisation (ICAO) on airport charges. The charges are levied with the approval of

Central Government. Recently, MoCA has revised the Airport Charges by 10% of Non-Major Airports w.e.f. 16.12.2016.

Flights operating under Regional Connectivity Scheme will be completely exempted from Landing and Parking charges from the date the scheme is operationalized by MoCA.

C. Concessions / Discount / Exemption for Airport Services:

- I) AAI is giving various concessions / discounts / exemptions for Air Navigation Services (RNFC & TNLC), Landing, Parking including Night Parking Charges.
- II) Exemption levy and collection from UDF / PSF at airports for children (under the age of 2), persons of Indian Armed Forces on official duty and United Nations peace Keeping Missions, Airlines Crew on duty etc.

3.8.3 Air India Limited

Air fares are deregulated. Under the provision of Sub Rule (1) of Rule 135, Aircraft Rules 1937, airlines are free to fix reasonable tariff having regard to all relevant factors, including the cost of operation, characteristics of services, reasonable profit and the generally prevailing tariff.

All fares offered by Air India are transparent, published fares, multi-level with given validity. The factors that play role in a price determination both in the domestic and international arena include market considerations such as fares offered by the competitors, seasonality, product features like frequency, timings, direct/indirect operations customer segmentation etc.

The domestic fares are offered from low level advance purchase fares (90 days and more in advance, 60 days advance, 30 days advance, 14 days advance, 7 days advance and 2 days advance) and move on to instant levels closer to departure. Fares also include – APEX & Instant, Link, Return, LTC and Islander as also Tactical during short terms promotional period.

DGCA has various CAR (Civil Aviation Regulations) and has mandated the airlines on the transparency in display of air fares and publishing of tariff. Domestic Fares of Air India are uploaded on the website www.airindia.in and are also filed with regulator, DGCA every month. Any change is promptly notified and updated.

3.9 Pharmaceuticals

As per the Pharmaceuticals Purchase Policy (PPP), which has been approved by Union Cabinet on 30.10.2013 for 103 products for a period of five years from the date of issue of the order by Department of Pharmaceuticals (DoP), pricing of the drugs will be done by National Pharmaceutical Pricing Authority (NPPA) using the cost based formula as mentioned in the Drugs Price Control Order (DPCO) 1995 with a uniform discount of 16% extended to all the products. All the taxes whatsoever shall be passed on to buyers. The prices so approved by NPPA / DoP shall be subject to annual revision, linked to whole sale price index as per provisions contained in DPCO 2013.

3.10 Agriculture Products

3.10.1 Outputs: Wheat & Paddy

The Food Corporation of India (FCI) has been intervening in the foodgrains market through

price support policy for farmers and through the public distribution system for consumers. Price support policy is implemented by the FCI primarily in regard to wheat and paddy. The two main objectives of this market intervention are (a) to protect the farmers from volatility in grain markets, and (b) to correct the trade bias against agriculture vis-à-vis other sectors of the economy.

The initial recommendation in regard to procurement price is made by the Commission on Agricultural Costs and Prices (CACP) in the Ministry of Agriculture, Government of India. These prices are arrived at on the basis of cost of cultivation and several other specified factors rather than on demand- supply basis.

The distribution of food grains to the vulnerable sections of the population by FCI is done at Central Issue Price (CIP). Despite increase in the Minimum Support Prices for both wheat and paddy in successive years, there has been no revision of CIP of food grains (wheat and rice) for Below the Poverty Level (BPL) population, Above the Poverty Level (APL) population and for Antyodaya Anna Yojana (AAY) since July 1, 2002, which are as given below in table 3.12

Table 3.12
Central Issue Price of foodgrains

(₹ per quintal)

Effective from	Foodgrain	Scheme-wise		
		BPL	APL	AAY
1.7.2002 to till date	Wheat	415	610	200
1.7.2002 to till date	Rice	565	830	300
KMS 2008-09 to till date	Coarse grains	₹ 4.50 per kg.	₹ 3.00 per kg.	₹ 1.50 per kg.

Under the National Food Security Act, 2013 the foodgrains are to be supplied at the following rates:

Rice- ₹ 3/-Kg. ,
Wheat- ₹ 2/- Kg and
Coarse grain- ₹ 1/- Kg.

3.10.2 Inputs: HYV Seeds

After amalgamation of State Farms Corporation of India (SFCI) with National Seeds Corporation (NSC), NSC is engaged in production of high yield variety (HYV) seeds. The Government has not issued any direction to the CPSE on fixation of price of seeds, which are generally determined by market forces. NSC is engaged mainly in production of high volume of low cost seeds of cereals, pulses and oilseeds and has been striving to make quality seeds available to Indian farmers at affordable prices to ensure national food security.

NSC is facing stiff competition from large companies as well as small companies in the segment of its product range. Government has left it entirely to the CPSEs to fix prices of their products, allowing them the freedom to maintain a balance between social objectives and commercial viability.

Seed pricing comprises of two stages i.e. (i) seed production/procurement (ii) seed sale. Bulk of seed production, both foundation and certified, is largely arranged through regular registered contracts with seed growers.

The broad principle of price fixation for seeds by NSC is based on-

- a) Marginal cost pricing
- b) Make up pricing

National Seed Corporation Limited works out the sale price of seeds by taking the below mentioned cost factors into consideration-

3.10.3 Production Procurement:

- a) The procurement / purchase price (procurement price is fixed on the basis of MSP plus incentive or Average of Highest Mandi Prices plus incentives for cleaned, graded and laboratory test passed seeds. (AT Actual).
- b) Processing cost.
- c) Packing and treatment material cost.
- d) Interest component of advance payment made to seed growers (@ 11% per annum for 6 months on production center cost).

- e) Carriage outwards.
- f) Storage @ ₹3/qtl. For 6 months.
- g) Overheads : - cereals (₹150/qtl.), pulses & maize (₹400-600/qtl.), oilseeds (₹600/qtl.), Vegetable seeds (20% of the production center cost), fodder & fiber (5% of production center cost).
- h) Selling expenses.

The aggregate of the above works out the Total effective cost for NSC.

3.10.4 Selling Price Calculation :

In order to work out the sale price of the seeds for sale, the Dealers discount @ 12.5% and margin of about 5-10% (depending upon market competition) is added to the total effective cost for NSC.

There are no Govt. directions but being Central Govt. Enterprises, working for the welfare of the farmers, the policy of making available seeds to farmers at the economic / competitive price is being maintained.

Subsidy is allowed by Govt. of India to the farmers under two major schemes. NSC sells the seed as per the directions of the Govt. of India through direct benefit transfer scheme and claims reimbursement of the subsidy components thereafter from concerned Govt.

- a) National Mission on Oilseeds & Oil palm (NMOOP):- The subsidy component; 50% of the seed cost or ₹1200/qtl. whichever is less is applicable on seeds of Oilseed varieties which are less than 10 years old, subject to quantity allocation by MOA&FW, GOI and the set guidelines.
- b) National Food Security Mission:- Subsidy is applicable 50% of seed cost for seed varieties less than 10 years old, subject to quantity allocation by State Govts. and the set guidelines. The details of subsidy as per GOI's scheme are as under in Table 3.13:

Table 3.13

Pulses (less than 10 years old varieties)	50% of seed cost or ₹2500/qtl. whichever is less
Cereals (wheat & paddy) (less than 10 years old varieties)	₹1000/qtl. Only.
Coarse Cereals (sorghum, Bajra) (less than 10 years old varieties)	50% of seed cost or ₹1500/qtl. whichever is less

3.10.5 Products under Administered Price Mechanism:- There is no Administered Price Mechanism (APM) from Govt. of India in respect of the seeds dealt by NSC.

The comparative sale prices for last 5 years is given in Table 3.14:

Table 3.14

Average General Sale Price (₹/Qtl.) of Certified Seeds during the years 2011-12 to 2015-16

Sl.No.	Crop	2011-12	2012-13	2013-14	2014-15	2015-16
	Cereal					
1	Wheat	2302	2418	2747	2825	2903
2	Paddy	2445	3336	2650	2899	3916
3	Maize	6993	7102	10087	9878	10636
4	Sorghum	4169	5123	4403	5037	5332
	Pulses					
1	Greengram	8960	8911	9093	10470	13306
2	Blackgram	6537	6895	7617	8203	13425
3	Redgram	6313	6256	7240	8201	10506
4	P.Cowpea	5894	6085	7417	7512	8250
5	P.Peas	3946	5202	5493	6119	8392
6	Gram	4512	7833	5484	5229	7206
7	Lentil	5259	6858	7051	7972	11745
	OILSEEDS					
1	Soyabean	3620	4969	5361	7414	6713
2	Groundnut	5416	5443	6593	5370	9956
3	Mustard	4814	5816	5331	5229	6454
4	Toria	4473	5922	6160	5229	5904
	FODDER					
1	Sorghum	3397	3688	4135	4975	5677
2	Cowpea	6900	8000	8750	9120	0
3	Maize	3970	4262	4556	4615	4810
	GREEN MANURE					
1	Daincha	4472	3955	4823	3863	3877
2	Sunhemp	2095	5470	7191	6066	5147
	FIBRE					
1	Jute	6142	6418	9029	9500	9799

S.No.	Grades of Fertilizers	Highest Maximum Retail Price (MRP) in Rs/MT of P&K fertilizers fixed by the fertilizer companies under the Nutrient Based Subsidy regime																											
		10-11(Qtr. Wise)				11-12(Qtr. Wise)				2012-13(Qtr. Wise)				2013-14 (Qtr. Wise)				2014-15 (Qtr. Wise)				2015-16 (Qtr. Wise)							
		I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV				
1	DAP :18-46-0-0	9950	9950	9950	10750	12500	18200	20297	20000	24800	26500	26500	26500	26520	25000	24607	24607	24080	24080	25220	25100	24699	25064	25197	25120				
2	MAP : 11-52-0-0	9950	NA	NA	NA	18200	20000	20000	20000	20000	24200	24200	24200	NA	NA	NA	NA	0	0	0	0	0	0	0	0				
3	TSP-0-46-0-0	8057	8057	8057	8057	8057	8057	17000	17000	17000	17000	17000	17000	17000	17000	17000	17000	17000	17000	17000	17000	17000	17000	17000	17000				
4	MOP :0-0-60-0	5055	5055	5055	5055	5055	5055	11300	12040	16895	23100	24000	24000	18638	17750	17750	17750	17892	17892	17892	16890	16507	16548	16510	16492				
5	16-20-0-13	6620	6620	6620	7200	9845	14400	15300	15300	15300	18200	18200	18200	17280	17710	17510	17010	17940	17940	18560	18560	18273.85	18230	18022	16258				
6	20-20-0-13	7260	7260	7395	8095	11400	14800	15800	15800	19000	24800	19176	24800	20490	19166	23500	23500	19710	22046.17	23123.73	19280	18536.21	18585	18614	18630				
7	23-23-0-0	NA	NA	NA	7445	7445	7445	7445	7445	Excluded from NBS Policy																			
8	10-26-26-0	8197	NA	8300	10103	10910	16000	16633	16386	21900	22225	22225	22225	22213	22200	21160	21160	22260	22370	23729.4	23729.4	22513	22574	22587	22820				
9	12-32-16-0	8637	8237	8637	9437	11313	16400	16500	16400	22300	23300	22500	24000	23300	23300	21475	21105	22580	22580	22801	22843.5	22589	22492	22473	22976				
10	14-28-14-0	NA	NA	NA	NA	14950	17029	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0	0	0	0	0	0	0	0				
11	14-35-14-0	NA	NA	NA	9900	11622	15148	17424	17600	17600	23300	23300	23300	23300	23300	21810	21810	23340	23340	24380	24380	24052.61	24746	25255	25201				
12	15-15-15-0	NA	NA	NA	7421	8200	11000	11500	11500	13000	15600	15600	15600	15600	15150	15150	15150	16884	17625	18100	18100	17427	17300	17300	18625				
13	AS: 20.3-0-0-23	8600	8600	7600	8700	7600	11300	10306	10306	11013	11013	11013	11013	11106	11106	11184	11689	13020	13020	13550	13550	12495	13040	13125	13131				
14	20-20-0-0	5943	NA	6243	7643	9861	14000	15500	18700	18700	24450	24450	18500	15861	15262	18000	18000	16910	16677	17920	17620	18872.72	17427	17300	18625				
15	28-28-0-0	NA	NA	1181	1181	15740	18512	18512	18700	24720	23905	23905	23905	23905	23410	21907	21907	23100	23100	24380	24260	24087.31	24778	25262.029	25257				
16	17-17-17-0	NA	NA	NA	NA	NA	NA	NA	17710	20427	20522	20572	20672	20672	22947	24013	23231	23231.48	23231.48	23231.48	23231.48	22073	23231	22966	22966				
17	19-19-19-0	NA	NA	NA	NA	NA	NA	NA	18093	19470	19470	19470	19470	NA	0	20915	20915	20915	0	22700	22700	23145.42	22243	23124	23772				
18	SSP(0-16-0-11)*	3200	3200	3200	3200	3200	3200	4000 to 6300	4000 to 6300	6500 to 7500	6500 to 7500	6500 to 7500	6500 to 7500	6200-9900	9270	10300	9270	9600	10300	12435	10500	7137	7197	7146	7212				
19	16-16-16-0	NA	NA	7100	7100	7100	7100	15200	15200	15200	24938	24938	24938	24938	18000	18000	17000	18000	18000	18000	18000	18116	18609	18609	18609				
20	DAP Iite (16-44-0-0)	NA	NA	NA	NA	11760	17600	19500	19500	19500	24938	24938	24938	24938	23875	22900	22000	0	0	0	0	0	0	0	0				
21	15-15-15-09	6800	6800	9000	12900	15750	14851	14851	14851	15000	15000	15000	15000	NA	0	15670	15670	16618	16454	18214	16890	18388	18413	18409	18345				
22	24-24-0-0	7768	9000	11550	14151	14297	16223	16223	16223	14802	16223	16223	16223	18857	17896	17896	17896	20040	19840	0	0	22401	22457	22346	22388				
23	24-24-0-8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	19860	21000	21100	21940	21951.79	22122	22195	22257				
24	13-33-0-6	NA	NA	NA	16200	17400	17400	17400	17400	17400	17400	17400	17400	17400	17400	17400	17400	17400	17400	17400	17400	17400	17400	17400	17400				
25	MAP Iite (11-44-0-0)	NA	NA	NA	16000	16000	16000	16000	16000	16000	21500	21500	21500	21500	18300	18300	18300	18300	18300	18300	18300	18300	18300	18300	18300				
26	DAP Iite-II(14-46-0-0)	NA	NA	NA	14900	14900	14900	14900	14900	14900	14900	14900	14900	14900	14900	14900	14900	14900	14900	14900	14900	14900	14900	14900	14900				

MRP is exclusive of Taxes

Fertilizers grade mentioned at Sr.No 7,24,25,26 are not under subsidy scheme presently.

Blank space/NA means not available in the market/not under subsidy scheme.

Chapter 4

Productivity in Public Enterprises

Productivity, in turn, is the measure of efficiency in use of resources (or inputs) in the production of various goods and services. A comparison with the peer group or a historical comparison brings out the trend in productivity i.e. the improvement/deterioration in condition during the period under consideration. Some of the important indicators used for assessing 'productivity' are capacity utilization, inventory in relation to sales and energy use in the enterprise.

The Central Public Sector Enterprises (CPSEs) are technologically complex identities involving large scale production. CPSEs in the industrial sector, manufacturing, mining and electricity, in particular, are capital intensive and are characterized by higher productivity per unit of input/hour. Productivity is, however, influenced by both endogenous and exogenous factors. While endogenous factors comprise of higher technology, quality of labour, scale of output and good management practices, the exogenous factors comprise of interest rates, tax policies, infrastructure facilities, weather conditions, law and order

condition and the overall state of the economy.

4.1 Capacity Utilization

Capacity utilization in these reports has been measured based on the installed/rated capacity. Wherever installed/rated capacity is not available for various reasons, the assessment of the management vis-à-vis capacity utilization in the enterprises has been accepted. In the case of multiple product units, capacity utilization has been worked out with reference to major products.

The detailed enterprises-wise statement, indicating the unit-wise capacity utilization for major products during the last three years is given in the section on Statements & Appendices at the end of this Volume (Statement No.16). The paragraphs below discuss enterprise-wise rated capacity and extent of utilization of some of the CPSEs under the various cognate groups.

4.1.1 IRON & STEEL

The Information on capacity utilization for the last three years in respect of five CPSEs is presented in the Table below:-

Table 4.1.1

Sl. No	CPSE	Product	Installed Capacity (2015-16)	Capacity Utilization (%)		
				2015-16	2014-15	2013-14
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	Steel Authority of India Limited	Saleable Steel	15.1 ml.t	82	116	116
2	Ferro Scrap Nigam Ltd.	Processing of Scrap	11.78 lakh MT	97.28	96.34	95.83

3	Rashtriya Ispat Nigam Ltd	Saleable steel	4,812,729 tonnes	73	57	94
		Bar Products	711,833 tonnes	117	110	123
		Pig Iron	554,538 tonnes	21	43	59
		Wire Rods	1,453,122 tonnes	78	66	100
		Structural Products	846,172 tonnes	94	97	110
4	Mishra Dhatu Nigam Ltd.	Super alloys, Special Steels	5205 MT	100	100	100
5	Sail Refractory Company Ltd.	Calcined Products	11,874 MT	39	60	96
		Fired Bricks	15,593 MT	72	89	93
		Mag Carbon Bricks	4,338 MT	110	104	99

(MT — Metric Tonne; ml.t — Million Tonne)

- Steel Authority of India Limited produced 12.38 Million Tonnes of Saleable Steel during 2015-16 as against the production of 12.84 Million Tonnes of Saleable Steel during the previous year.
- Ferro Scrap Nigam Limited processed 11.46 Lakh MT of scrap during 2015-16 as against 11.31 Lakh MT during the previous year.
- Rashtriya Ispat Nigam Limited produced 35,13,292 tonnes of Saleable Steel, 8,32,845 tonnes of Bar Products, 1,16,453 Tonnes of Pig Iron, 11,33,435 tonnes of Wire Rods and 7,95,402 tonnes of Structural Products during 2015-16 as against the production of 30,17,083 tonnes of Saleable Steel, 7,82,472 tonnes of Bar Products, 2,38,776 tonnes of Pig Iron, 9,55,328 tonnes of Wire Rods and 8,26,384 Tonnes of Structural Products during the previous year.
- Mishra Dhatu Nigam Limited produced 5,205 MT of Super alloys and Special Steels during 2015-16 as against the 4,732 MT during the previous year.
- Sail Refractory Company Limited produced 4,631 MT of Calcined Products, 11,227 MT of Fired Bricks and 4,772 MT of Mag Carbon Bricks during 2015-16 as against the 7,170 MT of Calcined Products, 13,842 MT of Fired Bricks and 4,502 MT of Mag Carbon Bricks during the previous year.

4.1.2 MINERALS AND METALS

The information in respect of five CPSEs is presented in the Table below: -

Table 4.1.2

Sl.No.	CPSE	Product	Installed Capacity (2015-16)	Capacity Utilisation (%)		
				2015-16	2014-15	2013-14
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	Indian Rare Earths Ltd.	Ilmenite	5,15,053 Tonne	47	50	41
		Rutile	25,097 Tonne	39	38	31
		Zircon	35,950 Tonne	30	30	25

2	FCI Aravali Gypsum & Minerals Ltd	Gypsum	1,152,904MT	55	95	78
3	Hindustan Copper Limited	Cathode	18,507 MT	92	82	92
		Copper Wire Rod	60,720 MT	35	28	25
4	KIOCL Limited	Iron Ore Pellets	3.33 Million Tonnes	3	22	49
5	NMDC Limited	Diamonds	98,772 Carats	36	35	37
		Iron Ore	32.1 Million Tonnes	89	95	94
		Sponge Iron	60,127 Tonnes	11	48	50

(MT — Metric Tonne)

- Indian Rare Earths Ltd. produced 2,42,075 tonne Ilmenite, 9,788 tonne rutile and 10,785 tonne zircon during the year 2015-16. The corresponding figures for the previous year were 2,52,976 tonne Ilmenite, 9,501 tonne rutile and 10,673 tonne zircon.
- FCI Aravali Gypsum & Minerals India Limited produced 6,34,097 MT of Gypsum during 2015-16 as compared to 10,26,379 MT of Gypsum in 2014-15.
- Hindustan Copper Limited produced 17,026 MT of Cathode and 21,252 MT of Copper Wire Rod during 2015-16 as compared to 15,243 MT of Cathode, and 16,682 MT of Copper Wire Rod in 2014-15.
- KIOCL Limited produced 0.100 million tonne of iron ore pellets during 2015-16 as compared to 0.785 million tonne in 2014-15.
- NMDC Limited produced 35,558 carats of Diamonds, 28.57 million tonnes of Iron Ore and 6,614 tonnes of Sponge Iron during the year 2015-16 as compared to 35,085 Carats of Diamonds, 30.44 million tonnes of Iron Ore and 28,994 tonnes of Sponge Iron in 2014-15.

4.1.3 COAL AND LIGNITE

The information on capacity utilization for the last three years in respect of eight CPSEs is presented in the Table below:-

Table 4.1.3

Sl.No.	CPSE	Product	Installed Capacity (2014-15)	Capacity Utilisation (%)		
				2015-16	2014-15	2013-14
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	Coal India Limited	Coal	1,313,514 Metric Tonnes	37	59	50
2	Northern Coalfields Limited	Coal	111.8 Million Tonnes	72	69	68
3	Central Coalfields Ltd.	Coal	53 MT	116	97	89
4	Eastern Coalfields Ltd.	Coal	346.5 LT	116	107	131
5	South Eastern Coalfields Ltd.	Coal	143.68 MT	96	94	99
6	Western Coalfields Ltd.	Coal	46.88 MT	96	104	93
7	Bharat Coking Coal Limited	Raw Coal	39.43 MT	91	77	85
		Washed Coal	2.57 MT	23	14	20
8	NLC India Limited	Lignite	30.6 MT	83	87	87

(MT- Million Tonne, LT- Lakh Tonne)

- Coal India Limited produced 4,86,000 Metric Tonnes of coal in 2015-16 as compared to 7,79,000 Metric Tonnes in the previous year.
- Northern Coalfields Limited produced 80.22 MT of coal during the year 2015-16 as compared to 72.48 MT in the previous year.
- Central Coalfields Limited produced 61.324 MT of Coal during the year 2015-16 as compared to 55.652 MT in the previous year.
- Eastern Coalfields Limited produced 402.08 LT of Coal during the year 2015-16 as compared to 400.06 LT in the previous year.
- South Eastern Coalfields Limited produced 137.93 Million Tonnes of Coal during the year 2015-16 as compared 128.28 Million Tonnes during the previous year.
- Western Coalfields Limited produced 45 Million Tonnes of Coal during the year 2015-16 as compared to 41 Million Tonnes during the previous year.
- Bharat Coking Coal Limited produced 35.861 MT of Raw Coal and 0.599 MT of Washed Coal during the year 2015-16 as against the production of 34.512 MT of Raw Coal and 0.385 MT of Washed Coal during the year 2014-15
- NLC India Limited produced 25.45 MT of Lignite during the year 2015-16 as against the production of 26.54 MT of Lignite during 2014-15

4.1.4 ELECTRICITY

The information in respect of ten CPSEs for the last three years is given in the Table below :-

Table 4.1.4

Sl.No.	CPSE	Product	Installed Capacity (2015-16)	Capacity Utilisation (%)		
				2015-16	2014-15	2013-14
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	NTPC Limited	Electricity	307,817 MU	78.61	80.23	81.50
2	NHDC Limited	Electricity	3,152 MU	93	90	93
3	North Eastern Electric Power Corporation Ltd.	Electricity	6,327 MU	83	79	83
4	Nuclear Power Corporation of India	Electricity	49,941 MU	75	82	83
5	NHPC Limited	Electricity	29,023 MU	82	77	78
6	SJVN Limited	Electricity	9,018 MU	104	106	105
7	THDC India Ltd.	Electricity	5,721 MU	76	76	79
8	NLC India Limited	Power	27,881 MU	69	82	83
9	NLC Tamil Nadu Power Limited	Electricity	8,784 MU	42	NA	NA
10	Kanti Bijlee Utpadan Nigam Ltd.	Electricity	1,932.42 MU	40	66	80

(MU — Million Units)

- NTPC Limited generated 2,41,975 Million Units of Electricity during 2015-16 as against 2,41,262 Million Units during the previous year.
- NHDC Limited generated 2,933 Million Units of Electricity during 2015-16 as against 3,691 Million Units of Electricity during the previous year.

- North Eastern Electric Power Corporation Ltd. generated 5220 Million Units of Electricity during 2015-16 as compared to 4,356 Million Units in the previous year.
- Nuclear Power Corporation of India Ltd. generated 37,456 Million Units of Electrical Power during 2015-16 as compared to 37,835 Million Units in the previous year.
- NHPC Limited generated 23,683 Million Units of Electricity during 2015-16 as compared to 22,038 Million Units in the previous year.
- SJVN Limited generated 9346 MU of electricity during the year 2015-16 as compared to 8136 MU during the previous year.
- THDC India Limited generated 4,348 Million Units of Electricity during 2015-16 as compared to 4,214 Million Units in the previous year.
- NLC India Limited generated 19,182 MU of power during the year 2015-16 as compared to 19,729 MU during the previous year.
- NLC Tamil Nadu Power Limited generated 3,655 MU of Electricity during 2015-16.
- Kanti Bijlee Utpadan Nigam Ltd. generated 778.96 MU of power during the year 2015-16 as compared to 875.13 MU during the previous year.

4.1.5 PETROLEUM

The information in respect of eight CPSEs for the last three years is given in the Table below:

Table: 4.1.5

Sl.No.	CPSE	Product	Installed Capacity (2015-16)	Capacity Utilisation (%)		
				2015-16	2014-15	2013-14
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	GAIL (India) Limited	LHC	1,506,751 MT	72	85	86
		Petrochemicals	811.9 KTA	42	109	106
2	Mangalore Refinery and Petrochemicals Ltd.	Crude	15 MMT	105	98	97
3	Bharat Petroleum Corporation Ltd.	Crude	21.50 MMT	112	109	109
		Benzene	1,92,913MT	49	40	19
		Toulene	73,114 MT	25	34	23
		Lubricants	248431 MT	119	116	104
		Sulphur	117670 MT	76	79	79
4	Indian Oil Corporation Limited	Crude	56 MMT	102	99	98
5	Chennai Petroleum Corporation Ltd.	ATF	780 TMT	82	90	86
		Gasoline	950 TMT	101	111	105
		HSD	4,525 TMT	86	99	93
		LPG	400 TMT	75	86	90
		SKO	450 TMT	72	87	82

6	Gail Gas Ltd.	CNG / PNG	3,803 MMSCM	19	21	21
7	Hindustan Petroleum Corpn. Ltd.	Petroleum	14,855 TMT	116	109	105
8	Numaligarh Refinery Ltd.	LPG, Petrochemical Grade Naphtha (Pcn),Fuel Grade	3000 TMTPA	84	93	87

(TMT — Thousand Metric Tonne; MMT — Million Metric Tonne; MT — Metric Tonne; MMSCM — Million Metric Standard Cubic Meter per Day; TMTPA — Thousand Metric Tonne per Annum; KTA - Kilo Tonnes per Annum)

- GAIL (India) Ltd. Produced 10,88,778 MT of LHC and 341 KTA of Petrochemicals during 2015-16 as compared to 12,76,805 MT of LHC and 447 KTA during the previous year.
- During 2015-16, Mangalore Refinery and Petrochemicals Ltd. processed 15.69 MMT crude as compared to 14.65 MMT in previous year.
- During 2015-16, Bharat Petroleum Corporation Ltd. procure 24.12 MMT of crude, 95,222 MT of Benzene, 18,264 MT of Toluene, 2,95,509 MT of Lubricants and 88,841 MT of Sulphur as compared to 23.36 MMT of crude, 78,064 MT of Benzene, 25,215 MT of Toluene, 2,87,649 MT of Lubricants and 93,105 MT of Sulphur respectively in previous year.
- Indian Oil Corporation Limited processed 56.69 MMT of crude during the year 2015-16 as compared to 53.59 MMT during the previous year.
- Chennai Petroleum Corporation Ltd. produced 643 TMT of ATF, 955 TMT of Gasoline, 3,878 TMT of HSD, 301 TMT of LPG and 322 TMT of SKO during the year 2015-16 as compared to 704 TMT of ATF, 1050 TMT of Gasoline, 4,474 TMT of HSD, 343 TMT of LPG and 393 TMT of SKO respectively in previous year.
- Gail Gas Ltd. produced 740 MMSCM of CNG/ PNG during the year 2015-16 as compared to 557 MMSCM of CNG PNG respectively in previous year.
- Hindustan Petroleum Corpn. Ltd. processed 17,232 TMT of crude during the year 2015-16 as compared to 16,178 TMT during the previous year.
- Numaligarh Refinery Ltd. produced 2520 TMTPA of LPG, Petrochemical Grade Naphtha, Fuel Grade during the year 2015-16 as compared to 2,777 TMTPA of LPG, Petrochemical Grade Naphtha, Fuel Grade during the previous year.

4.1.6 FERTILIZERS

The capacity utilization by the five CPSEs during the last 3 years is given in the Table below:-

Table 4.1.6

SI.No.	CPSE	Product	Installed Capacity (2015-16)	Capacity Utilisation (%)		
				2015-16	2014-15	2013-14
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	Brahmaputra Valley Fertilizer Corporation Ltd.	Urea	389,998 MT	83	92	78
2	Madras Fertilizers Ltd.	NPK	840,966 MT	4	9	5
		Urea	4,86,807 MT	84	67	100
		Bio Fertilizers	400 MT	69	87	37

3	National Fertilizers Ltd.	Bio Fertilizers	600 MT	95	84	93
		Urea	35.68 LMT	106	102	102
4	Rashtriya Chemicals & Fertilizers Ltd.	Urea Thal	19,78,113 MT	106	110	101
		Suphala (15:15:15)	4,19,441 MT	110	94	79
		ANP (20:20:0)	2,69,792 MT	65	96	68
		Concentrated Nitric Acid	32,867 MT	72	78	61
		Urea Trombay	3,30,544 MT	136	128	107
5	Fertilizers & Chemicals (Travancore) Ltd.	Ammonium Sulphate	2,25,020 MT	35	53	79
		Factamfos	6,33,524 MT	81	97	105

(MT — Metric Tonne, LMT - Lakh)

- Brahmaputra Valley Fertilizer Corporation Ltd. Produced 3,22,645 MT of urea during 2015-16 as against the production of 3,59,003 MT during the previous year.
- Madras Fertilizers Ltd. produced 34,816 MT of NPK, 277 MT of Bio-fertilizers and 4,07,311 MT of Urea during 2015-16. The corresponding production figures for the previous year were 74,272 MT of NPK, 349 MT of Bio-fertilizers and 3,27,933 MT of Urea.
- National Fertilizers Ltd. produced 37.99 lakh MT of urea and 567 MT of Bio-fertilizers during 2015-16 as against the production of 36.39 lakh MT of urea and 505 MT of Bio-fertilizers during the previous year.
- Rashtriya Chemicals & Fertilizers Ltd. produced 20,96,800 MT of Urea Thal, 4,61,385 MT of Suphala, 1,75,365 MT of ANP, 23,664 MT of Concentrated Nitric Acid and 4,49,540 MT of Urea Trombay during 2015-16 as against the production of 21,78,010 MT of Urea Thal, 3,96,810 MT of Suphala, 2,60,520 MT of ANP, 25,681 MT of Concentrated Nitric Acid and 4,23,480 MT of Urea Trombay during the previous year.
- Fertilizers & Chemicals (Travancore) Ltd. produced 79,567 MT of Ammonium Sulphate and 515,435 MT of FACTAMFOS during 2015-16 as against the production of 120,360 MT of Ammonium Sulphate and 614,004 MT of FACTAMFOS during the previous year.

4.1.7 CHEMICALS AND PHARMACEUTICALS

The details of capacity utilization in respect of eight CPSEs are given below:-

Table 4.1.7

Sl.No.	CPSE	Product	Installed Capacity (2014-15)	Capacity Utilisation (%)		
				2015-16	2014-15	2013-14
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	Hindustan Antibiotics Limited.	Formulation	5905 Lacs	20	30	48
2	Hindustan Fluorocarbons Ltd.	PTFE	513 MT	8	21	36

3	Hindustan Organic Chemicals Ltd.	Phenol, Acetone, Hydrogen Peroxide, Formadehyde	235,500 MT	11	19	21
4	Indian Medicines & Pharmaceutical Corpn. Ltd.	Ayurvedic and Unani Medicines	21,23,506 Kg/Ltrs	34	44	52
5	Karnataka Antibiotics & Pharmaceuticals Ltd.	Vials	616 lakhs.	89	93	82
		Tablets	1.43 lakhs	10998	7191	7587
		Capsules	1000 lakhs	223	143	148
6	Bengal Chemicals & Pharmaceuticals Ltd.	Alum Ferric	8036 MT	56	69	33
7	Brahamputra Crackers & Polymer Ltd.	LLDPE/HDPE/PP	67,794 MT	5	0	0
8	Goa Antibiotics & Pharmaceuticals Ltd.	Capsules	177857143 in nos.	14	82	24
		Syrup	1810204 Ltrs.	49	56	67
		Tablets	240000000 nos.	72	64	73
		Vials	14998897 nos.	45	27	32

(L — Litres; MT — Metric Tonne)

- Hindustan Antibiotics Limited produced 1181 lacs of Formulation during the year 2015-16. The comparative figures for the previous year were 1,783 lacs of Formulation
- Hindustan Fluorocarbons Ltd. produced 41 MT PTFE (Poly Tetra Fluoro ethylene) during 2015-16 as against the production of 106 MT during the previous year.
- Hindustan Organic Chemicals Ltd. produced 25,905 MT of Phenol, Acetone, Hydrogen Peroxide and Formadehyde during the year 2015-16 as compared to 45,847 MT during the previous year.
- Indian Medicines & Pharmaceutical Corpn. Ltd. produced 721,992 Kg/Ltrs. of Ayurvedic and Unani Medicines during the year 2015-16 as compared to 622,896 Kg/Ltrs. during the previous year.
- Karnataka Antibiotics & Pharmaceuticals Ltd. produced 548 lakhs vials, 157 lakhs tablets, and 2230 lakhs capsules during 2015-16. The company produced 572 lakhs vials, 120 lakhs tablets, and 1290 lakhs capsules during 2014-15.
- Bengal Chemicals & Pharmaceuticals Ltd.

produced 4500 MT of Alum Ferric during 2015-16. The company produced of 5600 MT of Alum Ferric during 2014-15.

- Brahamputra Crackers & Polymer Ltd. produced 3349 MT of LLDPE/HDPE/PP during 2015-16.
- Goa Antibiotics & Pharmaceuticals Ltd. produced 2,49,00,000 No. of Capsules, 8,87,000 Ltrs of Syrup, 17,28,00,000 nos. of Tablets and 68,02,000 nos. of Vials during the year 2015-16. The company produced 14,78,00,000 No. of Capsules, 10,00,000 Ltrs of Syrup, 15,43,00,000 nos. of Tablets and 41,00,000 nos. of Vials during the year 2014-15.

4.1.8 HEAVY ENGINEERING

The information in respect of six CPSEs for last 3 years is tabulated below:-

Table 4.1.8

Sl.No.	CPSE	Product	Installed Capacity (2015-16)	Capacity Utilisation (%)		
				2015-16	2014-15	2013-14
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	Braithwaite & Co Ltd	Wagon	1200 Nos	44	62	115
		Bogie	1800 Nos	60	84	83
2	Bharat Heavy Electricals Ltd.	Boiler	8,23,282 MT	39	38	39
		Electrical Machines	2,273 Nos.	40	41	43
		Power Transformer	45,109 MVA	69	42	75
		Traction Machines	3,175 Nos.	52	60	62
		Turbine-ref hard copy	20,427 MW	22	32	47
3	Bharat Wagon & Engg. Co. Ltd	Railway wagon	900 VU	4	5	35
		Railway wagon & rehabilitation of wagons	875 VU	4	5	35
4	BHEL Electrical Machines Ltd.	Rotating Electrical Machinery	169,413 KVA	69	70	124
5	Burn Standard Company Ltd.	Wagons	2279 Nos.	14	100	65
6	Heavy Engineering Corpn. Ltd.	24/96 Dragline	1960 Tons	10	30	49
		5 Cum Rope shovel	4,071 Tons	7	22	41
		EOT Cranes	6,940 Tons	55	39	53
		Forging & Forged Rolls	9829 Tons	13	16	19
		Medium & Heavy Steel casting	16,381 Tons	10	13	14
		Steel Plant Items/components	2001 Tons	22	33	80

(MT- Metric Tonne, KVA — Kilo Volt Ampere, VU — Volume Unit, MW — Mega Watt, MVA — Mega Volt Ampere)

- Braithwaite & Co. Ltd. constructed 526 Nos of Wagon and 1078 Nos of Bogie during the year 2015-16. The corresponding figures during the previous year was 738 nos. and 1514 nos. respectively.
- Bharat Heavy Electricals Ltd. produced 321,080 MT of Boilers, 909 Nos. Electrical Machines, 31,125 MVA of Power Transformer, 1,651 Nos. of Traction Machines and 4494 MW of Turbine-ref hard copy during the year 2015-16. The Company produced 320,540 MT of Boilers, 916 Nos. Electrical Machines, 18,711 MVA of Power Transformer, 1,921 Nos. of Traction Machines and 6384 MW of Turbine-ref hard copy during the year 2014-15.
- Bharat Wagon & Engg. Co. Ltd. constructed 36 VU of Railway wagon and 35 VU Railway wagon & rehabilitation of wagons during the year 2015-16. The corresponding figure during the previous year was 46 VU and 46 VU respectively.
- BHEL Electrical Machines Ltd. produced 116,895 KVA of Rotating Electrical Machinery during 2015-16. The company produced of

117,559 KVA of Rotating Electrical Machinery during 2014-15.

- Burn Standard Company Limited produced 319 Nos. Wagons during the year 2015-16. The company produced 100 Nos. of Wagons during 2014-15.
- Heavy Engineering Corpn. Ltd. produced 188 Tons of 24/96 Dragline, 274 Tons of 5 Cum Rope shovel, 3,851 Tons of EOT Cranes, 1,321 Tons of Forging & Forged Rolls, 1,702 Tons of Medium & Heavy Steel casting and 437 Tons of Steel Plant Items/components during

the year 2015-16. The Company Produced 585 Tons of 24/96 Dragline, 876 Tons of 5 Cum Rope shovel, 2,730 Tons of EOT Cranes, 1,591 Tons of Forging & Forged Rolls, 2,068 Tons of Medium & Heavy Steel casting and 651 Tons of Steel Plant Items/components during the year 2014-15.

4.1.9 MEDIUM AND LIGHT ENGINEERING

The details of capacity utilization in respect of nine CPSEs for the last 3 years are given in the Table below: -

Table 4.1.9

Sl.No.	CPSE	Product	Installed Capacity (2015-16)	Capacity Utilisation (%)		
				2015-16	2014-15	2013-14
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	ITI Limited	SMPS Modules	2404 nos.	57	51.25	6.71
		NPR / SECC Data entry Services	252 Million nos..	2.62	2.6	19.13
		ROs Services	25,001 Misc. Services	58	63	60
		Defence Telephone Instruments	20,000 nos.	1.5	2.42	79.83
2	Andrew Yule & Company Ltd.	Tea	116 Lakh KG	100	94	97
3	Instrumentation Limited	Process Control instruments and C and I Business	36,197 Value	30	30	30
4	Rajasthan Electronics & Instruments Limited	Electronic Milk Analyzers	4499 Nos.	212	202	166
		SPV Modules Systems	18,846 kwp	39	47	38
5	Balmer Lawrie & Co. Ltd.	Barrels And Drums	50.69 Lakhs	83	77	92
		Greases And Lubricants	0.71 MT/ KL Lakhs	51	54	59
		Leather Chemicals	3,037 MT	198	256	248
6	Central Electronics Limited	Axle Counters	2,500 Nos.	39	34	35
		Phase Shifters	40,001 Nos.	90	96	91
		Solar PV Modules	25,001 MW	40	24	26
7	HMT Limited	Food Processing Machinery	296 Nos.	71	79	53
		Tractors	3,014 Nos.	21	20	30
8	HMT Machine Tools Limited	Manufacturing of Machine Tools	772 Nos.	60	60	45
9	VIGNYAN INDUSTRIES LTD.	Steel Castings	10,018 MT	22	22	23

(KL — Kilo Liters; MWp — Mega Watt Peak; KWp — Kilo Watt Peak; MT — Metric Tonne)

- ITI Limited produced 1,370 Nos. SMPS (Switch Mode Power Supply) Modules, 6.6 Million Nos. NPR / SECC Data entry Services, 14,503 ROs Services, and 300 Nos. Defence Telephone Instruments during 2015-16 as compared to 1,230 Nos. SMPS (Switch Mode Power Supply) Modules, 6.47 Million Nos. NPR / SECC Data entry Services, 15,809 ROs Services, and 484 Nos. Defence Telephone Instruments during 2014-15.
- Andrew Yule & Company Limited produced 116 Lakh Kg of tea during year 2015-16 as compared to 105 Lakh Kg of tea in the previous year.
- Instrumentation Limited produced 10,859 of Process Control instruments and C and I Business during year 2015-16 as compared to 15,192 Process Control instruments and C and I Business in the previous year.
- Rajasthan Electronics & Instrument Ltd produced 9,537 Nos. of EMA(Electronic Milk Analyser) and 7,350 KWP of SPV (Solar Photo Voltaic) Modules Systems during 2015-16 as against 9,111 Nos. of EMA and 9,005 KWP of SPV Modules Systems in the previous year.
- Balmer Lawrie & Co. Ltd. produced 42.07 lakhs of Barrels And Drums, 0.36 MT/KL of Greases And Lubricants and 6,014 MT of Leather Chemicals during the year 2015-16 as against the production of 42.30 lakhs of Barrels And Drums, 0.37 MT/KL of Greases And Lubricants and 7,782 MT of Leather Chemicals during the previous year 2014-15.
- Central Electronics Limited produced 976 Nos. Axle Counters, 36,041 Nos. Phase Shifters and 10,023 MW of Solar PV Modules during 2015-16 as against 855 Nos. Axle Counters, 38,210 Nos. Phase Shifters and 3,545 MW of Solar PV Modules in the previous year.
- HMT Limited produced 210 Nos. of Food Processing Machinery and 633 Nos. of Tractors during 2015-16 as against 232 Nos. of Food Processing Machinery and 1,078 Nos. of Tractors in the previous year.
- HMT Machine Tools Limited Manufactured 463 Nos. of Machine Tools during year 2015-16 as compared to 480 Nos. of Machine Tools in the previous year.
- Vignyan Industries Ltd. produced 2,204 MT of Steel Castings during year 2015-16 as compared to 2,240 MT of Steel Castings in the previous year.

4.1.10 TRANSPORTATION EQUIPMENT

The position of capacity utilization in respect of six CPSEs for the last 3 years is given in the Table below:

Table 4.1.10

Sl.No.	CPSE	Product	Installed Capacity (2015-16)	Capacity Utilisation (%)		
				2015-16	2014-15	2013-14
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	Cochin Shipyard Ltd.	Ship Building	1,50,245 DWT	101	103	103
2	Goa Shipyard Ltd.	Shipbuilding	0.99 SSU	123	87	98
3	Hindustan Shipyard Ltd.	Shipbuilding	75,251 DWT	48	47	51
4	Hindustan Aeronautics Ltd.	Manufacture of aircraft and helicopter and ROH	271 Lakh SMH	106	110	122
5	Mazagon Dock Ltd.	Warships and Submarines	0.97 Effective Frigate Unit	95	96	98

6	Garden Reach Shipbuilders & Engineers Ltd	Ship Building	3,229 Tonne	87	111	104
		Deck Machinery & Pumps	100 No.	58	45	57
		General Engineering	3,597 MT	110	99	74
		Diesel Engine	100 Nos.	2	15	1

(SSU — Standard Ship Unit; DWT — Dead Weight Tonnage; SMH — Standard Man Hours)

- Cochin Shipyard Ltd. built 151747 DWT of ships during the year 2015-16 as compared to 154,695 DWT in the previous year.
- Hindustan Shipyard Ltd. built 36,030 DWT of ships during the year 2015-16 as compared to 35,556 DWT in the previous year.
- Goa Shipyard Limited produced 1.22 standard ship units in 2015-16 as compared to 0.861 Standard ship units in the previous year.
- Since the product-wise information in Hindustan Aeronautics Limited is of classified nature, the annual production is represented in terms of Standard Man Hours (SMH) in lakh. The production during 2015-16 was 287.37 lakh SMH as compared to 305.23 lakh SMH in the previous year.
- Mazagon Dock Ltd. built 0.92 EFU of Warships and Submarines during the year 2015-16 as compared to 0.93 EFU in the previous year.
- Garden Reach Shipbuilders & Engineers Ltd. produced 2,809 tons of Ship Building, 58 Nos. of Deck Machinery & Pumps, 3,957 MT of General Engineering and 2 Nos. of Diesel Engine during the year 2015-16 as against the production of 3,588 tons of Ship Building, 45 Nos. of Deck Machinery & Pumps, 3,591 MT of General Engineering and 13 Nos. of Diesel Engine in the previous year.

4.1.11 CONSUMER GOODS

The information relating to capacity utilization in respect of seven CPSEs for the last 3 years is given in the Table below:-

Table 4.1.11

Sl.No.	CPSE	Product	Installed Capacity (2015-16)	Capacity Utilization (%)		
				2015-16	2014-15	2013-14
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	HLL Lifecare Ltd.	Condoms	1889 M.Pcs	95	101	101
		Blood Bags	12.55 M.Pcs	94	100	92
		Copper T	5.51 M.Pcs	108	89	93
		Steroidal OCPs	98 Million Cycles	45	42	33
		Pregnancy Test Card	26 M. Pcs.	33	53	68
		Suture	5.97 LDoz	32	29	63
2	Hindustan Newsprint Ltd.	Newsprint	100001 MT	101	102	103

3	Hindustan Salts Ltd.	Bromine	900 MT	29	34	31
4	Security Printing and Minting Corpn. of India Ltd.	Circulation Coins	7,344 M.Pcs.	126	120	116
		Bank Notes	6,875 M.Pcs	104	127	121
		Non Judicial Stamp Paper	321 M.Pcs	90	129	128
		Passport and Allied Booklets	12.52 M.Pcs	122	85	50
5	Artificial Limbs Mfg. Corpn. Of India	Aids and Appliances	272,893 Nos.	100	100	100
6	Cement Corporation of India Limited	Cement	3,897,822 MT	23	24	21
7	NEPA Limited	Newsprint	88,004 MT	25	34	49

(M.Pcs — Million Pieces; MT — Metric Tonne; LDoz — Lakh Dozen)

- HLL Lifecare Ltd. (formerly Hindustan Latex Ltd.) produced 1795 million pieces of condoms, 11.80 million pieces of blood bags, 5.95 million pieces of Copper T, 8.55 million pieces of pregnancy test cards, 44.32 Million Cycles of Steroidal OCPs and 1.91 LDoz of Suture during the year 2015-16 as compared to 1819 million pieces of condoms, 12.52 million pieces of blood bags, 4.87 million pieces of Copper T, 13.67 million pieces of pregnancy test cards, 41.25 Million Cycles of Steroidal OCPs and 1.74 LDoz of Suture in the previous year.
- Hindustan Newsprint Ltd. produced 100501 MT of newsprint during the year 2015-16 as compared to 101986 MT during the previous year.
- Hindustan Salts Ltd. produced 264 MT Bromine during the year 2015-16 as compared to 310 MT during the previous year.
- Security Printing and Minting Corporation of India Ltd. produced 9254 Million pieces of Circulation Coins, 7150 Million pieces of Bank Notes, 15.277 Million pieces Passport and Allied Booklets and 289 Million pieces of Non-Judicial Stamp Paper during the year 2015-16 as compared to 7928 Million pieces of Circulation Coins, 8358 Million pieces of Bank Notes, 10.693 Million pieces Passport and Allied Booklets and 414 Million pieces of Non-Judicial Stamp Paper during the previous year.
- Artificial Limbs Mfg. Corpn. Of India produced 272,893 pieces of Aids and Appliances during the year 2015-16 as compared to 315,704 pieces during the previous year.
- Cement Corporation of India Limited produced 912,870 MT of cement during the year 2015-16 as compared to 952,685 MT during the previous year.
- NEPA Limited produced 21825 MT of newsprint during the year 2015-16 as compared to 30035 MT during the previous year.

4.1.12 TEXTILES

The Information on capacity utilization for the last three years in respect of one CPSEs is presented in the Table below:-

Table 4.1.12

Sl. No.	CPSE	Product	Installed Capacity (2015-16)	Capacity Utilization (%)		
				2015-16	2014-15	2013-14
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	National Textile Corpn. Ltd.	Yarn and Cloth	648.46 KGs and Mtrs	87	85	83

- National Textile Corpn. Ltd. produced 562.02 KGS and Mtrs of Yarn and Cloth during 2015-16 as against 518.54 KGS and Mtrs during the previous year.

4.1.13 CRUDE OIL

Information relating to production and capacity utilization in respect of four CPSEs for the last 3 years is given in the Tables below:-

Table 4.1.13

SI.No.	CPSE	Product	Unit	Production		
				2015-16	2014-15	2013-14
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	Oil and Natural Gas Corporation Ltd.	Crude Oil	MT	2,59,27,483	2,59,42,775	2,59,93,154
		Natural Gas	CUM	2,25,29,541	2,35,23,675	2,48,51,248
		LPG	MT	11,95,162	10,95,081	10,67,230
		Naphtha	MT	10,42,624	11,54,660	13,58,414
2	Oil India Ltd.	Crude Oil	MMT	3.247	3.440	3.502
		Natural Gas	MMSCM	2,838	2,722	2,626
		LPG	MT	41,030	43,570	46,640
3	ONGC Videsh Limited	Crude Oil	MMT	5.510	5.533	5.486
		Natural Gas	CUM	3.406	3.341	2.871
4	Prize Petroleum Company Limited	Crude Oil & Gas	Barrels	38,817	38,898	40,519

(MMT — Million Metric Tonne; CUM — Cubic Metre; KL — Kilo Litre; MMSCM — Million Metric Standard Cubic Metre; MT — Metric Tonne)

- Oil and Natural Gas Corporation Ltd. produced 2,59,27,483 MT of Crude Oil, 2,25,29,541 CUM of Natural Gas, 11,95,162 MT of LPG and 10,42,624 MT of Naphtha during 2015-16 as against 2,59,42,775 MT of Crude Oil, 2,35,23,675 CUM of Natural Gas, 10,95,081 MT of LPG and 11,54,660 MT of Naphtha during the previous year.
- Oil India Limited produced 3.247 MMT of Crude Oil, 2,838 MMSCM of Natural Gas and 41,030 MT of LPG during 2015-16 as against 3.440 MMT of Crude Oil, 2,722 MMSCM of Natural Gas and 43,570 MT of LPG during the previous year.
- ONGC Videsh Limited produced 5.510 MMT of Crude Oil and 3.406 BCM of Natural Gas during 2015-16 as against 5.533 MMT of Crude Oil and 3.341 BCM of Natural Gas during the

previous year.

- Prize Petroleum Company Limited produced 38,817 Barrels of Crude Oil & Gas as against 38,898 Barrels during the previous year.

4.2 INVENTORY MANAGEMENT

4.2.1 Overall Analysis

Inventory is an essential ingredient for companies to support their production line and customer requirements. Inventory requirements of a given company vary based on customer support requirements and type of business. Hence it differs from industry to industry and may vary from location to location. While the industry and service levels influence inventory practices, ratio of cost of production to average value of inventory termed as inventory turnover is frequently used to measure inventory management performance. This ratio

measures how far the inventory is moving through the firm and generating sales.

The inventory management in public enterprises has been increasing / decreasing over the years. The inventory level, which was 72 days cost of production / inventory turnover ratio as on 31.3.1997, had declined to 42 days of cost of

production / inventory turnover ratio as on 31.3.2004. However during last 12 years the inventory level has been increasing again as on 31.03.2016 it was 56 days. The overall position of inventory management during the last 20 years is depicted in the Table 4.2.1 below:

Table 4.2.1

Year ending	Value of Inventory (₹ in crore)	Cost of Production (₹ in crore)	Inventory Turnover Ratio	Inventory in No. of days
(1)	(2)	(3)	(3)/(2)	(2)/(3)*365 Or 365/(4)
			(4)	(5)
31.3.1997	40815	206658	5.06	72
31.3.1998	41661	218940	5.26	69
31.3.1999	44404	278720	6.28	58
31.3.2000	52414	354446	6.76	54
31.3.2001	50717	425100	8.38	44
31.3.2002	52175	431362	8.27	44
31.3.2003	58282	466444	8.00	46
31.3.2004	59705	513334	8.60	42
31.3.2005	73642	626427	8.51	43
31.3.2006	90885	714841	7.87	46
31.3.2007	101527	836922	8.24	44
31.3.2008	128688	958346	7.45	49
31.3.2009	126327	1147734	9.09	40
31.3.2010	161798	1087601	6.72	54
31.3.2011	191754	1293759	6.75	54
31.3.2012	233974	1558125	6.66	55
31.3.2013	230736	1586040	6.87	53
31.3.2014	252119	1678184	6.66	55
31.3.2015	215891	1589823	7.36	50
31.3.2016	207506	1358647	6.55	56

The above figures do not include inventory held by the Food Corporation of India and the Cotton Corporation of India Ltd. and Jute Corporation of India as these Corporations make large scale purchases and maintain stocks. Further, the public sector enterprises operating in Industrial Development and Technical Consultancy Services, Tourist Services, Financial Services have also been excluded from the review in this chapter.

4.2.2 Group-Wise Analysis

The public enterprises have been grouped into various cognate groups depending upon the nature of their activities. The analysis of inventory management is based on these groupings.

Table 4.2.2 below shows the level of inventory position in CPSEs cognate group wise during the last two years.

Table 4.2.2

Cognate Groups	Inventory as on 31.03.2016		Inventory as on 31.03.2015	
	Value (₹ in crore) 2015-16	Level of Inventory in No. of days	Value (₹ in crore) 2014-15	Level of Inventory in No. of days
(a) Agriculture Sector				
1. Agro-based Industries	348.61	137	281.98	92
For Agriculture Sector	348.61	137	281.98	92
(b) Electricity Sector				
1. Electricity Generation	9598.57	44	9274.71	42
2. Electricity Transmission	823.68	35	717.75	35
For Electricity Sector	10422.25	43	9992.46	41
(c) Manufacturing Sector				
1. Chemicals & Pharmaceuticals	746.7	44	306.14	80
2. Consumer Goods	2480.63	120	2132.86	101
3. Fertilizers	2372.09	44	2069.06	38
4. Heavy Engineering	9881.23	122	10407.12	126
5. Medium & Light Engineering	7194.53	157	5784.98	138
6. Petroleum (Refinery & Mktg.)	73902.21	33	83864.87	30
7. Steel	19362.98	126	23365.77	161
8. Textiles	361.5	80	341.5	72
9. Transportation Equipment	51639.34	706	51052.74	733
For Manufacturing Sector	167941.21	63	179325.04	55
(d) Mining Sector				
1. Coal	7587.93	44	6177.72	38
2. Crude Oil	7743.82	38	7886.74	35
3. Other Minerals & Metals	2770.21	76	3028.12	76
For Mining Sector	18101.96	44	17092.58	40
(e) Services Sector				
1. Contract & Construction Services	2414.42	48	2106.37	51
2. Telecommunication Services	5463.02	48	4558.94	39
3. Trading & Marketing Services	752.85	7	738.54	5
4. Transport Services	2061.95	18	1795.31	15
For Services Sector	10692.24	27	9199.16	21
For All Cognate Groups	207506.27	56	215891.22	50

The level of inventory has gone up in 14 sectors. Only in case of 5 sectors viz. Chemicals & Pharmaceuticals, Steel, Transportation Equipment, Heavy Engineering and Contract & Construction Services there is reduction in the level of inventory in terms of number of days cost of production / inventory turnover ratio.

Overall level of inventory which was 50 days cost of production/ inventory turnover ratio during 2014-15 has gone up to the level of 56 days cost of production/ inventory turnover ratio during

2015-16.

4.2.3 Agro-Based Industries

The value of inventory held by 5 companies belonging to this group was ₹ 348.61 crore at the end of 2015-16 as compared to ₹ 281.98 crore at the end of the previous year. The level of inventory was at the level of 137 days at the end of 2015-16 as compared to 92 days at the end of previous year. The company wise break-up of inventory is given in the Table 4.2.3 below:

Table 4.2.3

S. No.	Name of the Company	VALUE OF INVENTORY		COST OF PRODUCTION		No. of days	
		₹ in Crores)				Inv./CP*365	
		2015-16	2014-15	2015-16	2014-15	2015-16	2014-15
1	Andaman & Nicobar ISL. Forest & Plant.Dev. Corp.Ltd	1.39	1.89	26.17	25.64	19	27
2	Creda HPCL Biofuel Ltd.	0	0	0.48	1.44	0	0
3	HPCL Biofuels Ltd.	139.93	113.48	163.15	229.14	313	181
4	Indian Oil-Creda Biofuels Ltd.	0	0	0.19	13	0	0
5	National Seeds Corpn. Ltd.	207.29	166.61	738	852.91	103	71
SUB TOTAL :		348.61	281.98	927.99	1122.13	137	92

Of the 5 public enterprises under this group, one public enterprise could reduce the level of inventory during 2015-16 as compared to the previous year and the level of inventory increased in the case of 2 public enterprises. There is no inventory in the case of CREDA HPCL Biofuel Ltd. and Indian Oil-CREDA Biofuels Ltd.

4.2.4 Electricity Generation

The value of inventory held by 11 electricity generating companies as on 31.3.2016 was ₹ 9598.57 crore as compared to ₹ 9274.71 crore at the end of previous year. The level of inventory was 44 days as on 31.3.2016 as against 42 days as on 31.3.2015. The company wise break-up of inventory is given in the Table 4.2.4 below:

Table 4.2.4

S. No.	Name of the Company	VALUE OF INVENTORY		COST OF PRODUCTION		No. of days	
		₹ in Crores)				Inv./CP*365	
		2015-16	2014-15	2015-16	2014-15	2015-16	2014-15
1	Kanti Bijlee Utpadan Nigam Ltd.	40.68	28.18	435.71	404.37	34	25
2	NHDC Ltd.	8.97	7.91	490.63	472.06	7	6
3	NHPC Ltd.	85.53	82.73	4639.71	4179.59	7	7
4	NLC India Ltd.	1277.49	898.63	5051.58	4603.56	92	71
5	N Tamil Nadu Power Ltd.	214.28	0	1161.84	0	67	-

6	North Eastern Electric Power Corporation Ltd.	145.8	207.17	1281.84	1134.73	42	67
7	NTPC Ltd.	7192.53	7453	58407.04	62047.09	45	44
8	Nuclear Power Corpn. Of India Ltd.	527.56	509.37	6076.54	5966.4	32	31
9	Rec Power Distribution Co. Ltd.	17.11	0	96.1	35.18	65	0
10	SJVN Ltd.	38.65	36.78	1121.75	1021.31	13	13
11	Thdc India Ltd.	49.97	50.94	914.68	1231.1	20	15
SUB TOTAL :		9598.57	9274.71	79677.42	81095.39	44	42

Of the 11 public enterprises under this group, 2 public enterprises could reduce the level of inventory during 2015-16 as compared to the previous year while in the case of 9 public enterprises there has been increase in the level of inventory.

transmission companies as on 31.3.2016 was ₹ 823.68 crore as compared to ₹ 717.75 crore at the end of previous year. The level of inventory remains same as against last year. The company-wise breakup of inventory is given in the Table 4.2.5 below:-

4.2.5 Electricity Transmission

The value of inventory held by 3 electricity

Table 4.2.5

S. No.	Name of the Company	VALUE OF INVENTORY		COST OF PRODUCTION		No. of days	
		(₹ in Crores)				Inv./CP*365	
		2015-16	2014-15	2015-16	2014-15	2015-16	2014-15
1	Ntpc Electric Supply Company Ltd.	0	0	0.26	22.05	0	0
2	Power Grid Corporation of India Ltd.	823.68	717.75	8639.48	7511.34	35	35
3	Rec Transmission Projects Co. Ltd.	0	0	0.95	2.45	0	0
SUB TOTAL :		823.68	717.75	8640.69	7535.84	35	35

4.2.6 Chemicals & Pharmaceuticals

The value of inventory held by 16 enterprises belonging to this group as on 31.3.2016 was ₹ 746.70 crore representing 44 days cost of production

as compared to ₹ 306.14 crore representing 80 days of inventory as on 31.3.2015. The company wise inventory position for last two years is given in Table 4.2.6 below:-

Table 4.2.6

S. No.	Name of the Company	VALUE OF INVENTORY		COST OF PRODUCTION		No. of days	
		(₹ in Crores)				Inv./CP*365	
		2015-16	2014-15	2015-16	2014-15	2015-16	2014-15
1	Bengal Chemicals & Pharmaceuticals Ltd.	14.63	14.29	105.47	78.24	51	67
2	Bharat Immunologicals & Biologicals Corp. Ltd.	22.47	25.64	135.98	143.78	60	65
3	Brahmaputra Crackers & Polymer Ltd.	275.85	0	244.27	0	412	-
4	Goa Antibiotics & Pharmaceuticals Ltd.	2.8	1.28	44.34	43.51	23	11
5	Hindustan Antibiotics Ltd.	5.69	7.42	70.6	73.69	29	37
6	Hindustan Fluorocarbons Limited	7.41	9.32	43.54	38.28	62	89
7	Hindustan Insecticides Ltd.	79.57	108.47	308.21	311.91	94	127
8	Hindustan Organic Chemicals Ltd.	31.32	51.97	221.84	321.79	52	59
9	Hll Biotech Ltd.	0.71	0.81	0.73	1.3	355	227

10	Idpl (Tamilnadu) Ltd.	1.74	1.48	9.77	7	65	77
11	Indian Drugs & Pharmaceuticals Ltd.	13.98	14.57	95.89	78.22	53	68
12	Indian Medicines & Pharmaceutical Corpn. Ltd.	15.63	13.67	40.03	33.52	143	149
13	Karnataka Antibiotics & Pharmaceuticals Ltd.	45.76	50.51	282.98	224.36	59	82
14	Ongc Mangalore Petrochemicals Ltd.	220.24	0	4577.25	0	18	-
15	Orissa Drugs & Chemicals Ltd.	3.9	2.76	18.5	17.29	77	58
16	Rajasthan Drugs & Pharmaceuticals Ltd.	5	3.95	38.89	31.7	47	45
SUB TOTAL :		746.70	306.14	6238.29	1404.59	44	80

Of the 16 public enterprises, 3 are newly created operating CPSEs in 2015-16. 10 CPSEs reduce the level of inventory during 2015-16 as compared to the previous year while in case of 3 public enterprises there has been increase in the level of inventory.

goods group held an inventory valued at ₹ 2480.63 crore representing 120 days of inventory during the year 2015-16 as against an inventory valued at ₹ 2132.86 crore held by them during the previous year representing 101 days. The company wise break-up of inventory is given in the Table 4.2.7 below:

4.2.7 Consumer Goods

12 companies belonging to the consumer

Table 4.2.7

S. No.	Name of the Company	VALUE OF INVENTORY		COST OF PRODUCTION		No. of days			
		₹ in Crores)						Inv/CP*365	
		2015-16	2014-15	2015-16	2014-15	2015-16	2014-15		
1	Artificial Limbs Mfg. Corpn. Of India	36.57	38.99	162.49	141.18	82	101		
2	Cement Corpn. Of India Ltd.	134.95	136.15	400.39	418.33	123	119		
3	Hindustan Newsprint Ltd.	104.2	122.08	321.83	346.76	118	129		
4	Hindustan Paper Corporation Ltd.	189.84	236.55	744.61	1327.72	93	65		
5	Hindustan Photo Films Manufacturing Co. Ltd.	7.41	7.48	44.26	49.27	61	55		
6	Hindustan Salts Ltd.	1.75	1.22	8.22	15	78	30		
7	HLL Lifecare Ltd.	97.4	101.18	1004.93	1005.88	35	37		
8	Hooghly Printing Company Ltd.	1.31	1.03	16.18	15.84	30	24		
9	Nagaland Pulp & Paper Company Ltd.	0.19	0.13	10.21	10.06	7	5		
10	NEPA Ltd.	20.02	25.56	129.5	149.04	56	63		
11	Sambhar Salts Ltd.	8.4	8.64	23.2	23.91	132	132		
12	Security Printing & Minting Corpn. India Ltd.	1878.59	1453.85	4684.91	4175.19	146	127		
SUB TOTAL :		2480.63	2132.86	7550.73	7678.18	120	101		

The level of inventory has decreased in 4 public enterprises during 2015-16 and increased in 7 public enterprises, whereas there is no change in case of Sambhar Salts Ltd.

4.2.8 Fertilizers

There were 7 companies engaged in the

production of fertilizers. The value of inventory held by them as on 31.3.2016 was ₹ 2372.09 crore representing 44 days of inventory as compared to an inventory value of ₹ 2069.06 crore representing 38 days at the end of previous year. The company wise break-up of inventory is given in the Table 4.2.8 below:

Table 4.2.8

S. No.	Name of the Company	VALUE OF INVENTORY		COST OF PRODUCTION		No. of days			
		₹ in Crores)						Inv./CP*365	
		2015-16	2014-15	2015-16	2014-15	2015-16	2014-15		
1	Brahmaputra Valley Fertilizer Corpn. Ltd.	42.96	40.57	618.23	647.97	25	23		
2	Fertilizer Corpn. of India Ltd.	10.68	10.68	16.43	24.04	237	162		
3	Fertilizers & Chemicals (Travancore) Ltd.	388.62	551.33	1977.38	2176.89	72	92		
4	Hindustan Fertilizer Corpn. Ltd.	0	0	21.26	6	0	0		
5	Madras Fertilizers Ltd.	211.07	189.84	1239.98	1770.14	62	39		
6	National Fertilizers Ltd.	503.31	285	7300.84	8215.68	25	13		
7	Rashtriya Chemicals and Fertilizers Ltd.	1215.45	991.64	8328.22	7161.23	53	51		
SUB TOTAL :		2372.09	2069.06	19502.34	20001.95	44	38		

The level of inventory has decreased in Fertilizers & Chemicals (Travancore) Ltd. only during 2015-16. Hindustan Fertilizer Corpn. Ltd. did not hold any inventory during last two years.

4.2.9 Heavy Engineering

The value of inventory held by the 7 public

enterprises belonging to this group was ₹9881.23 crore representing 122 days cost of production as on 31.3.2016 as against a total inventory valued at ₹10407.12 crore representing 126 days as on 31.3.2015. The company wise break-up of inventory is given in the Table 4.2.9 below:

Table 4.2.9

S. No.	Name of the Company	VALUE OF INVENTORY		COST OF PRODUCTION		No. of days			
		₹ in Crores)						Inv./CP*365	
		2015-16	2014-15	2015-16	2014-15	2015-16	2014-15		
1	Bharat Heavy Electricals Ltd.	9637.39	10101.66	28529.96	29230.93	123	126		
2	Bharat Wagon & Engg. Co. Ltd.	5.54	5.42	17.14	23.92	118	83		
3	Bhel Electrical Machines Ltd.	6.29	5.3	42.95	24.36	53	79		
4	Braithwaite & Co. Ltd.	29.7	19.72	123.71	163.4	88	44		
5	Burn Standard Company Ltd.	38.4	38.24	160.73	158.87	87	88		
6	Heavy Engineering Corpn. Ltd.	163.24	236.11	595.73	580.89	100	148		
7	Tungabhadra Steel Products Ltd.	0.67	0.67	4.16	4.16	59	59		
SUB TOTAL :		9881.23	10407.12	29474.38	30186.53	122	126		

Of the 7 public enterprises, 4 could reduce the level of inventory during 2015-16 as compared to the previous year while in the case of 2 companies there has been increase in the level of inventory. In case of Tungabhadra Steel Products Ltd. there is no change.

4.2.10 Medium & Light Engineering

The value of inventory held by 20 enterprises of this group as on 31.3.2016 was ₹ 7194.53 crore representing 157 days cost of production as compared to ₹ 5784.98 crore representing 138 days as on 31.3.2015. The company wise break-up of inventory is given in the Table 4.2.10 below:

Table 4.2.10

S. No.	Name of the Company	VALUE OF INVENTORY		COST OF PRODUCTION		No. of days			
		₹ in Crores)						Inv./CP*365	
		2015-16	2014-15	2015-16	2014-15	2015-16	2014-15		
1	Andrew Yule & Company Ltd.	45.77	41.79	371.15	377.51	45	40		
2	Balmer Lawrie & Co. Ltd.	119.77	130.1	2534.91	2600.27	17	18		
3	Bel Optronics Devices Ltd.	26.06	31.88	112.97	143.08	84	81		
4	Bharat Dynamics Ltd.	2060.51	1480.13	3493.61	2666.21	215	203		
5	Bharat Electronics Ltd.	4167.89	3369.43	6002.64	5852.54	253	210		
6	Bharat Pumps & Compressors Ltd.	47.08	57.57	116.63	137.28	147	153		
7	Central Electronics Ltd.	53.51	49.48	185.8	149.86	105	121		
8	Electronics Corpn. Of India Ltd.	238.7	177.07	1311.55	1203.29	66	54		
9	Hindustan Cables Ltd.	2	2.76	166.3	193.14	4	5		
10	HMT Bearings Ltd.	7.81	7.81	18.11	18.11	157	157		
11	HMT Chinar Watches Ltd.	3.75	3.75	5.44	5.44	252	252		
12	HMT Ltd.	25.23	34.21	155.71	170.96	59	73		
13	HMT Machine Tools Ltd.	117.71	107.51	290.03	298.71	148	131		
14	Hmt Watches Ltd.	28.25	28.25	73.31	73.31	141	141		
15	IT I Ltd.	103.83	93.34	1379.08	799.98	27	43		
16	Instrumentation Ltd.	41.07	61.57	164.77	208.29	91	108		
17	Rajasthan Electronics And Instruments Ltd.	18.66	17.41	194.4	203.12	35	31		
18	Richardson & Cruddas(1972) Ltd.	0	1.07	28.9	66.94	0	6		
19	Scooters India Ltd.	80.49	81.9	141.51	146.97	208	203		
20	Vignyan Industries Ltd.	6.44	7.95	28.15	28.06	84	103		
SUB TOTAL :		7194.53	5784.98	16774.97	15343.07	157	138		

Of the 20 public enterprises, 9 could reduce the level of inventory during 2015-16 as compared to the previous year while in the case of 8 other companies there has been increase in the level of inventory. It remained unchanged in the case of 3 HMT subsidiaries companies.

4.2.11 Petroleum (Refinery & Marketing)

There are 8 companies operating in

Petroleum (Refinery & Marketing) sector as on 31.3.2016. These companies have inventory valued at ₹ 73902.21 crore as on 31.3.2016 as compared to ₹ 83864.87 crore at the end of previous year. The level of inventory was 33 days cost of production as on 31.3.2016 as against 30 days as on 31.3.2015. The company wise break-up of inventory is given in the Table 4.2.11 below:

Table 4.2.11

S. No.	Name of The Company	VALUE OF INVENTORY		COST OF PRODUCTION		No. of days			
		₹ in Crores)						Inv./CP*365	
		2015-16	2014-15	2015-16	2014-15	2015-16	2014-15		
1	Bharat Petroleum Corpn. Ltd.	13696.28	14457.85	180101.37	232288.25	28	23		
2	Chennai Petroleum Corporation Ltd.	3205.72	3805.08	24933.98	42241.32	47	33		

3	Gail (India) Ltd.	1744.85	2081.05	48959.01	53020.04	13	14
4	Gail Gas Ltd.	8.3	6.66	1476.73	993.98	2	2
5	Hindustan Petroleum Corpn. Ltd.	12709.12	12972.26	174331.03	203471.62	27	23
6	Indian Oil Corporation Ltd.	38282.4	45543.85	335374.06	431907.71	42	38
7	Mangalore Refinery & Petrochemicals Ltd.	3196.72	3399.61	38570.23	60049.76	30	21
8	Numaligarh Refinery Ltd.	1058.82	1598.51	8266.74	8766.73	47	67
SUB TOTAL :		73902.21	83864.87	812013.15	1032739.4	33	30

The level of inventory has decreased in 2 public enterprises during 2015-16 as compared to the previous year and increased in 5 CPSEs and remains unchanged in respect of one CPSE.

4.2.12 Steel

The value of inventory held by 5 companies

was ₹19362.98 crore at the end of 2015-16 as compared to ₹23365.77 crore held by them at the end of 2014-15. The level of inventory has reduced to 126 days cost of production at the end of the year 2015-16 as compared to 161 days at the end of 2014-15. The company wise break-up of inventory is given in the Table 4.2.12 below:

Table 4.2.12

S. No.	Name of the Company	VALUE OF INVENTORY		COST OF PRODUCTION		No. of days			
		₹ in Crores						Inv./CP*365	
		2015-16	2014-15	2015-16	2014-15	2015-16	2014-15		
1	Ferro Scrap Nigam Ltd.	2.98	3.46	313.25	249.05	3	5		
2	Mishra Dhatu Nigam Ltd.	288.85	423.02	581.93	524.95	181	294		
3	Rashtriya Ispat Nigam Ltd.	3907.5	5179.51	10103.71	9032.57	141	209		
4	Sail Refractory Company Ltd.	28.71	23.41	96.2	104.42	109	82		
5	Steel Authority Of India Ltd.	15134.94	17736.37	44818.53	42918.31	123	151		
SUB TOTAL :		19362.98	23365.77	55913.62	52829.3	126	161		

The level of inventory has decreased in 4 public enterprises during 2015-16 as compared to the previous year and increased in case of one CPSE.

4.2.13 Textiles

There are 4 companies in Textiles sector as on 31.3.2016. The value of inventory held by companies belonging to this group was ₹361.50 crore at the end of 2015-16 as compared to an inventory of ₹341.50 crore at the end of previous year. The level of inventory was 80 days cost of

production during the year 2015-16 and 72 days at the end of previous year. The company wise break-up of inventory is given in the Table 4.2.13 below:

Table 4.2.13

S. No.	Name of the Company	VALUE OF INVENTORY		COST OF PRODUCTION		No. of days			
		₹ in Crores)						Inv./CP*365	
		2015-16	2014-15	2015-16	2014-15	2015-16	2014-15		
1	Birds Jute & Exports Ltd.	0	0	1.21	1.44	0	0		
2	British India Corporation Ltd.	4.19	2.21	46.82	42.55	33	19		
3	National Jute Manufactures Corporation Ltd.	14.51	13.1	56.79	58.11	93	82		
4	National Textile Corpn. Ltd.	342.8	326.19	1535.27	1625.36	81	73		
SUB TOTAL :		361.5	341.5	1640.09	1727.46	80	72		

Of the 4 public enterprises, the level of inventory increased in the 3 companies in year 2015-16 as compared to previous year. Birds Jute & Exports Ltd. did not hold any inventory during last two years.

4.2.14 Transportation Equipment

8 public enterprises are engaged in the

production of transportation equipment. The value of inventory held by these companies was ₹51639.34 crore during the year 2015-16 as against ₹51052.74 crore during 2014-15. The level, which was 733 days cost of production at the end of previous year, has further gone down to 706 days at the end of 2015-16. The company wise break-up of inventory is given in the Table 4.2.14 below:

Table 4.2.14

S. No.	Name of the Company	VALUE OF INVENTORY		COST OF PRODUCTION		No. of days			
		₹ in Crores)						Inv./CP*365	
		2015-16	2014-15	2015-16	2014-15	2015-16	2014-15		
1	BEML LTD.	1696.32	1921.2	2909.44	2791.42	213	251		
2	COCHIN SHIPYARD LTD.	231.64	303.1	1673.68	1567.08	51	71		
3	GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.	4210.31	4560.66	1650.23	1615.48	931	1030		
4	GOA SHIPYARD LTD.	621.31	337.66	674.93	626.87	336	197		
5	HINDUSTAN AERONAUTICS LTD.	24159.33	25136.28	15209.82	14886.96	580	616		
6	HINDUSTAN SHIPYARD LTD.	299.39	142.21	615.56	462.7	178	112		
7	HOOGHLY DOCK AND PORT ENGINEERS LTD.	95.13	109.71	41.23	31.88	842	1256		
8	MAZAGON DOCK SHIPBUILDERS LTD.	20325.91	18541.92	3927.96	3435.45	1889	1970		
SUB TOTAL :		51639.34	51052.74	26702.85	25417.84	706	733		

Of the 8 public enterprises, 6 could reduce the level of inventory during 2015-16 as compared to the previous year. It increased in the case of 2 public enterprises during the year 2015-16.

4.2.15 Coal

The value of inventory held by 8 public enterprises belonging to this group as on 31.3.2016

was ₹ 7587.93 crore as compared to ₹6177.72 crore at the end of previous year. The level of inventory was 44 days cost of production as on 31.3.2016 as compared to 38 days at the end of previous year. The company wise break-up of inventory is given in the Table 4.2.15 below:

Table 4.2.15

S. No.	Name of the Company	VALUE OF INVENTORY		COST OF PRODUCTION		No. of days			
		₹ in Crores)						Inv./CP*365	
		2015-16	2014-15	2015-16	2014-15	2015-16	2014-15		
1	BHARAT COKING COAL LTD.	887.48	815.71	8184.98	7451.2	40	40		
2	CENTRAL COALFIELDS LTD.	1492.97	1351.14	8166.49	7331.11	67	67		
3	COAL INDIA LTD.	152.41	58.33	668.99	634.03	83	34		
4	EASTERN COALFIELDS LTD.	764.21	551.02	9126	9130.38	31	22		
5	MAHANADI COALFIELDLS LTD.	430.5	476.41	8543.19	7738.16	18	22		
6	NORTHERN COALFIELDS LTD.	976.04	835.91	6884.06	7054.39	52	43		
7	SOUTH EASTERN COALFIELDS LTD.	1839.69	1332.09	13049.69	12419.02	51	39		
8	WESTERN COALFIELDS LTD.	1044.63	757.11	7709.1	7432.85	49	37		
SUB TOTAL :		7587.93	6177.72	62332.5	59191.14	44	38		

The level of inventory has decreased in 1 public enterprises during 2015-16 as compared to the previous year and increased in the case of 5 public enterprises. In case of 2 CPSEs there is no change.

4.2.16 Crude Oil

There are 5 companies operating in Crude

Oil sector as on 31.3.2016. These companies had inventory valued at ₹ 7743.82 crore as on 31.3.2016 as compared to ₹ 7886.74 crore at the end of previous year. The overall level of inventory remains same during last two years. The company wise break-up of inventory is given in the Table 4.2.16 below:

Table 4.2.16

S. No.	Name of the Company	VALUE OF INVENTORY		COST OF PRODUCTION		No. of days			
		₹ in Crores)						Inv./CP*365	
		2015-16	2014-15	2015-16	2014-15	2015-16	2014-15		
1	BHARAT PETRO RESOURCES LTD.	0	0	70.85	60.69	0	0		
2	OIL & NATURAL GAS CORPORATION LTD.	5642.06	5963.53	58022.72	61679.52	35	35		
3	OIL INDIA LTD.	1005.87	1032.01	7116.1	6950.48	52	54		
4	ONGC VIDESH LTD.	1095.18	890.49	9651.62	13605.42	41	24		
5	PRIZE PETROLEUM COMPANY LTD.	0.71	0.71	59.9	9.36	4	28		
SUB TOTAL :		7743.82	7886.74	74921.19	82305.47	38	35		

The level of inventory has increased in one CPSE during 2015-16 as compared to the previous year and decreased in case of 2 public enterprise. Bharat Petro Resources Ltd did not hold any inventory during last two years and in case of ONGC there is no change.

4.2.17 Other Minerals & Metals

There were 12 companies operating in

this group. The value of inventory held by these companies during the year 2015-16 was ₹ 2770.21 crore representing 76 days cost of production as compared to the value of inventory of ₹ 3028.12 crore representing same days of inventory during previous year. The company wise break-up of inventory is given in the Table 4.2.17 below:

Table 4.2.17

S. No.	Name of the Company	VALUE OF INVENTORY		COST OF PRODUCTION		No. of days			
		₹ in Crores						Inv./CP*365	
		2015-16	2014-15	2015-16	2014-15	2015-16	2014-15		
1	EASTERN INVESTMENT LTD.	0	0	0.52	13.85	0	0		
2	FCI ARAVALI GYPSUM & MINERALS (INDIA) LTD.	5.88	6.27	37.06	45.02	58	51		
3	HINDUSTAN COPPER LTD.	517.23	442.45	970.7	1001.31	194	161		
4	INDIAN RARE EARTHS LTD.	127.97	134.73	497.58	462.96	94	106		
5	J & K MINERAL DEVELOPMENT CORPN. LTD.	0	0	1.92	0.82	0	0		
6	KIOCL LTD.	63.47	339.77	490.71	714.91	47	173		
7	MOIL LTD.	162.99	144.22	589.8	489.29	101	108		
8	NATIONAL ALUMINIUM COMPANY LTD.	1126.97	1165.56	6302.05	6090.45	65	70		
9	NMDC Ltd.	636.96	691.88	3473.96	4740.33	67	53		
10	ORISSA MINERAL DEVELOPMENT COMPANY LTD.	21.67	26.7	51.06	48.83	155	200		
11	THE BISRA STONE LIME COMPANY LTD.	1.89	3.17	53.81	34.1	13	34		
12	URANIUM CORPORATION OF INDIA LTD.	105.18	73.37	804.61	822.75	48	33		
SUB TOTAL :		2770.21	3028.12	13273.78	14464.62	76	76		

Of the 12 public enterprises, 6 could reduce the level of inventory during 2015-16 as compared to the previous year. Eastern Investment Ltd. and J&K Mineral Dev. Corpn. Ltd. did not hold any inventory during last two years. In case of 4 CPSEs inventory level has increased.

4.2.18 Contract & Construction Services

There were 17 public sector enterprises

operating in the Contract & Construction Services group. The value of inventory held by these companies in this group was ₹ 2412.42 crore as on 31.3.2016 as compared to ₹ 2106.37 crore held by them at the end of previous year. The level of inventory has reduced from 51 days Inventory Turnover Ratio to 48 days in 2015-16. The company wise break-up of inventory is given in the Table 4.2.18 below:

Table 4.2.18

S. No.	Name of the Company	VALUE OF INVENTORY		COST OF PRODUCTION		No. of days			
		₹ in Crores						Inv./CP*365	
		2015-16	2014-15	2015-16	2014-15	2015-16	2014-15		
1	BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LTD.	24.08	6.51	100.27	141.16	88	17		
2	BRIDGE & ROOF CO.(INDIA) LTD.	763.95	762.13	1683.55	1398.71	166	199		
3	HINDUSTAN PREFAB LTD.	0	0.18	429.23	255.65	0	0		
4	HINDUSTAN STEELWORKS COSTN. LTD.	0.94	3.69	1356.07	1428.62	0	1		
5	INDIAN RAILWAY STATIONS DEVPT. CORPORATION LTD.	0	0	0	0	-	-		
6	IRCON INFRASTRUCTURE & SERVICES LTD.	0	0	55.35	15.61	0	0		
7	IRCON INTERNATIONAL LTD.	140.63	114.29	2119.79	2268.52	24	18		
8	KONKAN RAILWAY CORPORATION LTD.	42.07	53.53	1365.11	1159.05	11	17		

9	MINERAL EXPLORATION CORPN. LTD.	12.83	12.99	164.23	183.97	29	26
10	MUMBAI RAILWAY VIKAS CORPORATION LTD.	0	0	25.72	27.24	0	0
11	NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPN. LTD.	0	0	15.62	0	0	-
12	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	1.26	1.36	954.62	1118.94	0	0
13	NBCC (INDIA) LTD.	1424.65	1145.67	5483.17	4117.44	95	102
14	NBCC SERVICES LTD.	0	0	73.06	0	0	-
15	PROJECTS & DEVELOPMENT INDIA LTD.	4.01	6.02	78.46	68.03	19	32
16	RAIL VIKAS NIGAM LTD.	0	0	4326.61	3001.67	0	0
17	TCIL BINA TOLL ROAD LTD.	0	0	4.04	4.5	0	0
SUB TOTAL :		2414.42	2106.37	18234.9	15189.11	48	51

Of the 17 public enterprises, 8 did not hold any inventory including 3 newly created CPSEs and in case of 1 CPSE there is no change in the level of inventory. 5 CPSEs reduce their level of inventories during 2015-16 as compared to the previous year while in 3 public enterprises there has been increase in the level of inventory.

operating in this group and held an inventory valued at ₹ 5463.02 crore as on 31.3.2016 as compared to ₹ 4558.94 crore at the end of the previous year. The level of inventory has increased from 39 days Inventory Turnover Ratio to 48 days in 2015-16. The company wise break-up of inventory is given in the Table 4.2.19 below:

4.2.19 Telecommunication Services

There were 6 public sector enterprises

Table 4.2.19

S. No.	Name of the Company	VALUE OF INVENTORY		COST OF PRODUCTION		No. of days			
		₹ in Crores)						Inv./CP*365	
		2015-16	2014-15	2015-16	2014-15	2015-16	2014-15		
1	BHARAT BROADBAND NETWORK LTD.	960.31	764.46	18.67	11.43	18774	24412		
2	BHARAT SANCHAR NIGAM LTD.	4433.71	3696.88	36199.33	36986.73	45	36		
3	MAHANAGAR TELEPHONE NIGAM LTD.	67.59	96.13	5029.99	5215.54	5	7		
4	MILLENNIUM TELECOM LTD.	0	0.3	1.35	2.77	0	40		
5	RAILTEL CORPORATION INDIA LTD.	0.59	1.17	447.26	387.43	0	1		
6	RAILTEL ENTERPRISES LTD.	0.82	0	5.51	1.14	54	0		
SUB TOTAL :		5463.02	4558.94	41702.11	42605.04	48	39		

Of the 6 public enterprises in Telecommunication Services group, the level of inventory decreased in 4 public enterprises and increased in 2 public enterprise during 2015-16 as

compared to the previous year.

4.2.20 Trading & Marketing Services

There were 22 companies in the Trading &

Marketing Services group during the year 2015-16. Three companies namely, Food Corpn. of India, Cotton Corpn. of India and Jute Corpn. of India have been excluded for the purpose of analysis as these corporations keep stocks as deliberate policy. As such, the analysis covers the remaining 19 companies only.

These 19 companies held inventory valued at ₹752.85 crore representing 7 days Inventory Turnover Ratio at the end of 2015-16 as compared to an inventory of ₹738.54 crore representing 5 days at the end of previous year. The company wise break-up of inventory is given in the Table 4.2.20 below:

Table 4.2.20

S. No.	Name of the Company	VALUE OF INVENTORY		COST OF PRODUCTION		No. of days	
		(₹ in Crores)				Inv./CP*365	
		2015-16	2014-15	2015-16	2014-15	2015-16	2014-15
1	ANTRIX CORPORATION LTD.	0	0	1605.81	1535.31	0	0
2	CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.	12.21	10.26	89.53	86.9	50	43
3	CENTRAL RAILSIDE WAREHOUSE CO. LTD.	0	0	62.66	73.33	0	0
4	CENTRAL WAREHOUSING CORPN.	5.82	6.32	1353.78	1300.88	2	2
5	HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	47.76	3.96	1992.8	2731.83	9	1
6	HMT (INTERNATIONAL) LTD.	0	0.04	35.84	36.01	0	0
7	INDIA TRADE PROMOTION ORGANISATION	0	0	189.37	180.05	0	0
8	KARNATAKA TRADE PROMOTION ORGANISATION	0	0	3.07	2.89	0	0
9	M M T C LTD.	401.51	319.4	12633.45	18355.44	12	6
10	M S T C LTD.	15.29	146.83	2779.82	5288.52	2	10
11	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	1.49	1.32	2596.97	2400.88	0	0
12	NORTH EASTERN HANDICRAFTS & HANDLOOM DEV.CORPN. LTD.	2.18	1.98	14.28	13.34	56	54
13	NORTH EASTERN REGIONAL AGRI. MARKETING CORP.LTD.	1.11	1.11	39.91	39.91	10	10
14	NTPC VIDYUT VYAPAR NIGAM LTD.	0	0	4044.81	3821.48	0	0
15	P E C LTD.	265.06	241.8	3809.82	6270	25	14
16	SIDCUL CONCOR INFRA COMPANY LTD.	0	0	3.66	0	0	-
17	STATE TRADING CORPN. OF INDIA LTD.	0.42	5.5	10704.73	14543.04	0	0
18	STCL LTD.	0	0.02	2.34	2.96	0	2
19	TAMIL NADU TRADE PROMOTION ORGANISATION	0	0	20.7	20.12	0	0
SUB TOTAL :		752.85	738.54	41983.35	56702.89	7	5

Of the 19 public enterprises in this group, 2 could reduce the level of inventory during 2015-16 as compared to the previous year while in case of 5 CPSEs there has been increase in the level of inventory. There is no change in level of inventory in respect of 5 CPSEs and 7 CPSEs do not hold any inventory.

4.2.21 Transport Services

There are 15 public sector enterprises operating in the transportation services sector. The value of inventory held by these companies was ₹2061.95 crore as on 31.3.2016 as compared to an inventory valued at ₹1795.31 crore at the end of previous year. The company wise break-up of inventory is given in the Table 4.2.21 below:

Table 4.2.21

S. No.	Name of the Company	VALUE OF INVENTORY		COST OF PRODUCTION		No. of days			
		₹ in Crores)						Inv./CP*365	
		2015-16	2014-15	2015-16	2014-15	2015-16	2014-15		
1	AIR INDIA AIR TRANSPORT SERVICES LTD.	0	0	476.49	552.36	0	0		
2	AIR INDIA CHARTERS LTD.	170.77	187.67	2228.34	1959.65	28	35		
3	AIR INDIA ENGINEERING SERVICES LTD.	0	0	974.75	384.58	0	0		
4	AIR INDIA LTD.	1501.11	1225.52	19887.33	22437.9	28	20		
5	AIRLINE ALLIED SERVICES LTD.	16.93	8.14	364.93	308.07	17	10		
6	AIRPORTS AUTHORITY OF INDIA	85.07	68.79	6955.75	6336.26	4	4		
7	CENTRAL INLAND WATER TRANSPORT CORPN. LTD.	0.58	0.58	12.59	16.2	17	13		
8	CONCOR AIR LTD.	0	0	308.64	275.48	0	0		
9	CONTAINER CORPORATION OF INDIA LTD.	17.7	16.82	5025.64	4649.87	1	1		
10	DREDGING CORPN. OF INDIA LTD.	133.21	107.94	583.99	653.9	83	60		
11	FRESH & HEALTHY ENTERPRISES LTD.	0.6	31.43	47.11	40.71	5	282		
12	KAMARAJAR PORT LTD.	0	0	122.12	76.82	0	0		
13	PAWAN HANS LTD.	49.75	56.49	435.61	459.02	42	45		
14	PETRONET CCK LTD.	0.65	0	26.37	0	9	-		
15	SHIPPING CORPORATION OF INDIA LTD.	85.58	91.93	3692.8	4132.15	8	8		
SUB TOTAL :		2061.95	1795.31	41142.46	42282.97	18	15		

In the Transport Services Sector, out of 15 public enterprises, the level of inventory decreased in 3 public enterprises and increased in 5 CPSEs during 2015-16 as compared to the previous year. The level of inventory remained unchanged in 2 CPSEs and 4 did not hold any inventory. Petronet cck Ltd. is a newly created CPSE.

4.3 Energy Conservation in CPSEs

The details of some of the steps taken by the CPSEs towards energy conservation are brought out as under:

1. Artificial Limbs Mfg. Corpn. Of India

- The factory operates on single shift basis and highest recorded demand being 672 KWH total energy consumption is reasonably low.
- Power factor between 0.935 to 0.977 was emphasized resulting in optimum utilization at minimal energy consumption level.

2. Balmer Lawrie & Company Limited

- The company is continuously monitored energy consumption per unit of production at various

manufacturing plants and took action towards conservation of energy in view of rising cost of energy and keeping with your company's commitment to be an energy efficient entity.

- Variable frequency drives to were installed to conserve energy, along with other energy saving methods.
- LED lighting systems were installed at Silvassa, Chittoor and Navi Mumbai in order to reduce energy consumption.
- Other energy conservation initiatives include installation of AC 3 phase seam welding machine, automatic power controllers, voltage stabilizers, variable frequency drives and servo drives in various plants and offices.
- Installation of circuit breakers and variable frequency drives.

3. BEML LTD.

- Used 4KW capacity Portable Air Compressor in place of 55KW capacity Motor Air compressor resulted in conservation of 148920 kWh equivalent to ₹9.83 lakh.

- Installation of 2 Nos. of 5000 liters capacity solar water heating system for canteen resulted in conservation of 102816 units equivalent to ₹6.07 lakh.
- Installation of 100 KVA energy saver unit for shop high bay, road and perimeter lightings resulted in conservation of 72264 units equivalent to ₹5.23 lakh
- Used LED/ CFL lighting in place of fluorescent lights resulted in conservation of 17288 kWh equivalent to ₹1.25 lakh

4. BEL Optronics Devices Limited

- Modified the Air conditioning system for automatic cut off the heaters installed in the AHU's of the Air conditioning system without affecting the temperature and humidity inside the clean rooms.

5. Bharat Coking Coal Ltd.

- BCCL has started replacing all old lightening area with LED and CFL light fittings in all official premises except mining areas. Emphasis has been put to initiate the usage of LED lamp fittings for offices and township areas.
- Work orders for Electrical Energy Audit and Benchmarking of amalgamated Block II OCP of Block II Area of BCCL has been placed on CMPDIL
- Action taken towards improvement of power factor.

6. Bharat Dynamics Ltd.

- Installation of 5 MW Grid connected Solar power at BDL Bhanur is under progress. The generated solar power will be connected to Telangana State electrical power grid at Nandigama Sub-station.
- Company established Grid connected Solar Photo Voltaic (PV) Roof Top Power Plants with an estimated payback period of 7 years.

7. Bharat Electronics Ltd.

- Automation of HVAC facilities to optimize energy consumption of air conditioning areas.

Energy efficient screw chillers were installed in AC plants for meeting variable cooling load demand. Implementation of VRV based Air conditioning for new buildings and infrastructure facilities.

- Energy efficient motors for pumps, blowers with variable frequency drives for motors and centrifugal fans of cooling towers.
- Usage of inverter technology based energy efficient split air conditioners and 5 star rated packaged units and cold storage units.
- Life Cycle Cost based evaluation for procurement of distribution transformers and electrical equipment for improved energy efficiency levels.
- Energy audit of chilled water, compressed air and water distribution system and arresting leakages by periodic monitoring.
- DALI based Lighting Management System with occupancy based lighting controls and daylight harvesting at new buildings.

8. Bharat Heavy Electricals Ltd.

- 36 Energy Conservation projects were implemented across the company, as suggested by the specialized agencies in the Energy Audit reports.
- Specific Energy Consumption improved by 5.1 per centage over the base level.

9. Bridge & Roof Co.(India) Ltd.

- Bridge and Roof is in a constant process to save and conserve energy by adopting energy efficient measures. Growing awareness amongst employees by periodic maintenance of equipment using renewable energy sources including installation of Solar Panels at its Howrah workshop and switching off energy consuming devices not in use.
- Detailed energy audit is being conducted by External Experts and followed by necessary corrective actions as per their recommendations.

10. Burn Standard Company Ltd.

- Energy audit conducted at the Units of BSCL.

11. Central Coalfields Limited

- As per MoU target in 2015-16, benchmarking of Electrical cum Diesel consumption of two Opencast Projects each in consultation with CMPDIL was completed on 27th November, 2015 for electrical benchmarking and 30th November, 2015 for diesel benchmarking for excellent rating.
- Testing of 135 nos. of used oil samples of Engine & Transmission, collected from different Projects was done by IOC, HPCL and BPCL and their reports forwarded to concerned Projects for further needful.
- CMC laboratories at three Regional Workshops have been started and scheme for equipping these labs with latest testing instruments have been initiated to the tune of ₹ 3.84 crores, which is in approval stage. At the same time, three nos. Vibration Analyzers and two nos. oil test kits are in advance stage of procurement for condition monitoring of HEMMs.

12. Central Electronics Ltd.

- Initiated a project for converting the campus into a green campus. Under this project, the Company has achieved its first milestone by converting its administrative complex into net zero energy complex by installation of top solar panel with high efficiency solar module as well as number of steps for reduction of power consumption.

13. Central Mine Planning and Design Institute Limited

- Annual Diesel Benchmarking for 76 nos. Opencast mines of CIL with proposed saving potential of 18567 KL/year of diesel.
- Detailed Diesel Benchmarking and equipment wise fixation of diesel consumption Norms for different of OCPs of CIL with total proposed saving potential 365.02 KL/year of Diesel.

14. Chennai Petroleum Corporation Ltd.

- SRU Incinerator Waste Heat Boiler tubes were replaced and put back in service which resulted in additional steam generation.
- Strengthening of Insulation of High heat loss steam and process lines.
- Improvement of PSA II Hydrogen Recovery by replacing switching valves and adsorbent.
- Plant79 ARU hot lean amine routed to DHDT bypassing the cooler.
- OHCU heavy naphtha directly routed to CCR bypassing NHT reactor system. Replacement of PRDS system with new valves.

15. Coal India Limited

- Procurement of energy efficient illumination system.
- Use of higher starred rating ACs, installation of energy meters/power factor meters/demand controllers for monitoring and control of energy.
- Addition/replacement of power capacitors at suitable locations for improvement of power factor.
- Extensive use of Arial Bunch Conductors.
- Reduction in transmission & distribution losses, energy conservation measures in pumping system etc. have been taken and general awareness propagated among all concerned for
- Efficient use of energy.

16. Cochin Shipyard Limited

- Installed occupancy sensor tube light at various building staircases and bathrooms
- Installed 250 KW grid connected solar power plant
- Electrification of new buildings is carried out with LED lights instead of conventional discharge lamps.

- Replaced conventional discharge lamp street lights with LED lights.
- Replacement/ new procurement of Air conditioning units are done with energy efficient inverter type ACs.
- Leakages in the compressed air distribution system and other industrial gas lines are regularly monitored and rectified.
- Switching off Main Air Compressor during lunch break.
- Switching off Main power supply to shops, quays & docks momentarily at 1215 hours to shut down coolers, roof extractors, etc. which are not required during the lunch break.
- Displayed energy saving stickers & posters, conducted seminar and quiz competition for inculcating awareness among employees for energy
- Power factor is continuously monitored and maintained near unity.
- Usage of energy efficient inverter type welding sets instead of conventional welding sets is promoted.
- Installation of turbine ventilators at various buildings.

17. Eastern Coalfields Ltd.

- Solar Power Panel and Solar Lights Uses of energy saving LED CFL Plug in Light (PL) lamp (below 20W) instead of Incandescent Lamp Tube Light (54W), electronic ballast, electronic regulators
- Installation of Higher Star Rated Air Conditioners

18. Electronics Corpn. Of India Ltd.

- Solar water heating system maintenance is carried out periodically for better performance of the system.
- Replacement of window air conditioners with star rated energy efficient split air conditioners in rooms and labs.

- Preventive maintenance of sub-station equipment like LT panels air circuit breakers protection relays were carried out periodically to minimize the power losses in LH and LT distribution systems

19. Engineers India Ltd.

- Use of energy efficient electrical equipment/ systems has been initiated.
- Use of energy efficient motors of min. 1E2 type and 100 per cent LED fixtures for lighting of process offsite and utilities has been initiated.

20. Fertilizers & Chemicals (Travancore) Ltd.

- The raw material/utilities consumption of all the products is being monitored regularly by evaluating the critical parameters. The raw material/energy efficiency is reviewed on a monthly basis to identify the weak areas and rectify the shortcomings

21. GAIL (India) Ltd.

- Energy saving for GB 106 controller in LLDPE I plant at Pata petrochemical complex through switching of anti-surge controller (12 XC 1598) from manual to auto mode resulting power saving of 263373MW.
- Adoption of dry CO₂ blasting for cleaning of coils of HRSG 1and2 which resulted in fuel saving of 1027956 SCM in FY16.
- Replacement of HPSV lamps with energy efficient LED lights across townships, plant premises at Pata petrochemical complex.
- Internal audits were conducted under OGCF 2016 and Non-star ACs were replaced with energy efficient 3 Star ACs.
- Regular monitoring is conducted for measuring Steam turbine efficiency, furnace efficiency, Gas turbine efficiency, compressor efficiency and boiler efficiency.
- PSV (Pressure Safety Valve) passing is inspected regularly and gas consumption optimization is accomplished.

22. Goa Shipyard Ltd.

- Use of LED lighting for lighting onboard ships under construction.
- Replacement of 70 W HPSV periphery light with 30 W LED light and Installation of occupancy sensors.
- Directed the subcontractors for use of energy efficient inverter type welding machines.
- Observation of Energy conservation week wherein various training programs on Energy conservation, Energy efficiency and Renewable energy were conducted.
- Display of various Energy saving banners, posters and stickers in the yard for spreading awareness on energy conservation.
- Renovation of 9000 LPD solar water heater above canteen building.
- Procurement of two nos 2 KW solar power plant is in progress
- Procurement of 20 Nos. solar street lights is in progress.

23. Heavy Engineering Corpn. Ltd.

- Installation of New generation machines / facilities and new operational technology will effect marked reduction in energy consumption.

24. Hindustan Antibiotics Ltd.

- Commissioned briquette based boiler to reduce the fuel cost.
- Commissioned new cooling tower to improve the efficiency of refrigeration system.
- Rationalization of steam headers.
- Prompt rectification of leakage in the network of steam. chilled water compressed air etc.
- Regular maintenance of steam traps.
- Regular rectification of steam headers, chilled water lines etc.
- Monitoring pumping pressure of chilled water and tower water

- Monitoring chilled water temperature in the range of 9 to 10 degree Celsius
- Monitoring Analysis of utilities vis a vis energy consumption in the production plants by the way of daily and monthly energy audit and taking corrective measures.

25. Hindustan Copper Limited

- Electrical water heater was replaced by solar water heater in few places.
- Large capacity equipment are commissioned in mines for energy conservation besides high productivity.
- Scheduled replacement and preventive maintenance of equipment at Mines and Plants for efficient use of energy.
- Power factor improved and maintained near to unity.
- High wattage conventional lights were replaced by low power consuming LED lights
- Old filters were replaced with energy efficient modern ceramic filters

26. Hindustan Fluorocarbons Limited

- Optimization of chilled water system and Replacement of GLC emergency lights with CFL lights.

27. Hindustan Newsprint Ltd.

- Installation of 9 numbers of variable frequency drives, usage of 4600 MT wood fines and 100 MT sludge as fuel, variable frequency drives have been installed for dry and dc cooling blower, replacement of 4 conventional motors with energy efficient motors.
- Replacement of conventional lighting fixtures with led fixtures, revamping thermal insulation for recovery boiler system

28. Hindustan Petroleum Corporation Limited.

Mumbai Refinery:

- In an effort to minimize fuel requirement, refinery has taken up the opportunity of T&I for bringing back all the equipment to original efficiency

in FRE APS/VPS. Online chemical cleaning of Other furnaces in FR-VPS/ FRE-VPS/LR VPS /SEU-II / SEU-III units was carried out. Periodical online furnace cleaning has helped in bringing back to furnace efficiencies to design conditions. These initiatives have resulted in significant improvement in furnace efficiencies and thus savings in fuel consumption.

- Release of hydrocarbon to flare system is normal phenomena owing to operating necessity and safety procedures in refining operation. However, New Flare Gas Recovery compressors were installed and commissioned for recovery of flare gas from HC flare header and reuse as refinery fuel gas. This initiative has resulted in better utilization of flare gases and also helped in reduction of emissions to environment.
- Reduction in potential hydrocarbon loss by using Ultrasonic Leak Detector during periodic safety valves surveys.
- Steam is one of the most important utility for refinery operation and thus is imperative to minimize any heat losses on steam lines. In an effort to minimize the heat losses, conventional insulation is being replaced by Introduction of Perlite insulation on steam lines on preferentially basis and the same will be extended to entire steam network. Zero steam leak concept was introduced unit wise with focus on steam leak. Under steam trap management, Steam trap validation was done under Phase I of steam trap management program and the progress of the activities are being monitored in Phase II.
- Survey of excess air in furnaces and air leak survey of air header was carried out periodically and identified air leaks were rectified.

Visakh Refinery:

- New Flare Gas Recovery Compressors were installed and commissioned for recovery of flare gas from HC flare header and reuse as refinery fuel gas. This measure has resulted in better utilization of flare gases thereby reduction of emissions.

- Generation of steam can be done through various means and one of the cost effective means is through done recovery of waste heat. Refinery has installed and commissioned New HVGO-LP steam generator in CDU-2 enabling recovery of waste heat.
- For a more efficient and reliable operation, CDU-II reflux pump drive was changed to motor from low efficient turbine drive.
- Recovery of heat has always been of importance in refinery operations as it best way for effective utilization. Shell side modifications of crude preheat exchangers in CDU-I was carried out which resulted in preheat improvement by 5°C.
- Online chemical cleaning of CDU's & DHDS furnaces were carried out, which resulted in reduced stack temperatures and increased heater efficiencies, thereby potential savings in fuel consumption.
- Dedicated facility for draining of oily water emulsion from ATP crude tanks was installed and commissioned.
- Periodic steam leak survey was carried out and the identified leaks were arrested. A comprehensive steam trap management system is in place in the refinery

29. Hindustan Shipyard Ltd.

- Use of APFC capacitor banks to improve power factor.
- Running of heavy loads like Air Compressors are restricted to minimum.
- Reduction of lighting to optimum level using lighting management system and BMS. Operation of Distribution Transformers around 70 per cent loading by turning off during off peak hours.
- Replacement of centralized air conditioners with VRF, VRV air conditioning systems.
- Replacement of old lighting with energy efficient CFL and LED LAMPS.

30. HMT Ltd.

- LED Lights are being used in Township.
- Portable Compressors are being run when less air is required and on Sundays/holidays. Compressed air leakages plugged, resulting in switching off one compressor of 120HP Motor.

31. HMT Machine Tools Ltd.

- Optimum usage of all electrical appliances using solar energy in canteen for cooking.

32. India Tourism Dev. Corpn. Ltd.

- Installation of solar power generation of 100 kw is in progress.

33. Indian Oil Corporation Ltd.

- As a result of various energy conservation measures undertaken, the energy performance parameter (indexed to the complexity of operations) in terms of MBN* of the refineries during the year is 53.8, which is the best ever achieved, as against the energy index of 54.4 in the previous year.
- The energy conservation schemes implemented during the year resulted in an estimated fuel savings of 47,480 MT Standard Refinery Fuel (SRF) in the year, valued at about 90.60 crore. (*MBN–Thousand British Thermal Unit)

34. Kanti Bijlee Utpadan Nigam Ltd.

- Energy audit of unit 2 cooling tower was carried out with the help of CENPEEP. Thermovision scanning of high energy drain system & corrective action has been started to prevent energy loss.

35. Karnataka Antibiotics & Pharmaceuticals Ltd.

- 10 nos. LED solar lights were installed in Factory premises and 5nos 75 watts and 5 nos. 60 watts both were replaced for 250 watts sodium vapour lamps

36. KIOCL Ltd.

- KIOCL has made efforts for installation of

150 KV Roof Top Solar Plant in CPP and Administrative Building.

- Another Cost saving measure was reduced the contract demand from 32 MVA to 30 MVA and also further reduced to 20 MVA from April, 2016 onwards. 50 Nos. of 64 x 1 W LED fitting have been fitted in place of 10 2 Nos. of 125 W and 400 W MV fittings in Stores bin location. The energy saving is 2130 units per month.

37. Mangalore Refinery & Petrochemicals Limited.

- Compressed Air and Nitrogen Leak Survey and rectification.
- Reduction of Slop Generation in DCU by routing Blow down overhead to HCGO Tank.
- Recovery of Flash Steam from Phase-3 SRU.
- Condensate recovery from Fuel, Oil, Tanks
- Recovery of MP steam in CHT unit.
- Impeller trimming of CPP-3 MP BFW Pump.

38. MECON Limited

- Replacement of existing AC system by energy efficient AC system for IT facilities.
- De-lamping permanent disconnection of Ceiling and Exhaust fans.
- Replacement of existing T12 FTL with T5 FTL.
- Replacement of street lights with LED lights at the residential colony in phased manner.
- Solar street lighting has been provided at office and hospital premises.

39. Mineral Exploration Corpn. Ltd.

- MECL has started replacing conventional source of energy with non-conventional Renewable sources from year 2011 12 by Installation of 10.8 KWp (off grid) Solar power plant for 115 Nos. of Street light at Dr. Baba Saheb Ambedkar Bhavan and Utility complex, which resulted in saving of approximately 5,000 units a year.

- Installation of 10 KWp (off grid) Solar power plant for supplying electrical power to luminaries and fans in IT center at Dr. Baba Saheb Ambedkar Bhavan, saving around 5,000 units a year.

40. Mishra Dhatu Nigam Ltd.

- Maximum utilization of revamped Reheating furnaces like Furnace No8B, 9A and 004 for Reheating purpose.
- Loading of materials which are having similar heat cycle in the furnaces up to their full capacity.
- Furnace availability is more than 80 per cent during the financial year.
- The furnaces like VIR and EAF are running continuously i.e. running the furnaces in C shift also to utilize the heat remaining in the previous melt and other areas like HRM, CRM and B&WD, there by direct reduction in energy consumption.
- Introduction of LED lighting system for street lights near QCL Building.

41. National Aluminium Company Limited

a) Bauxite Mines

- Replacement of condenser coils damaged due to wind flow in the outdoor units of 4 x 13 Ton air conditioners (AC 2 & 4) & modification of the mounting arrangements of all 04 nos. of ACs have been carried out thus enabling efficient cleaning leading to net annual energy savings of 3 TOE (approx).
- 50 nos. of existing ceiling fans were replaced with 5 star energy efficient ceiling fans, resulted in net annual savings of 0.1 TOE (approx.).

b) Alumina Refinery

- The existing Air pre heater (APH) unit in the Boiler #2 of SPP was replaced with a new APH, thus achieving effective heat transfer from flue gas to combustion air enhancing combustion efficiency. This has resulted in energy savings

of 2450 TOE.

- Installation of Magna drive coupling in conveyors 5A, 5B and 6B has contributed to reduction in electrical energy consumption of 1.88TOE, besides obtaining other operational advantages i.e. significant reduction in vibration, ease in O&M etc.
- Dump steam condenser steam control valves were successfully replaced thus eliminating steam passing, resulting in energy savings of 2912TOE.
- Modifications in the Plate heat Exchanger (PHE) at evaporation area was successfully carried by use of the old PHE plates from 06 area, contributing to savings in thermal energy of about 205 TOE. This modification also ensured availability of adequate amount of cold sodic condensate to SPP

c) Smelter Plant

- The specific DC energy consumption achieved in the Smelter Plant during the F.Y. 2015-16, was 13453 KWHr/MT of Hot metal against the assigned target of 13500 KWHr/MT. This was achieved by use of ALPSYS Pot regulation system in all the Pot Lines thus reducing anodic problems, wedge drop & stem beam drops.
- Use of graphitized cathode blocks, slotted anodes and increase in Anode stub hole and pin length in running pots also improved energy efficiency. A few other projects taken up at Smelter in the Perform, Achieve and Trade Cycle 1 were completed during this year.
- Replacement of TFL tubes with T5 lamps.
- Use of timer based lighting system in plant & township areas.
- Use of energy efficient motors in place of standard motors.
- All these contributed to total annual energy savings of 1515 TOE.

d) Captive Power Plant

- Installation of one energy efficient 850 KW motor (Siemens make) in the Auxiliary Cooling Water system at Cooling Water Pump House is estimated to have contributed to savings in power consumption of about 60 TOE.
- Procurement and installation of energy efficient tube light fittings (2 x 28 Watt) and electronic choke in place of copper chokes for energy saving purposes is in progress. This year total 474 nos. of tube light fittings and 693 electronic chokes have been replaced which will save 78.5 TOE per annum.
- In order to improve the cooling tower performance, inspection doors of Cooling Tower fans of 4 nos. of units have been provided with extra locking arrangement so that dislodging of doors are avoided.
- In addition to this damaged drift eliminators in cooling tower-7&8 were replaced to improve the performance. By these initiatives i.e. sealing of doors and replacement of drift eliminators , effectiveness of cooling tower is estimated to improve by about 1%

42. National Fertilizers Ltd.

- Commitment to achieve lowest possible energy consumption is one of the foremost goals of the company. Taking this forward, Purge Gas Recovery plant has been installed in Ammonia plant of Vijaipur II. With the commissioning of PGR NFL Vijaipur will be able to further increase its urea production by 140 MT per day leading to corresponding reduction of 0.06 Gcal per MT urea in energy consumption.
- Similarly at Panipat and Bathinda Units the redundant S200 synthesis converter which was replaced with S300 during Ammonia feedstock changeover project shall be reinstalled in parallel to further bring down the energy consumption by 0.05 Gcal per MT urea at these two units.
- Preventive maintenance practices have been adopted for reducing the downtime leading to

improved energy consumption. Panipat Unit achieved ever best onstream efficiency of 95.3 per cent while Nangal, Bathinda and Vijaipur II units achieved an on stream efficiency of more than 90 per cent

43. National Research Development Corpn.

- The company licenses technologies to Industry which are clean and green.

44. National Textile Corpn. Ltd.

- NTC organized the energy conservation programme in 23 mills and saved about ₹6.00 crore in the year 2015 16 by installing energy saving items.

45. NBCC (India) Ltd.

- Construction of Biodigester Toilets Lighting System at NBCC Corporate Office.
- Installation of Solar PV Plant and Plastic Waste Recycling Plant at New Moti Bagh, New Delhi.
- Installation Of Construction And Demolition Waste Recycling Plant at Project Site of Redevelopment of East Kidwai Nagar, New Delhi

46. NHPC LTD.

- Energy Audit of thirteen power stations out of the eighteen power stations had been carried out to re-asses the conservation of energy.
- Energy audit of four power stations viz. Nimmo Bazgo 45 MW, Uri II 240 MW, Parbati III 520 MW and Teesta Low Dam III 132 MW power stations has been carried out during the financial year 2015 16.
- Energy savings of 7.53 MU per year have been achieved till date and a balance of 6.74 MU per year shall be achieved in near future.
- NHPC Ltd has constructed Phase II Building at Corporate Office in line with Energy Conservation Building Code and was awarded 4 star provisional rating by GRIHA Green Rating for Integrated Habitat Assessment under green building concept.

47. NLC India Limited

- Solar water heater commissioned in Neyveli Guest House and Hospital.
- Energy Conservation Committees have been formed in 14 Industrial/Service Units for adopting energy conservation measures.
- energy conservation is being achieved through regular maintenance, replacements, using energy efficient equipment.
- To inculcate the culture of Energy Conservation, National Energy Conservation week was observed and about 750 school children were given awareness on “Energy Conservation and Environment”

48. NMDC Ltd.

- Audit recommendations are being implemented for energy conservation based on the energy audits undertaken at all the projects.
- LED illuminations are being installed. Power factor is being maintained above 0.96 with static capacitors on HT and LT side.
- 30KW Rooftop Hybrid Solar Power Plant is going to be installed on the rooftop of Head Office building, Hyderabad.
- Installation of 10MW overland SPP and 1MW Roof top SPP is under consideration by the Board.

49. North Eastern Electric Power Corporation Ltd.

Audit of Power Stations has already been completed.

Installation of occupancy sensors in ACs for saving lighting energy.

Replacement of conventional luminaires with LED luminaires, conventional street light with solar street light in the plants under operation is being taken up in phased manner.

50. NTPC Ltd.

- Energy audits of 20 stations were conducted during the financial year.

- Replacement of inefficient BFP cartridges and attending BFP recirculation valves based on high SEC.
- Energy Efficient Coating on pump internals of Cooling Water and other large water pumps, HPBFP gear box modification to save energy.
- Installation of VFDs in various LT drives, Retrofitting of magnetic coupling in pumps.
- Replacing existing motors with Energy Efficient motors, Installing grid connected roof top Solar PV systems.
- Replacing old compressor with energy efficient screw compressor, ESP hopper heater modification to save energy.
- Installing solar water heaters, Optimization of operation of CW pumps, etc.

51. Nuclear Power Corpn. Of India Ltd.

- The energy conservation committees at each station met periodically to review and suggest measures for energy conservation and improvement in energy efficiency both at plant site and township.
- Each station is in the continuous process of replacing inefficient incandescent light bulb with a more efficient compact fluorescent bulb/ LED, add extra or modified insulation over hot surfaces, using energy star appliance, replacing older model appliances or equipment with energy efficient appliances or equipment, use of solar lights etc.

52. Numaligarh Refinery Ltd.

- Installation of plate type heat exchanger in HGU flue gas duct.
- CDU VDU column internal modification for yield and energy optimization.
- Replacement of High Capacity Tray in HCU fractionator.
- Replacement of RGC rotor with new anti-surge valve in MSU
- Emissivity coating for controlled thermal radiative and convective heat transfer from the

Furnace surface and tubes of Process units.

- Up rating of Gas Turbine 1 for augmentation of capacity by 5 megawatt.
- Replacement of metallic blades with E FRP blades in all the air fin fan coolers of the Process Units
- Installation of Ultrasonic Activator in CDUVDU in upstream of crude booster pump
- Modification in DCU by diversion of Slop as Chamber Quench instead of SRGO as quench. This has enabled reduction in slop generation by 85 to 90 per cent average
- Stoppage of a STG CT fan about 75KW.
- Diversion of the Stabilizer off gas ex CDU to DCU LPG compressor to recover the LPG component at around 40per cent.

53. Oil and Natural Gas Corporation Limited.

- Revised policy guideline on usage of LED Lights for all types of lighting applications across ONGC has been formulated and got approved by Management.
- During the year LED Retrofit tube lights (20 W) were replaced in place of conventional 36W/40W tube lights having power consumption of approx.. 50W at many locations.
- 25 KW rooftop Solar Plant was installed at KDMIPE which is feeding power streetlights of KDMIPE.
- Use of Solar power is envisaged for electricity generation of 50-60 KW at CEWELL to take care of about half of CEWELL consumption of electricity.
- Installed 10KW solar PV Power plant LED lighting system for area lighting installed on work-over Rigs at Ankleshwar and Mehsana Asset Officer's Club, Dehradun.
- Installation of 22500 LPD Solar Water Heating System at CISF Colony, Dehradun is in progress.
- Uran Plant has installed a 125 KW Solar Power Plant.

- Hazira plant has replaced five Air Handling units which were 25 years old with technological advanced units resulting in substantial energy savings.
- LP Gas compressor package for recovering flare gas commissioned at North Kadi GGS-iv, Mehsana Asset.
- Hired Gas compressor of 1 LCMD capacity commissioned at CTF in Ankleshwar Asset on March'16
- Implementation of Energy Management System — ISO 50001 at Uran Plant, Ahmedabad Asset (GGS-II & GCP Kalol) and IDT Dehradun.

54. Power Grid Corporation Of India Ltd.

- Energy Audits, Replacing electric fitting, bulbs and indicating lamps with energy efficient bulbs and LEDs, installation of meters for colony, optimizing switching on and timers for switchyard and street lighting, Solar panels for aviation signal lights and Leak proof firefighting systems, etc. New substations buildings at Manesar, Yehalanka are built as per Green Building norm.
- Remote operation, compact sub stations, Bay controllers in switchyard are introduced eliminating additional switchyard and control room requirements.

55. Raitel Corporation India Ltd.

- Use of efficient controlled lighting system using LEDs at Data center in Gurgaon.
- Replacement of old batteries & chargers with new tubular gel batteries for better energy backup & energy conservation.
- The company is in process of conducting energy audit from an independent outside agency for targeting 40% energy saving.

56. Rashtriya Chemicals And Fertilizers Ltd.

- Reduction of Steam Carbon ratio from 4.0 to 3.35 in the Primary Reformer of Ammonia I plant.
- Replacement of nine stage BFW Pump by

eight stage BFW Pump in Boiler no.2 in Steam Generation plant.

- Installation of Ammonia preheater in Urea 11 and Urea 21 units. Installation of 50 KW solar plant at RCF Thal was completed on 11th October 2016.
- Lamp fittings are being replaced in phased manner with energy efficient LED lamps

57. Rashtriya Ispat Nigam Ltd.

- PCI at BF 3 successfully carried out in Nov 2015 in addition to the PCI commissioned in BF 1 and is under stabilization
- LD gas recovery from SMS 2 commissioned in Dec 2015 and is under stabilization
- In BF 3 Waste heat recovery system from flue gases of stoves for preheating of gas was put into service.
- 120MW BF gas based Power Plant commissioned and is under trial runs.
- RINL is in the process of setting up a 5 MW Solar Power Plant.

58. Security Printing & Minting Corpn. India Ltd.

- All units of SPMCIL are using Solar Water Heater in Canteens and Guest Houses.
- The units of SPMCIL have replaced/are in the process of replacing High Electrical power consuming light sources like HPSV/HPMV/ Twin tube light fittings with Low electrical power consuming LED fittings being used for general lighting purpose on perimeter/inside perimeter along the road and also low voltage lamps incandescent lamps/twin tube light fittings are being used as and when required.

59. Shipping Corporation of India Ltd.

- Sea through the exhaust of Marine Diesel Engines and Boilers in addition to other forms of conservation, e.g. use of Fresh Water Generator.
- Application of tin-free self-polishing paints, use of environment friendly refrigerant in air

conditioning plants and for recently delivered ships installation of Ballast Water Treatment plants and Silt Water Management are being introduced.

60. SJVN Ltd.

- Solar street lights and Solar water heaters.
- Turbo vents are being used instead of conventional electrical instruments.
- Installation of Solar Photovoltaic panels of 6 kw capacity at New Office Building.

61. South Eastern Coalfields Ltd.

- Energy saved is energy generated. Recommendations given by Energy Audit regarding measures to save energy are being implemented, considering practical needs.
- Installation of timers in street lights in main colonies and office premises have been completed.
- The replacement of HPSV/HPMV/Metal Halide Lamps with LED/CFL Lamps in street lights of residential areas of SECL are under process.

62. Tamil Nadu Trade Promotion Organization

- Installation of solar energy plant

63. Telecommunications Consultants (India) Ltd.

- Efficient power management, infrastructure sharing, use of eco-friendly renewable energy sources, leveraging the latest technology
- Air conditioning plants of TCIL were replaced with new plants which are more energy efficient and environment friendly saving the electricity consumption to a great extent.

64. Uranium Corporation of India Ltd.

- Installation of VVFD drives in Turamdih plant for operation of pumps.
- Replacement of air agitated pachucas with tanks for leeching in Jaduguda plant.

Chapter - 5

International Operations of CPSEs

The Indian economy has embraced globalization on its own terms and the CPSEs also have a footprint in the global market place. Moreover the prevailing global economic scenario, subdued in this case, also leaves its mark on the international operations of CPSEs. During the year 2015-16, total foreign exchange earnings of CPSEs was ₹77,215.69 crore as against ₹1,03,071.23 crore in 2014-15, showing a decrease of 25.08%. Similarly total foreign exchange expenditure of CPSEs was ₹3,88,045.08 crore in 2015-16 as against ₹5,44,559.79 crore in 2014-15, showing a decrease of 28.74%. During the year 2015-16, as many as 148 CPSEs out of the 244 operating CPSEs either had Foreign Exchange Earnings (FEE) or Foreign Exchange Expenditure (FEE) (Annex 5.1). As many as 34 CPSEs were net foreign exchange earners (Annex 5.1). Out of these 34 CPSEs, 12 CPSEs, namely ONGC Mangalore

Petrochemicals Ltd., National Aluminium Company Ltd., Air India Charters Ltd., ONGC Videsh Ltd., Airports Authority of India, NTPC Vidyut Vyapar Nigam Ltd., Air India Air Transport Services Ltd., Rites Ltd., Engineers India Ltd., Indian Rare Earths Ltd., Hindustan Copper Ltd. and WAPCOS Ltd. each earned net foreign exchange of more than ₹100 crore during 2015-16.

5.1 Foreign Exchange Earnings

Table 5.1 below shows the (13) CPSEs that had gross foreign exchange earnings of more than ₹1000 crore, during 2015-16. Out of these 13 CPSEs, 4 CPSEs namely Air India Ltd. ONGC Mangalore Petrochemicals Ltd., Air India Charters Ltd. and Rashtriya Ispat Nigam Ltd. have shown increase in gross foreign exchange earnings in 2015-16. Rest of the CPSEs have shown reduction in their gross foreign exchange earnings during 2015-16.

Table 5.1
Gross Foreign Exchange Earnings of select CPSEs
(more than ₹1000 crore)

(₹ in crore)

S. No.	CPSE	Gross Foreign Exchange Earnings			Change over the previous year(%)	
		2015-16	2014-15	2013-14	2015-16	2014-15
1	INDIAN OIL CORPORATION LTD.	13923.66	16009.99	21608.13	-13.03	-25.91
2	AIR INDIA LTD.	9319.12	8912.63	11975.78	4.56	-25.58
3	MANGALORE REFINERY & PETROCHEMICALS LTD.	8746.15	19507.84	33952.38	-55.17	-42.54
4	ONGC VIDESH LTD.	7681.72	9743.48	10476.66	-21.16	-7
5	BHARAT PETROLEUM CORPN. LTD.	7137.95	12364.27	19122.06	-42.27	-35.34
6	SHIPPING CORPORATION OF INDIA LTD.	3771.56	4103.73	4301.7	-8.09	-4.6
7	BHARAT HEAVY ELECTRICALS LTD.	3649.85	5433.5	8777.74	-32.83	-38.1
8	ONGC MANGALORE PETROCHEMICALS LTD.	3522.06	0	0	NA	NA
9	OIL & NATURAL GAS CORPORATION LTD.	3033.21	5022.8	7488.99	-39.61	-32.93
10	NATIONAL ALUMINIUM COMPANY LTD.	3008.18	3160.71	3617.2	-4.83	-12.62
11	HINDUSTAN PETROLEUM CORPN. LTD.	1810.68	5313.98	4231.03	-65.93	25.6
12	AIR INDIA CHARTERS LTD.	1634.27	1466.86	1330.65	11.41	10.24
13	RASHTRIYA ISPAT NIGAM LTD.	1198.96	868.48	741.45	38.05	17.13

5.1.1 Sources of Foreign Earnings

Exports of goods & merchandise, and other income are the major sources of foreign exchange earnings of CPSEs. Exports of merchandise was the

major source of foreign exchange earnings in last three years 2013-14 to 2015-16. Its share in total foreign exchange earnings, decreased from 84.15% in 2013-14 to 76.62% in 2015-16 (Table 5.2). The share of Royalty, Know-How, Consultancy Fee and Fee for

Professional Services as sources of foreign exchange decreased from 1.36% in 2013-14 to 0.68% in 2015-

16. As a whole, there is a reduction of (-) 25.08% in foreign exchange earnings as compared to last year.

Table 5.2
Foreign Exchange Earnings of all CPSEs
(2015-16, 2014-15 and 2013-14)

(₹ in crore)

S. No.	Particulars	Foreign Exchange Earnings			Change over the previous year (%)	
		2015-16	2014-15	2013-14	2015-16	2014-15
(i)	Export of Goods on FOB basis	59165.06 (76.62)	84732.2 (82.21)	122186.57 (84.15)	-30.17	-30.65
(ii)	Royalty, Know-how, Professional and Consultancy fee	524.98 (0.68)	445.84 (0.43)	1976.76 (1.36)	17.75	-77.45
(iii)	Interest and Dividend	721.97 (0.94)	120.65 (0.12)	170.64 (0.12)	498.4	-29.3
(iv)	Other Income	16803.68 (21.76)	17772.65 (17.24)	20861.99 (14.37)	-5.45	-14.81
	Grand Total (i) to (iv)	77215.69 (100)	103071.34 (100)	145195.96 (100)	-25.09	-29.01

Note: Figure in brackets are per centage of total

5.2 Foreign Exchange Expenditure

Table 5.3 shows the (24) CPSEs that had gross foreign exchange expenditure of more than ₹1000 crore during 2015-16. In terms of growth/

change in foreign exchange expenditure during 2015-16 over 2014-15, there was a general reduction in the foreign exchange expenditure (FEE) over last year by (-) 28.74% (Table 5.4).

Table 5.3
Gross Foreign Exchange Expenditure of Select CPSEs
(more than ₹1000 crore)

(₹ in crore)

S. No.	CPSE	Gross Foreign Exchange Expenditure			Change over the previous year (%)	
		2015-16	2014-15	2013-14	2015-16	2014-15
1	INDIAN OIL CORPORATION LTD.	136188.66	193572.52	230120.52	-29.64	-15.88
2	BHARAT PETROLEUM CORPN. LTD.	50701.31	80736.57	91471.64	-37.2	-11.74
3	MANGALORE REFINERY & PETROCHEMICALS LTD.	31200.83	49131.5	65677.54	-36.5	-25.19
4	HINDUSTAN PETROLEUM CORPN. LTD.	29490.96	47116.65	58499.29	-37.41	-19.46
5	OIL & NATURAL GAS CORPORATION LTD.	23024.05	18919.79	38384.44	21.69	-50.71
6	CHENNAI PETROLEUM CORPORATION LTD.	17446.69	40182.52	42228.86	-56.58	-4.85
7	STEEL AUTHORITY OF INDIA LTD.	11679.86	13584.07	16056.08	-14.02	-15.4
8	AIR INDIA LTD.	10749.14	9297.31	7718.82	15.62	20.45
9	M M T C LTD.	9183.65	13808.53	16268.82	-33.49	-15.12
10	STATE TRADING CORPN. OF INDIA LTD.	8254.75	11191.18	12393.8	-26.24	-9.7
11	HINDUSTAN AERONAUTICS LTD.	7716.84	10288.52	12401.2	-25	-17.04
12	ONGC VIDESH LTD.	6852.14	2616.25	23027.68	161.91	-88.64
13	BHARAT HEAVY ELECTRICALS LTD.	4217.44	4539.76	6928.08	-7.1	-34.47
14	SHIPPING CORPORATION OF INDIA LTD.	3678.42	4183.32	4570.06	-12.07	-8.46

15	P E C LTD.	3416.57	4669.29	4953.17	-26.83	-5.73
16	RASHTRIYA ISPAT NIGAM LTD.	3221.75	3588.09	4027.51	-10.21	-10.91
17	POWER GRID CORPORATION OF INDIA LTD.	2966.25	4156.48	5334.22	-28.64	-22.08
18	GAIL (INDIA) LTD.	2558.71	8088.49	9229.22	-68.37	-12.36
19	BHARAT ELECTRONICS LTD.	2279.33	0	0	NA	NA
20	NTPC LTD.	2220.05	3750.71	3443.37	-40.81	8.93
21	MAZAGON DOCK SHIPBUILDERS LTD.	2050.59	1094.39	2610.45	87.37	-58.08
22	HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	1511.04	2421.45	2340.63	-37.6	3.45
23	M S T C LTD.	1359.53	1603.48	3145.94	-15.21	-49.03
24	SECURITY PRINTING & MINTING CORPN. INDIA LTD.	1072.92	1104.61	826.23	-2.87	33.69

Out of 24 CPSEs, 5 CPSEs namely Oil and Natural Gas Corporation Ltd., Air India Ltd., ONGC Videsh Ltd., Bharat Electronics Ltd. And Mazagon Dock Shipbuilders Ltd. have shown an increase in foreign expenditure as compared to last year.

Table 5.4 below shows the expenditure of foreign exchange under different heads of import of goods (raw material/plants & machinery), consultancy fee and other payments.

Table 5.4
Items of Foreign Exchange Expenditure of all CPSEs
(2015-16, 2014-15 and 2013-14)

(₹ in crore)

S. No.	Particulars	Foreign Exchange Expenditure			Change over the previous year (%)	
		2015-16	2014-15	2013-14	2015-16	2014-15
(a)	Imports (CIF Basis)					
(i)	Raw materials/Crude oil	283870.86 (93.33)	443350.61 (95.49)	536975.23 (92.44)	-35.97	-17.44
(ii)	Stores, Spares & Components	11148.37 (3.67)	11155.96 (2.4)	13955.63 (2.4)	-0.07	-20.06
(iii)	Capital Goods	9142.72 (3.01)	9770.63 (2.1)	29986.26 (5.16)	-6.43	-67.42
	Sub Total (a)	304161.95 (78.38)	464277.2 (85.26)	580917.12 (85.82)	-34.49	-20.08
(b)	Expenditure on account of :					
(i)	Royalty and Consultancy fee	24961.41 (29.76)	20304.66 (25.29)	20975.7 (21.86)	22.93	-3.2
(ii)	Interest payment	7090.06 (8.45)	6833.79 (8.51)	5372.67 (5.6)	3.75	27.2
(iii)	Others	51807.66 (61.76)	53145.67 (66.2)	69604.19 (72.54)	-2.52	-23.65
(iv)	Dividend remitted in Foreign Currency	24 (0.03)	0 (0)	0 (0)	NA	NA
	Sub Total (b)	83883.13 (21.62)	80284.12 (14.74)	95952.56 (14.18)	4.48	-16.33
	Grand Total (a + b)	388045.08 (100)	544561.32 (100)	676869.68 (100)	-28.74	-19.55

Note: Figure in brackets are per centage of total

The share of 'raw materials' / crude oil continued to claim the largest share of gross foreign

exchange expenditures in last three years of 2013-14 to 2015-16. Its share has increased to 93.33% in

2015-16 from 92.44% in 2013-14. The expenditure in foreign exchange on 'Royalty and Consultancy fee', 'Interest payment' and 'Dividend remitted in Foreign Currency' are showing an increasing trend, where as other items have shown a decline in foreign exchange expenditure in 2015-16 as compared to 2014-15.

5.3 International Finance & Investment

5.3.1 Sources of funds

International finance refers mainly to external commercial borrowings, supplier's credit and funds raised through the equity market abroad. Shares of MTNL (ADR) are listed on the New York Stock Exchange and GAIL (GDR) and SAIL (GDR) are listed on the London Stock Exchange. Funds raised by CPSEs in the form of secured and unsecured loans as on 31.03.2015 and 31.03.2016, are shown at Annex -5.2. Six CPSEs namely, Indian Oil Corporation Ltd., Bharat Petroleum Corporation Ltd., ONGC Videsh Ltd., NTPC Ltd., Power Grid Corporation of India Ltd. and Rural Electrification Corporation Ltd. were the major borrowers in overseas market.

5.3.2 Foreign Investments by CPSEs

Foreign investment comprises off-shore investment by CPSEs through establishment of Indian subsidiaries abroad as well as joint ventures (JVs) and mergers and acquisitions (M&A). Several CPSEs have set up subsidiaries abroad for marketing their products, for procuring raw materials and for consolidating their international operations.

5.4 International Operations of Select CPSEs

The paragraphs below discuss briefly the international operations of 27 CPSEs as top 'foreign exchange earners' or 'foreign exchange spenders' (more than ₹1000 crore):

5.4.1 Air India Charters Ltd.

Air India Charters Ltd. a subsidiary of Air India attained a foreign exchange earnings of ₹1634.27 crore in 2015-16 against ₹1466.86 crore in 2014-15,

showing an increase of ₹167.41 crore. The foreign exchange expenditure, however, stood at ₹735.80 crore in the financial year 2015-16. The net foreign exchange earning was ₹898.47 crore during 2015-16.

5.4.2 Air India Ltd. (AIL)

Air India Ltd. attained foreign exchange earnings of ₹9319.12 crore in 2015-16 against ₹8912.63 in 2014-15, an increase of ₹406.49 crore. The foreign exchange expenditure stood at ₹10749.14 crore in the financial year 2015-16. The net foreign exchange earning was ₹(-) 1430.02 crore during 2015-16.

5.4.3 Bharat Electronics Ltd. (BEL)

BEL attained a foreign exchange earnings of ₹558.73 crore in 2015-16 against the foreign exchange earnings of Nil in 2014-15, showing an increase of ₹558.73 crore. The foreign exchange expenditure, however, stood at ₹2279.33 crore in the financial year 2015-16. The net foreign exchange earning was ₹(-)1720.60 crore during 2015-16.

5.4.4 Bharat Heavy Electricals Limited (BHEL)

BHEL attained a foreign exchange earnings of ₹3649.85 in 2015-16 against the foreign exchange earnings of ₹5433.50 crore in 2014-15, showing a decrease of ₹322.32 crore. The foreign exchange expenditure, however, stood at ₹4217.44 crore in the financial year 2015-16. The net of foreign exchange earning was ₹(-) 567.59 crore during 2015-16.

BHEL has led Indian engineering enterprises across the globe for over four decades. The company's export references encompass almost the entire range of BHEL's products and services, covering thermal, hydro and gas-based turnkey power projects, substation projects, rehabilitation projects, besides a wide variety of products like transformers, compressors, motors, valves, oil field equipment, electrostatic precipitators, photovoltaic equipment, insulators, heat exchangers, switchgears, castings and forgings, etc.

The cumulative installed capacity of power

plants overseas with BHEL supplied equipment stands at close to 10 GW. The first large turnkey project export by an Indian company was executed by BHEL in Libya (1980) and since the past few decades, BHEL has been expanding its operations in the field of exports. Currently, the company has established references in 78 countries across the globe with major contributions in the power sector of various countries.

5.4.5 Bharat Petroleum Corporation Ltd. (BPCL)

BPCL Ltd attained foreign exchange earnings of ₹7137.95 crore in 2015-16 against ₹12364.27 crore in 2014-15, a decrease of ₹5226.32 crore. The foreign exchange expenditure, however, stood at ₹50701.31 crore in the financial year 2015-16 against ₹80736.57 Crore in the previous year. The net of foreign exchange earning was ₹(-) 43563.36 crore during 2015-16.

BPCL in order to meet the higher crude oil processing requirement of 23.30 MMT during 2015-16, compared to 22.75 MMT during 2014-15, ITRM imported 18.47 MMT of crude oil during 2015-16, compared to 18.15 MMT during the previous year 2014-15. During the year 2015-16, the Company imported 18.47 MMT crude oil at the FOB cost of USD 6.51 billion (₹ 42,597 crores) as against FOB cost of 18.15 MMT crude imported amounting to USD 11.66 billion (₹ 71,137 crores) in the previous year. The average price paid by BPCL for the crude oil imported during the year 2015-16 was USD 46.89 per barrel as compared to USD 85.44 per barrel in the previous year. These are marginally higher than the average cost of Indian basket of crude oil at USD 46.25 per barrel in the year 2015-16 and USD 84.16 per barrel in the year 2014-15, as 55.30% of crude oil imported by BPCL was low sulphur crude oil, whereas the share of low sulphur crude oil was only 27.70% in the Indian basket of crude oil, in the year 2015-16. The total foreign exchange outgo on account of imports of crude oil (including high sea sales and excluding high sea purchases) during the year 2015-16 was USD 6.60 billion (₹43,239 crores) as against USD 11.79 billion (₹71,916 crores) in the

previous year 2014-15.

Import of LPG increased marginally to 2.105 MMT during the year 2015-16 compared to 2.04 MMT during the year 2014-15. However, the purchase value declined to USD 848 million (₹ 5531 crores) in 2015-16 compared to USD 1,372 million (₹ 8,379 crores) in 2014-15, due to decrease in global prices of LPG by around 40 % in 2015-16 compared to 2014-15.

The total foreign exchange outgo on account of imports of LPG (including high sea sales and excluding high sea purchases) during the year 2015-16 was USD 737 million (₹ 4,811 crores) as against USD 1,195 million (₹ 7,309 crores) in the previous year 2014-15. On the export side, export of refined petroleum products reduced to 1,888 TMT during the year 2015-16, as against 2,203 TMT in the year 2014-15, by maximizing distillate production. Naphtha exports declined slightly to 1,027 TMT in the year 2015-16 compared to 1,040 TMT in the year 2014-15 and its realization decreased to USD 430 million in the year 2015-16 compared to USD 731 million in the year 2014-15. Fuel oil exports declined to 726 TMT in the year 2015-16 compared to 967 TMT in the year 2014-15 and its realization decreased to

USD 152 million in 2015-16 compared to USD 454 million in 2014-15. Export of Benzene, however, increased slightly to 49 TMT in 2015-16 compared to 45 TMT in 2014-15. However, the realization was USD 30 million in 2015-16 compared to USD 42 million in 2014-15, due to depressed global Benzene prices.

5.4.6 Chennai Petroleum Corporation Ltd. (CPCL)

The Company has no export obligation (2015: Nil) on account of concessional rate of customs duty availed under EPCG scheme on import of capital goods/Advance License scheme on import of crude oil.

The foreign exchange expenditure, however, stood at ₹17446.69 crore in the financial year 2015-16 and was ₹40182.52 Crore in the previous year.

The net foreign exchange earning was ₹(-) 17446.69 crore during 2015-16.

5.4.7 GAIL (INDIA) LTD. (GAIL)

GAIL had foreign exchange earnings of ₹866.54 crore in 2015-16 against the foreign exchange earnings of ₹644.49 crore in 2014 -15, an increase of ₹222.05 crore. The foreign exchange expenditure, however, stood at ₹2558.71 crore in the financial year 2015-16 and was ₹8088.49 Crore in the previous year. The net foreign exchange earning was ₹(-) 1692.17 crore during 2015-16.

In 2011, GAIL contracted 3.5 MMTPA of LNG from Cheniere Energy, USA on FOB basis for an initial period of 20 years. Further, in 2013 your company subsidiary GAIL Global (USA) LNG LLC also signed a Terminal Service Agreement (TSA) for booking 2.3 MMTPA of liquefaction capacity in the Dominion Cove Point terminal for 20 years. The initial supplies from both these contracts are expected to commence from early 2018. Currently, GAIL is in the process of long term charter hiring of LNG ships through the international competitive bidding route.

The company is pursuing a leading role in the Turkmenistan–Afghanistan–Pakistan–India (TAPI) Pipeline project to receive natural gas supply from the Galkynysh fields of Turkmenistan. Tapi Pipeline Company Limited (TPCL) was incorporated in November 2014 in ‘Isle of Man’, to build, own and operate the proposed TAPI pipeline. In August 2015, Turkmengaz was endorsed as the Consortium Leader of the project by the TAPI entities. The Shareholders Agreement of TPCL was signed among the shareholders on December 13, 2015 while the Investment Agreement was signed on April 07, 2016. GAIL holds 5% equity in TPCL.

5.4.8 Handicrafts and Handloom Exports Corporation of India

Handicrafts and Handloom Corporation of India’s attained a foreign exchange earnings of ₹20.46 crore in 2015-16. The foreign exchange expenditure, however, stood at ₹1511.04 crore in the financial year 2015-16 against ₹2421.45 crore in

the previous year. The net foreign exchange earning was ₹(-) 1490.58 crore during 2015-16 as against ₹(-) 2390.77 in previous year.

HHEC is engaged in export & domestic sales of handicrafts, handlooms products, ready-to-wear garments (including manufacturing), and carpets, sales of gold and silver jewellery / articles and import & domestic sale of bullion.

5.4.9 Hindustan Aeronautics Ltd. (HAL)

HAL had foreign exchange earnings of ₹404.85 crore in 2015-16 against the foreign exchange earnings of ₹417.29 crore in 2014-15, a decrease of ₹12.44 crore. The foreign exchange expenditure, however, stood at ₹7716.84 crore in the financial year 2015-16 and was ₹10288.52 crore in the previous year. The net foreign exchange earning was ₹(-) 7311.99 crore during 2015-16.

5.4.10 Hindustan Petroleum Corporation Limited (HPCL)

HPCL attained foreign exchange earnings of ₹1810.68 crore in 2015-16 against ₹5313.98 crore in 2014-15, a decrease of ₹3503.30 crore. The foreign exchange expenditure, however, stood at ₹29490.96 crore in the financial year 2015-16 against ₹47116.65 crore in the previous year. The net foreign exchange earning was ₹(-) 27680.28 crore during 2015-16.

Various initiatives have been taken to increase exports and for development of new Export markets for products and services. Efforts are on to access international markets and to tap export potential for free trade products and lubricants. Aviation SBU provides fuelling services to the aviation industry through its vast network of Aviation Service Fuel stations (ASFs) covering all the major airports in India. HP aviation fuelling service meets and exceeds the stringent International regulations for handling Jet fuel. During 2015-16, Aviation SBU has achieved Sales volume of 610 TMT with growth of 20.6 % against PSU industry growth of 5.8% resulting in a Market share gain of 1.3%.

5.4.11 Indian Oil Corporation Ltd. (IOCL)

IOCL attained foreign exchange earnings

of ₹13923.66 crore in 2015-16 against ₹16009.99 crore in 2014-15, a decrease of ₹2086.33 crore. The foreign exchange expenditure, however, stood at ₹136188.66 crore in the financial year 2015-16 against ₹193572.52 crore in the previous year. The net foreign exchange earning was ₹(-) 122265 crore during 2015-16.

The Corporation imported 49.004 million tonnes of crude oil valued at ₹ 1,08,989 crore during the year, as against 43.919 million tonnes valued at ₹ 1,65,065 crore in the previous year, to meet its crude oil requirements through a carefully selected and diversified mix of supply sources. The import of petroleum products during the year was 5.958 million tonnes, valued at ₹ 20,351 crore, as against 4.908 million tonnes valued at ₹ 22,263 crore in the previous year. The Corporation also exported petroleum and petrochemical products worth ₹ 13,874 crore during the year as against ₹15,668 crore in the previous year. The reduction in value of imports and exports is mainly due to decrease in international prices.

The Company undertakes overseas business activities through its subsidiaries at Mauritius, Sri Lanka, UAE, Sweden, USA and Netherlands. In addition, the Company is engaged in exploration and production (E&P) of crude oil and gas through its consortium partners at 7 international locations, namely, USA, Libya, Gabon, Nigeria, Yemen, Canada and Venezuela.

5.4.12 MMTC Ltd.

MMTC Ltd. attained foreign exchange earnings of ₹682.49 crore in 2015-16 against ₹2299.69 crore in 2014-15, a decrease of ₹1617.2 crore. The foreign exchange expenditure, however, stood at ₹9183.65 crore in the financial year 2015-16 against ₹13808.53 crore in the previous year. The net foreign exchange earning was ₹(-) 8501.16 crore during 2015-16.

The principal activities of the Company are export of Minerals and import of Precious metals, Non-Ferrous Metals, Fertilizers, Agro Products, Coal and Hydrocarbon etc. MMTC also deals in

Engineering products and Drugs & Pharmaceuticals. The company is one of India's largest exporter of Minerals, leading exporters/importer of Agri commodities, major importer / supplier of Metals including Gold & Silver and a major player in the Coal and hydrocarbons imports by the country.

The Company's trade activities span across various countries in Asia, Europe, Africa, Middle East, Latin America and North America.

Continuation of restrictions on Iron ore mining and its ban on movement for exports from Bellary-Hospet Sector, regulation of export from Eastern Sector, uncompetitive FOB sale prices of Indian origin ore vis-à-vis other international supplier (on account of high railway freight for exports, export duty), subdued iron ore demand/prices in the international/spot market, general slowdown of Chinese economy, increase in domestic demand of ore, etc. continued to have impact on the quantum of Indian iron ore exports during 2015-16.

However, MMTC was able to successfully finalise the new long term agreement with Japanese Steel Mills and POSCO, South Korea which will give assured export volumes of Iron ore export for the next three years. Despite this and the stiff competition at national and international levels, MMTC continued to maintain its position as a prominent exporter of minerals during the year under review.

5.4.13 M S T C Ltd.

M S T C Ltd. attained foreign exchange earnings of ₹0.05 crore in 2015-16 against 0.13 crore in 2014-15. The foreign exchange expenditure, however, stood at ₹1359.53 crore in the financial year 2015-16 and was ₹1603.48 crore in the previous year. The net foreign exchange earning was ₹(-) 1359.48 crore during 2015-16.

5.4.14 Mangalore Refinery and Petrochemicals Limited (MRPL)

MRPL attained foreign exchange earnings of ₹8746.15 in 2015-16 against the foreign exchange earnings of ₹19507.84 crore in 2014-15, a decrease of ₹10761.69 crore. The foreign exchange

expenditure, however, stood at ₹31200.83 crore in the financial year 2015-16 and was ₹49131.50 crore in the previous year. The net foreign exchange earning was ₹(-) 22454.70 crore during 2015-16.

MRPL has processed various opportunity crude, which has to expand its crude basket during 2015-16 as well. To explore the new sources of crude oil and look for optimize, the company is in discussion with prospective/new term crude oil suppliers from countries/sources like Colombia, Mexico, Venezuela, etc for supply of crude oil in addition to enhancement of volumes from current suppliers. With the commissioning of Phase-III, the company has started processing heavier crude oil(s).

MRPL imports around 80% of its requirement of crude oil and is presently exporting approximately 47% of the total production. The company has also plans to procure approximately 15-20% crude in International spot markets for taking advantage of flexible pricing through spot tender.

The company won the “Export Excellence Award, 2015” in Best Exporter Category (Medium/large category) from the Federation of Karnataka Chamber of Commerce and Industry.

5.4.15 Mazagon Dock Ltd. (MDL)

MDL has no foreign exchange earnings in 2015-16 against the foreign exchange earning of ₹279.54 crore in 2014-15. The foreign exchange expenditure, however, stood at ₹2050.59 crore in the financial year 2015-16 and was ₹1094.39 crore in the previous year. The net foreign exchange earning was ₹(-) 2050.59 crore during 2015-16.

5.4.16 National Aluminum Company Ltd. (NALCO)

National Aluminum Company Ltd. attained a foreign exchange earnings of ₹3008.18 crore in 2015-16 against ₹3160.71 crore in 2014-15, a decrease of ₹152.53 crore. The foreign exchange expenditure, however, stood at ₹245.55 crore in the financial year 2015-16. The net foreign exchange earning was ₹2762.63 crore during 2015-16.

5.4.17 NTPC LTD.

NTPC attained a foreign exchange earnings of ₹3.97 crore in 2015-16 against the foreign exchange earnings of ₹3.41 crore in 2014-15. The foreign exchange expenditure, however, stood at ₹2220.05 crore in the financial year 2015-16 and was ₹3750.71 crore in the previous year. The net foreign exchange earning was ₹(-) 2216.08 crore during 2015-16.

During 2015-16, NTPC imported 9.7 MMT (including SWAP) of coal as against 16.4 MMT in 2014-15. Sipat station received 0.53 MMT of domestic coal against swapping of imported coal with GSECL. During the year under review, approx. 57.2% of coal (domestic and international) was transported through merry-go-round (MGR) system of the company.

5.4.18 Oil and Natural Gas Corporation Ltd. (ONGC)

ONGC attained foreign exchange earnings of ₹3033.21 crore in 2015-16 against ₹5022.8 crore in 2014-15, a decrease of ₹1989.59 crore. The foreign exchange expenditure, however, stood at ₹23024.05 crore in the financial year 2015-16 against ₹18919.79 crore in the previous year. The net foreign exchange earning was ₹(-) 19990.84 crore during 2015-16.

5.4.19 ONGC Managlore Petrochemicals Ltd.

ONGC Managlore Petrochemicals Ltd. attained foreign exchange earnings of ₹3522.06 crore in 2015-16 against no foreign exchange earnings in 2014-15. The foreign exchange expenditure, however, stood at ₹100.23 crore in the financial year 2015-16. The net foreign exchange earning was ₹3421.83 crore during 2015-16.

5.4.20 ONGC Videsh Ltd.

ONGC Videsh Ltd. attained foreign exchange earnings of ₹7681.72 crore in 2015-16 against ₹9743.48 crore in 2014-15, a decrease of ₹2061.76 crore. The foreign exchange expenditure, however, stood at ₹6852.14 crore in the financial year 2015-16 against ₹2616.25 crore in the previous year. The net of foreign exchange earning was ₹829.58 crore

during 2015-16.

Company is engaged in prospecting for and acquisition of oil and gas acreages outside India for exploration, development and production of oil and gas.

OVL has nine direct foreign subsidiaries as on March 31, 2016, namely ONGC Nile Ganga BV, ONGC Narmada Ltd., ONGC Amazon Alaknanda Limited, Imperial Energy Ltd., (formally Jarpeno Ltd.) ONGC (BTC) Ltd., Carabobo One AB., Beas Rovuma Energy Mozambique Ltd., ONGC Videsh Atlantic Inc. and ONGC Videsh Rovuma Ltd.

5.4.21 PEC Ltd.

PEC Ltd attained foreign exchange earnings of ₹119.93 crore in 2015-16 against the foreign exchange earnings of ₹577.17 crore in 2014-15, a decrease of ₹457.24 crore. The foreign exchange expenditure, however, stood at ₹3416.57 crore in the financial year 2015-16 and was ₹4669.29 crore in the previous year. The net of foreign exchange earning was ₹(-) 3296.64 crore during 2015-16.

PEC is one of the pioneering enterprises providing services in the field of export and import of bulk items viz. agricultural commodities, industrial raw materials, bullion and domestic trade and export of engineering equipment, projects etc.

5.4.22 Power Grid Corporation of India Ltd. (PGCIL)

PGCIL attained foreign exchange earnings of ₹20.28 crore in 2015-16 against the foreign exchange earnings of ₹38.04 crore in 2014-15, a decrease of ₹17.76 crore. The foreign exchange expenditure, however, stood at ₹2966.25 crore in the financial year 2015-16 and was ₹4156.48 crore in the previous year. The net foreign exchange earning was ₹(-) 2945.97 crore during 2015-16.

5.4.23 Rashtriya Ispat Nigam Ltd.

RINL attained foreign exchange earnings of ₹1198.96 crore in 2015-16 against the foreign exchange earnings of ₹868.48 crore in 2014-15, an increase of ₹330.48 crore. The foreign exchange

expenditure, however, stood at ₹3221.75 crore in the financial year 2015-16 and was ₹3588.09 crore in the previous year. The net foreign exchange earning was ₹(-) 2022.79 crore during 2015-16.

5.4.24 Security Printing & Minting Corporation India Ltd. (SPMCIL)

SPMCIL has no foreign exchange earnings in 2015-16 against the foreign exchange earnings of ₹22.84 crore in 2014-15. The foreign exchange expenditure, however, stood at ₹1072.92 crore in the financial year 2015-16 against ₹1104.61 crore in the previous year. The net foreign exchange earning was ₹(-) 1072.92 crore during 2015-16.

5.4.25 Shipping Corporation of India Ltd.

Shipping Corporation of India Ltd. attained foreign exchange earnings of ₹3771.56 crore in 2015-16 against ₹4103.73 crore in 2014-15, a decrease of ₹332.17 crore. The foreign exchange expenditure, however, stood at ₹3678.42 crore in the financial year 2015-16 against ₹4183.32 crore in the previous year. The net foreign exchange earning was ₹93.14 crore during 2015-16.

The Company is engaged in providing sea transportation services with the help of container ships, offshore supply vessels, bulk carriers, crude oil tankers, phosphoric acid/chemical/ LPG/Ammonia carriers, product carriers, anchor handling & towing ships and passenger cum cargo vessels both in India and all over the world

The volume of export and import containers handled at major ports in India rose by 2.98% in 2015-16 from the year ago levels and total cargo tonnage inched up 4.31%, according to the tentative estimates of Indian Ports Association.

5.4.26 State Trading Corporation of India Ltd.

State Trading Corporation of India Ltd. attained foreign exchange earnings of ₹51.14 crore in 2015-16 against ₹126.38 crore in 2014-15, a decrease of ₹75.24 crore. The foreign exchange expenditure, however, stood at ₹8254.75 crore in the financial year 2015-16 against ₹11191.18 crore in the previous year. The net of foreign exchange

earning was ₹(-) 8203.61 crore during 2015-16.

The Corporation exports/imports a diverse range of items to/from countries all over the world. Its export basket includes wheat, rice, castor oil, tea, jute goods, sugar, other agro products, chemicals, pharmaceuticals, steel raw materials, iron ore, light engineering goods, construction materials, consumer goods, textiles, garments, etc. The Corporation also monitors counter trade/offsets commitments against high volume Government purchases.

The export turnover was ₹1110.47 crore during the year 2015-16. The import turnover ₹8735.29 crore as against ₹12041.81 in the previous year mainly due to substantial decline in import of bullion.

5.4.27 Steel Authority of India Ltd. (SAIL)

SAIL attained foreign exchange earnings of ₹557.13 crore in 2015-16 against foreign exchange earnings of ₹1567.68 crore in 2014-15, a decrease of ₹1010.55 crore. The foreign exchange expenditure, however, stood at ₹11679.86 crore in the financial year 2015-16 and was ₹13584.07 crore in the previous year. The net foreign exchange earning was ₹(-) 11122.73 crore during 2015-16.

During the year, India was the only major steel consuming market in the world which exhibited growth. However, due to the oversupply scenario globally, there was an unprecedented surge in imports which increased by 27% over 2014-15 and by 123% over 2013-14. In fact, the increase in net imports in the year was more than the increase in domestic steel consumption. These imports, often at predatory prices, forced significant price cuts by the Indian steel producers, leading to severe margin squeeze.

Government of India has initiated the action for stepping in at this critical juncture and undertaking necessary corrective trade measures. The Government introduced the Minimum Import Price (MIP) mechanism in February 2016, to curb dumping of steel in the country. But for this step, the steel industry would have been reeling under a lot more pressure. However, as per the projected

demand-supply situation, global oversupply would persist in the near future and there is a need for protracted trade measures to provide the Indian steel industry with a level playing field.

SAIL had an export booking of 0.795 million tones, which was significantly more than the previous year. Exports to neighboring markets, however, increased at a faster pace of 15% over the previous year. The Company exported Plates to Brazil for the 1st time and a prestigious export order of Stainless Steel Cold Rolled Coils for French Mint was executed successfully. Total number of SAIL dealers stood at 2172 as on 1st April, 2016.

During the Financial Year 2015-16, total requirement of iron ore was met from captive sources. The Company's captive iron ore mines produced about 24.83 million tonnes(MT). However, in case of coking coal, around 14% requirement was met from indigenous sources (Coal India Limited & captive sources) (2.08MT) and for the balance requirement of coking coal (13.30 MT), the Company has to depend on imports due to limitation of availability within the Country. In the Financial Year 2015-16, production in captive collieries of the Company was about 0.73 MT, out of which 0.56 MT was raw coking coal and balance 0.17MT being non coking coal. In case of fluxes, around 1.28 MT of limestone and 0.98 MT of dolomite were produced, giving a production of 2.26 MT fluxes from captive sources. For thermal coal, the company depends entirely on purchases from Coal India Limited except small quantity produced from captive mines.

5.5 Net Foreign Exchange Utilisation

From the above it can be seen that CPSEs are net foreign exchange utilizer. Further out of 27 major CPSEs having foreign exchange earnings (FEE) or foreign exchange utilization (FEU) of more than ₹1000 crore only, 4 are having net foreign exchange earnings. The petroleum sector and trading sector CPSEs are major net foreign exchange utilizers.

Annex 5.1

Foreign Exchange Earning (FEE) & Foreign Exchange Utilization (FEU) by CPSEs During 2015-16

(₹ in Lakhs)

S. No.	CPSE	FEE	FEU	Net FEE
1	ONGC MANGALORE PETROCHEMICALS LTD.	352206	10023	342183
2	NATIONAL ALUMINIUM COMPANY LTD.	300818	24555	276263
3	AIR INDIA CHARTERS LTD.	163427	73580	89847
4	ONGC VIDESH LTD.	768172	685214	82958
5	AIRPORTS AUTHORITY OF INDIA	91598	27689	63909
6	NTPC VIDYUT VYAPAR NIGAM LTD.	44617	0	44617
7	AIR INDIA AIR TRANSPORT SERVICES LTD.	29158	0	29158
8	BITES LTD.	23348	1437	21911
9	ENGINEERS INDIA LTD.	32922	17013	15909
10	INDIAN RARE EARTHS LTD.	13794	48	13746
11	HINDUSTAN COPPER LTD.	13640	1313	12327
12	WAPCOS LTD.	34170	23069	11101
13	SHIPPING CORPORATION OF INDIA LTD.	377156	367842	9314
14	INDIA INFRASTRUCTURE FINANCE CO. LTD.	13415	7011	6404
15	ENGINEERING PROJECTS (INDIA) LTD.	49929	43728	6201
16	NATIONAL TEXTILE CORPN. LTD.	5256	135	5121
17	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	3523	31	3492
18	CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.	3044	3	3041
19	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	4047	1093	2954
20	HINDUSTAN INSECTICIDES LTD.	2866	441	2425
21	IRCON INFRASTRUCTURE & SERVICES LTD.	1553	191	1362
22	INDIA TOURISM DEV. CORPN. LTD.	1795	991	804
23	THE JUTE CORPN. OF INDIA LTD.	750	0	750
24	HMT (INTERNATIONAL) LTD.	1342	787	555
25	ANDREW YULE & COMPANY LTD.	449	19	430
26	IT I LTD.	344	0	344
27	PROJECTS & DEVELOPMENT INDIA LTD.	443	140	303
28	COTTON CORPN. OF INDIA LTD.	172	5	167
29	NATIONAL SEEDS CORPN. LTD.	162	4	158
30	AGRINNOVATE INDIA LTD.	154	0	154
31	NATIONAL FILM DEV. CORPN. LTD.	176	46	130
32	RICHARDSON & CRUDDAS(1972) LTD.	11	0	11
33	ASSAM ASHOK HOTEL CORPN. LTD.	2	0	2

34	HOTEL CORPN. OF INDIA LTD.	1	0	1
35	HMT LTD.	19	19	0
36	BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LTD.	0	1	-1
37	HMT BEARINGS LTD.	0	3	-3
38	NATIONAL SCHEDULED TRIBES FINANCE & DEVP. CORPN.	0	3	-3
39	SCOOTERS INDIA LTD.	0	4	-4
40	STCL LTD.	0	6	-6
41	BEL-THALES SYSTEMS LTD.	0	7	-7
42	HSCC (INDIA) LTD.	0	10	-10
43	BHARAT BROADBAND NETWORK LTD.	0	10	-10
44	MAHANADI COALFIELDLS LTD.	0	12	-12
45	ARTIFICIAL LIMBS MFG. CORPN. OF INDIA	2	14	-12
46	BHEL ELECTRICAL MACHINES LTD.	0	14	-14
47	SOLAR ENERGY CORPORATION OF INDIA	0	16	-16
48	VIGNYAN INDUSTRIES LTD.	0	19	-19
49	MINERAL EXPLORATION CORPN. LTD.	0	20	-20
50	NATIONAL RESEARCH DEVELOPMENT CORPN.	0	26	-26
51	COAL INDIA LTD.	0	28	-28
52	MOIL LTD.	0	33	-33
53	NBCC (INDIA) LTD.	0	33	-33
54	HINDUSTAN FLUOROCARBONS LIMITED	33	74	-41
55	BHARATIYA NABHIKIYA VIDYUT NIGAM LTD.	0	48	-48
56	BRAHMAPUTRA VALLEY FERTILIZER CORPN. LTD.	0	51	-51
57	MAHANAGAR TELEPHONE NIGAM LTD.	429	555	-126
58	CERTIFICATION ENGINEERS INTERNATIONAL LTD.	0	136	-136
59	NLC TAMIL NADU POWER LTD.	0	144	-144
60	POWER SYSTEM OPERATION CORPORATION LTD.	0	150	-150
61	BHARAT IMMUNOLOGICALS & BIOLOGICALS CORP. LTD.	0	234	-234
62	HINDUSTAN ANTIBIOTICS LTD.	0	307	-307
63	HOUSING & URBAN DEV. CORPN. LTD.	145	536	-391
64	IRCON INTERNATIONAL LTD.	47975	48372	-397
65	NATIONAL SMALL INDUSTRIES CORPN. LTD.	33	451	-418
66	BROADCAST ENGG. CONSULTANTS INDIA LTD.	115	549	-434
67	BHARAT PUMPS & COMPRESSORS LTD.	0	434	-434
68	BRIDGE & ROOF CO.(INDIA) LTD.	0	448	-448
69	RAIL VIKAS NIGAM LTD.	0	460	-460
70	MECON LTD.	222	713	-491
71	WESTERN COALFIELDS LTD.	0	545	-545
72	INSTRUMENTATION LTD.	39	639	-600

73	CENTRAL MINE PLANNING & DESIGN INSTITUTE LTD.	0	631	-631
74	BHARAT PETRO RESOURCES LTD.	0	644	-644
75	INDIA TRADE PROMOTION ORGANISATION	1355	2009	-654
76	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	813	-813
77	HINDUSTAN NEWSPRINT LTD.	0	1345	-1345
78	SJVN LTD.	0	1947	-1947
79	SAIL REFRACTORY COMPANY LTD.	0	2104	-2104
80	NLC INDIA LTD.	0	2154	-2154
81	HMT MACHINE TOOLS LTD.	24	2216	-2192
82	CENTRAL ELECTRONICS LTD.	75	2768	-2693
83	HLL BIOTECH LTD.	0	2792	-2792
84	HLL LIFECARE LTD.	12828	15904	-3076
85	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	26	3144	-3118
86	KIOCL LTD.	0	3479	-3479
87	CENTRAL COALFIELDS LTD.	0	3792	-3792
88	HEAVY ENGINEERING CORPN. LTD.	0	4015	-4015
89	SOUTH EASTERN COALFIELDS LTD.	0	4394	-4394
90	BHARAT COKING COAL LTD.	0	4545	-4545
91	PRIZE PETROLEUM COMPANY LTD.	0	5155	-5155
92	BHARAT SANCHAR NIGAM LTD.	14400	20004	-5604
93	RAILTEL CORPORATION INDIA LTD.	0	5611	-5611
94	NEPA LTD.	0	5632	-5632
95	INDIAN RENEWABLE ENERGY DEVT.AGENCY LTD.	123	6484	-6361
96	BRAHAMPUTRA CRACKERS & POLYMER LTD.	0	7244	-7244
97	NORTHERN COALFIELDS LTD.	0	7380	-7380
98	PAWAN HANS LTD.	9103	17534	-8431
99	GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.	0	9396	-9396
100	CONTAINER CORPORATION OF INDIA LTD.	0	9820	-9820
101	MADRAS FERTILIZERS LTD.	0	10543	-10543
102	BALMER LAWRIE & CO. LTD.	10488	21110	-10622
103	NATIONAL FERTILIZERS LTD.	0	11072	-11072
104	MISHRA DHATU NIGAM LTD.	0	11522	-11522
105	THDC INDIA LTD.	0	13111	-13111
106	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	0	14930	-14930
107	HINDUSTAN SHIPYARD LTD.	0	15648	-15648
108	GOA SHIPYARD LTD.	22736	38742	-16006
109	AIRLINE ALLIED SERVICES LTD.	0	16862	-16862
110	NHPC LTD.	262	17401	-17139
111	NMDC Ltd.	0	24154	-24154

112	MUMBAI RAILWAY VIKAS CORPORATION LTD.	0	25323	-25323
113	ANTRIX CORPORATION LTD.	27936	54311	-26375
114	EASTERN COALFIELDS LTD.	0	27722	-27722
115	POWER FINANCE CORPORATION LTD.	0	29084	-29084
116	ELECTRONICS CORPN. OF INDIA LTD.	127	31590	-31463
117	BEML LTD.	14000	57967	-43967
118	COCHIN SHIPYARD LTD.	11472	57783	-46311
119	INDIAN RAILWAY FINANCE CORPORATION LTD.	0	50595	-50595
120	NUMALIGARH REFINERY LTD.	87	51093	-51006
121	BHARAT HEAVY ELECTRICALS LTD.	364985	421744	-56759
122	BHARAT DYNAMICS LTD.	165	60408	-60243
123	RURAL ELECTRIFICATION CORPN. LTD.	0	68547	-68547
124	NUCLEAR POWER CORPN. OF INDIA LTD.	0	80645	-80645
125	FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.	0	85801	-85801
126	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	0	89433	-89433
127	OIL INDIA LTD.	2375	93531	-91156
128	SECURITY PRINTING & MINTING CORPN. INDIA LTD.	0	107292	-107292
129	M S T C LTD.	5	135953	-135948
130	AIR INDIA LTD.	931912	1074914	-143002
131	HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	2046	151104	-149058
132	GAIL (INDIA) LTD.	86654	255871	-169217
133	BHARAT ELECTRONICS LTD.	55873	227933	-172060
134	RASHTRIYA ISPAT NIGAM LTD.	119896	322175	-202279
135	MAZAGON DOCK SHIPBUILDERS LTD.	0	205059	-205059
136	NTPC LTD.	397	222005	-221608
137	POWER GRID CORPORATION OF INDIA LTD.	2028	296625	-294597
138	P E C LTD.	11993	341657	-329664
139	HINDUSTAN AERONAUTICS LTD.	40485	771684	-731199
140	STATE TRADING CORPN. OF INDIA LTD.	5114	825475	-820361
141	M M T C LTD.	68249	918365	-850116
142	STEEL AUTHORITY OF INDIA LTD.	55713	1167986	-1112273
143	CHENNAI PETROLEUM CORPORATION LTD.	0	1744669	-1744669
144	OIL & NATURAL GAS CORPORATION LTD.	303321	2302405	-1999084
145	MANGALORE REFINERY & PETROCHEMICALS LTD.	874615	3120083	-2245468
146	HINDUSTAN PETROLEUM CORPN. LTD.	181068	2949096	-2768028
147	BHARAT PETROLEUM CORPN. LTD.	713795	5070131	-4356336
148	INDIAN OIL CORPORATION LTD.	1392366	13618866	-12226500
	Grand Total:	7721569	38804508	-31082939

Annex 5.2.

Loan (secured & unsecured) raised abroad by CPSEs

₹ in crore)

S.No.	CPSEs	2015-16		2014-15	
		Secured Loan	Un Secured Loan	Secured Loan	Un Secured Loan
1	EASTERN COALFIELDS LTD.	168	0	0	164
2	OIL INDIA LTD.	0	9198	0	8341
3	ONGC VIDESH LTD.	0	30973	0	17959
4	STEEL AUTHORITY OF INDIA LTD.	0	7451	0	10307
5	BHARAT PETROLEUM CORPN. LTD.	0	11986	0	10056
6	INDIAN OIL CORPORATION LTD.	0	28461	0	24181
7	MANGALORE REFINERY & PETROCHEMICALS LTD.	3884	0	3922	0
8	NATIONAL FERTILIZERS LTD.	0	215	204	0
9	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	71	916	0	769
10	HLL LIFECARE LTD.	149	50	22	0
11	BRITISH INDIA CORPORATION LTD.	0	0	0	96
12	NLC INDIA LTD.	0	495	0	467
13	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	0	460	0	400
14	NTPC LTD.	0	26375	0	22691
15	NUCLEAR POWER CORPN. OF INDIA LTD.	0	1115	0	1576
16	SJVN LTD.	0	2163	0	2173
17	THDC INDIA LTD.	0	342	0	162
18	POWER GRID CORPORATION OF INDIA LTD.	23203	6063	21891	4821
19	AIRPORTS AUTHORITY OF INDIA	0	42	0	42
20	DREDGING CORPN. OF INDIA LTD.	830	0	864	0
21	NATIONAL SMALL INDUSTRIES CORPN. LTD.	0	55	0	52
22	HOUSING & URBAN DEV. CORPN. LTD.	0	471	0	509
23	INDIAN RAILWAY FINANCE CORPORATION LTD.	100	9233	113	10770
24	INDIAN RENEWABLE ENERGY DEVT.AGENCY LTD.	82	3119	95	2917
25	POWER FINANCE CORPORATION LTD.	0	7495	0	7679
26	RURAL ELECTRIFICATION CORPN. LTD.	0	18774	0	13493
27	COASTAL MAHARASHTRA MEGA POWER LTD.	0	0	0	40
28	KOLKATA METRO RAIL CORPORATION LTD.	1169	0	0	1065
	Grand Total:	29656	165452	27111	140730

Chapter 6

Organizational Structure and Human Resource Management

6.1 Organizational Structure of CPSEs

The Department of Public Enterprises formulates policy guidelines on the Board structure of Central Public Sector Enterprises (CPSEs) and advises on the shape and size of organizational structure of CPSEs. The CPSEs are categorized in four Schedules namely 'A', 'B', 'C' and 'D' based on various quantitative, qualitative and other factors. The quantitative factors considered in this regard are: investment, capital employed, net sales, profit before tax, number of employees and units, capacity addition, revenue per employee, sales/capital employed, capacity utilization and value added per employee. Qualitative factors are: national importance, complexities of problems being faced by the company, level of technology, prospects for expansion and diversification of activities and competition from other sectors, etc. The other factors, wherever available, relate to Share price, MOU ratings, Maharatna/Navratna/Miniratna status and ISO certification and also the factor relating to the critical/strategic importance of the concerned CPSE. The pay scales of Chief Executives and full time Functional Directors in CPSEs are determined as per the schedule of the concerned CPSE.

The proposals received from concerned administrative Ministries for initial categorization/upgradation of CPSEs in appropriate schedule, personal upgradation, creation of posts in CPSEs, re-designation of Board level posts, exemption of Board level posts in CPSEs from the rule of immediate absorption, etc. are considered in DPE in consultation with Public Enterprises Selection Board (PESB).

During 2015-16, 6 posts of Functional Directors were created, i.e. (i) Director (Operations) on the Board of Air India Limited, (ii) Director (Finance, Personnel and Administration) and (iii) Director (Operations & Marketing) on the Board

of Pawan Hans Limited, (iv) CMD, (v) Director (Finance) and (vi) Director (Operations) on the Board of Biotechnology Industry Research Assistance Council.

The posts of Director (Operations) and Director (Marine Services) in Kamarajar Port Limited were re-designated as Director (Port Operations) and Director (Business Development & Projects) respectively.

The following Board level posts in CPSEs were exempted from the rule of immediate absorption.

- (i) Director (Operations), Bharat Broadband Network Limited
- (ii) CMD, Burn Standard Company Limited
- (iii) CMD, Air India Limited
- (iv) CMD, Mahanagar Telephone Nigam Limited
- (v) CMD, Oil India Limited
- (vi) Managing Director, (vii) Director (RS&T), (viii) Director (Finance) and (ix) Director(P&P) in Kolkata Metro Rail Corporation Limited

Presently (December, 2016), there are 181 scheduled CPSEs, i.e. 64 Schedule 'A', 68 Schedule 'B', 45 Schedule 'C' and 4 Schedule 'D' CPSEs. The Schedule-wise list is at Annex-6.1.

6.2 Appointment of Functional Directors of CPSEs

Functional Directors including Chief Executives of the CPSEs are appointed by the concerned Administrative Ministries/Departments on the basis of recommendations of Public Enterprises Selection Board (PESB). The Public Enterprises Selection Board was constituted by the Government of India

vide its Resolution dated 3.3.1987. The PESB has been set up with the objective of evolving a sound managerial policy for the Central Public Sector Enterprises and, in particular, to advise Government on appointments to their top management posts. As per GOI Resolution, the PESB shall consist of a part-time or full-time chairperson and three full-time Members. The Government has laid down the guidelines for selection, appointment, procedure for confirmation and extension of tenure of Board level incumbents of CPSEs.

6.3 Professionalization of Board of CPSEs

Department of Public Enterprises formulates policy guidelines on the Board structure of CPSEs. In pursuance of the public sector policy being followed since 1991 several measures have been taken by the Department of Public Enterprises to professionalize the Boards of public enterprises. The guidelines issued in 1992, provide that outside professionals should be inducted on the Boards of CPSEs in the form of part-time non-official Directors and that the number of such Directors should be at least 1/3rd of the actual strength of the Board. In the case of listed CPSEs headed by executive Chairman, the number of non-official Directors (Independent Directors) should be at least half the strength of the Board. The guidelines also provide that the number of Government Directors on the Boards should be not more than one-sixth of the actual strength of the Board subject to a maximum of two. Apart from this, there should be some functional Directors on each Board whose number should not exceed 50% of the actual strength of the Board.

6.3.1 As regards selection and appointment of non-official Directors on the Boards of CPSE, the following eligibility criteria has been prescribed:-

6.3.1.1 Criteria of Experience

- (i) Retired Government officials with a minimum of 10 years experience at Joint Secretary level or above.
- (ii) Persons who have retired as CMD/CEOs of

CPSEs and Functional Directors of the Schedule 'A' CPSEs. The ex-Chief Executives and ex-Functional Directors of the CPSEs will not be considered for appointment as non-official Director on the Board of the CPSE from which they retire. Serving Chief Executives/Directors of CPSEs will not be eligible to be considered for appointment as non-official Directors on the Boards of any CPSEs.

(iii) Academicians/Directors of Institutes/Heads of Department and Professors having more than 10 years teaching or research experience in the relevant domain e.g. management, finance, marketing, technology, human resources, or law.

(iv) Professionals of repute having more than 15 years of relevant domain experience in fields relevant to the company's area of operation.

(v) Former CEOs of private companies if the company is (a) listed on the Stock Exchanges or (b) unlisted but profit making and having an annual turnover of at least ₹250 crore.

(vi) Persons of eminence with proven track record from Industry, Business or Agriculture or Management.

(vii) Serving CEOs and Directors of private companies listed on the Stock Exchanges may also be considered for appointment as part-time non-official Directors on the Boards of CPSEs in exceptional circumstances.

6.3.1.2 Criteria of Educational Qualification

Minimum graduate degree from a recognized university.

6.3.1.3 Criteria of Age

The age band should be between 45-65 years (minimum/maximum limit) This could, however, be relaxed for eminent professionals, for reasons to be recorded, being limited to 70 years.

6.3.1.4 Reappointment

The non-official Directors, will not be re-appointed in the same CPSE after completing a maximum of two tenures, each tenure being for a period of three

years.

6.3.1.5 Appointment in number of CPSEs at the same time

One person will not be appointed as non-official Director on the Boards of more than three CPSEs at the same time.

6.3.1.6 Directorship in private companies

A person being considered for appointment as non-official Director on the Board of CPSEs should not hold directorship in more than 10 private companies.

6.3.2 The proposals for appointment of non-official Directors are initiated by the concerned Administrative Ministries/Departments. The selection of non-official Directors in respect of all CPSEs is made by the Search Committee which presently consists of Secretary (DoPT), Secretary (DPE), Secretary of the administrative Ministry/Department of the concerned CPSE and 2 non-official Members, viz. Smt. Pratima Dayal & Prof. Ravichandran Narasimhan. The concerned Administrative Ministry/Department appoints the non-official Directors on the basis of recommendations of Search Committee after obtaining the approval of competent authority. During the year 2015-16, the Search Committee held 9 meetings and recommended names for filling up 240 positions of non-official Directors on the Boards of various CPSEs.

6.3.3 The concerned administrative Ministries/Departments of listed CPSEs were regularly requested to ensure appointment of at least one woman Director on the Boards of listed CPSEs under their respective administrative jurisdiction to ensure compliance with provisions of Companies Act, 2013 and Clause 49 of listing agreement of SEBI.

6.3.4 All administrative Ministries/Departments were regularly requested to furnish proposals for filling up vacant positions of non-official Directors of CPSEs under their respective administrative jurisdiction.

6.3.5 DPE organized following orientation programmes for capacity building of Non-official and Government Directors of CPSEs in which participants were sensitized about their role and responsibilities in the context of newly enacted Companies Act, 2013 and important issues related to better functioning of Boards.

(i) Two day programme on 28th and 29th December, 2015 in Goa attended by 28 Non-official and Government Directors of various CPSEs.

(ii) Two day programme on 11th and 12th February, 2016 in Imphal attended by 20 non-official Directors and Government Directors of various CPSEs.

(iii) Two day programme on 29th and 30th March, 2016 in Mumbai attended by 20 Non-official and Government Directors of various CPSEs.

6.3.6 Following the directions of ACC, instructions were issued to all administrative Ministries/Departments to the effect that the tenure of nominee part-time Directors on the Board of CPSEs shall be fixed as three years or till the date of superannuation or till further orders at par with tenure prescribed for non-official Directors of CPSEs.

6.3.7 DPE with the support of World Bank and in collaboration with Institute of Public Enterprise organized two-day International Workshop on “Governance of State-Owned Enterprises” on 18th and 19th December, 2015 in New Delhi. The workshop was inaugurated by Minister of Heavy Industries & Public Enterprises and Minister of State in Ministry of Heavy Industries & Public Enterprises was also present in the inaugural session. Chairman, Public Enterprises Selection Board graced the valedictory session. The workshop had 5 technical Sessions, viz. (i) Efficient Governance of SOEs : Models and Practices, (ii) Leveraging SOE Boards for effective decision making, (iii) Benchmarking financial and non-official performance of SOEs in Performance contracting, (iv) Corporate Social Responsibility and SOEs, and (v) SOEs and Global competitiveness : Challenges and Opportunities which were addressed by 18 national and 7

international speakers. The workshop was attended by more than 150 participants from various CPSEs, Ministries, academicians and had Government representatives/experts from 8 countries, viz. China, Brazil, Afghanistan, Bangladesh, Bhutan, United States, United Kingdom, South Korea.

6.4 Corporate Governance in Central Public Sector Enterprises (CPSEs)

Keeping in view the importance of Corporate Governance principles in ensuring transparency and enhancing the trust of stakeholders and also the continued need to adopt and apply the good Corporate Governance practices in respect of CPSEs wherein huge public funds are invested, Government introduced Guidelines on Corporate Governance for CPSEs, on mandatory basis, in March, 2010.

These Guidelines are applicable to all CPSEs and cover issues like composition of Board of CPSEs, Audit Committee, Remuneration Committee, Subsidiary Companies, Disclosures, Code of Conduct and Ethics, Risk Management and Reporting, monitoring the compliance of Guidelines by the CPSEs. Since, the concept of Corporate Governance is dynamic in nature, it has also been provided that suitable modifications in these Guidelines would be carried out to bring them in line with prevailing laws, Regulations, Acts, etc. from time to time.

The DPE has also taken the initiative to grade CPSEs on the basis of their compliance with Guidelines and such grading will be used for MOU Awards. Keeping in view the importance of Corporate Governance in State Level Public Enterprises, all States have also been advised to implement these Guidelines. The salient features of these guidelines are as under.

6.4.1 Composition of Board and Conduct of Board meetings

In respect of the Board's composition, these Guidelines provide that the number of functional Directors should not exceed 50% of the actual

strength of the Board; and the number of Government nominee Directors shall be restricted to maximum of two. In case of listed CPSEs with Executive Chairman, the number of non-official Directors shall be at least 50% of Board Members. In case of unlisted and listed CPSEs with Non-executive Chairman, at least one-third of the Board Members shall be non-official Directors. The Government has also laid down pre-defined criteria in terms of educational qualifications, age and experience in respect of persons to be considered for appointment as Non-official Directors. Relevant clauses have been incorporated in these guidelines to ensure 'independence' of Non-official Directors and avoid potential conflict of interest.

It has been further mandated that the Board meetings are to be held at least once in every 3 months and at least 4 such meetings held in a year and all relevant information is to be given to the Board. Further, the Board should lay down code of conduct for all members and senior management. In this regard, a model Code has been incorporated in the Guidelines to assist the CPSEs. The Guidelines inter alia provide that the Board should ensure integration and alignment of risk management system and the company should undertake suitable training programmes for its new Board members.

6.4.2 Audit Committee

The provisions relating to Audit Committee require a qualified and independent Audit Committee to be set up by CPSEs with minimum three Directors as members. Further, two-thirds of the members of this Committee should be Independent Directors with an Independent Director as Chairman. The Audit Committee has been given extensive powers with regard to financial matters of company and is required to meet at least 4 times in a year.

6.4.3 Subsidiary Companies

With regard to subsidiary companies, it has been provided that at least one Independent Director of holding company will be Director on the Board of subsidiary company and the Audit Committee of

holding company will review financial statements of the subsidiary company. All significant transactions and arrangements of subsidiary companies are required to be brought to the attention of the Board of Directors of the holding company.

6.4.4 Disclosures

The provisions regarding disclosures require all transactions to be placed before the Audit Committee. The Guidelines mandate that while preparing financial statements, treatment should be as per prescribed Accounting Standards and if there are any deviations, the same are to be explicitly mentioned. Further, the Board is to be informed about risk assessment and minimization procedures and senior Management is to make disclosures to Board relating to all financial and commercial transactions where they have personal interest or may have a potential conflict.

6.4.5 Compliance

It has also been mandated in the Guidelines that Annual Report of companies should contain a separate section on Corporate Governance with details of compliance. The CPSEs will have to obtain a certificate from Auditors/Company Secretary regarding compliance with these Guidelines. Chairman's speech in AGM will also carry a section on compliance with Corporate Governance Guidelines and will form part of the company's Annual Report. The CPSEs are required to submit quarterly compliance report to their administrative Ministries who will furnish a consolidated Annual Report to DPE.

6.4.5.1 During the year, DPE finalized the grading of CPSEs on the basis of their compliance with Guidelines on Corporate Governance for CPSEs for the year 2014-15 and the list is enclosed at Annex 6.2

6.5 Wage & Salary Policy and Manpower Rationalization in CPSEs

The Department of Public Enterprises (DPE) functions as the nodal Department for policy

formulation inter-alia, in respect of pay revision of the executives holding posts at the Board level and below Board level and non-unionized supervisors, and also wage settlement of workmen in CPSEs. The Department also issues policy guidelines on perquisites, allowances and incentives for the executives and non-unionized supervisors. It renders advice to the Administrative Ministries/ Departments and the CPSEs in all matters relating to the pay structure and scales of pay of the executives and the wage policy of workmen. The CPSEs largely follow the Industrial Dearness Allowance (IDA) pattern of scales of pay. Though, in some cases the Central Dearness Allowance (CDA) pattern of scales of pay are still being followed. DPE also issues DA orders for every quarter in respect of IDA employees. The DA orders for CDA employees are issued on six monthly basis.

6.5.1 Industrial Dearness Allowance (IDA)

Government policy relating to pay structure and pay scales is that all employees of the CPSEs should be on the IDA pattern scales of pay. Instructions were issued by the DPE in July, 1981 and July, 1984 to all the administrative Ministries/ Departments that as and when a new CPSE is created or established, IDA pattern scales of pay should be adopted ab-initio. DPE vide its O.M. dated 12.06.1990, issued instructions that appointments, on or after 01.01.1989 in CDA scales of pay have to be in IDA scales of pay. In this regard it was subsequently (in August 2009) clarified that 'appointments' include 'promotion'. There were 320 CPSEs (excluding Banks, Insurance Companies and newly set up CPSEs), with approximately 12.34 lakhs workmen, clerical staff and executives as on 31.03.2016 under the administrative control of the Central Government. Of this, about 12.01 Lakhs of the executives and workmen are on IDA pattern scales of pay. The remaining employees are on CDA pattern of pay scales.

6.5.2 Second Pay Revision Committee

The Government, after due consideration of the recommendations of the 2nd Pay Revision

Committee headed by Justice M.J. Rao (a retired judge of the Supreme Court) and also the recommendations of the Committee of Ministers, headed by the then Home Minister (Chidambaram Committee) issued orders vide DPE OM dated 26.11.2008, 09.02.2009 and 02.04.2009 regarding pay revision w.e.f. 01.01.2007 in respect of executives and non-unionized Supervisors of CPSEs following IDA pattern of pay scales.

The salient features of 2007 pay revision are as follows:-

(i) The range of Pay scales is from ₹12,600-32,500 for the lowest executive grade E-0 and to ₹80,000 - 1,25,000 for the highest executive grade for the Chief Executives of Schedule 'A' CPSEs.

(ii) A uniform fitment benefit was granted @ 30% on basic pay plus DA @ 78.2% as on 01.01.2007.

(iii) The rate of increment is to be @ 3% of basic pay.

(iv) Perks and allowances are allowed upto the maximum of 50% of basic pay, with provision of 'Cafeteria Approach'.

(v) The range of PRP is from 40% of the basic pay for the below board level executives in E0 to E1 Grade, and 200% of the basic pay for the CMDs of Schedule A & B CPSEs .

(vi) Superannuation benefits are permissible upto 30% of basic pay + D.A.

(vii) Ceiling of gratuity in respect of executives and non-unionized supervisors was raised to ₹10.00 Lac w.e.f. 01.01.2007.

(viii) Implementation of Pay Revision is linked to affordability of the CPSEs. The CPSEs have to finance pay revision from their own resources without any budgetary support.

(ix) An Anomalies Committee comprising of the Secretaries of Departments of Public Enterprises,

Expenditure and Personnel & Training is constituted to look into further specific issues/problems that may arise in the implementation of Government orders on the Pay Revision.

(x) Enhanced allowances could be effective from 26.11.2008, instead of from the date of issue of Presidential Directive, provided the Presidential Directive is issued within one month of 02.04.2009.

(xi) These benefits are to be extended to all CPSEs. Benefits as given in these O.Ms are to be viewed as a total package.

6.5.3 Recommendations of Anomalies Committee

Within the terms of its constitution under DPE O.M. dated 26.11.2008, the Anomalies Committee has considered several aspects of the 2007 pay revision. Based on the recommendations of the Anomalies Committee DPE has issued orders regarding (i) Pay etc. of Government officers on deputation to CPSEs, (ii) Self Lease of residential accommodation, (iii) Medical Expenditure, (iv) Encashment of Leave (v) Benefit of bunching of increment, (vi) Procedure of pay fixation in some past cases of Board level executives, (vii) Protection of last drawn pay by Board level executives (viii) NPA not to be considered as pay for the purpose of calculating other benefits (ix) no other allowance or perks to be kept outside the 50% ceiling except the '4' that have been provided for in DPE guidelines and (x) Non-inclusion of 'Under recoveries' in PBT for the purpose of calculating PRP.

6.5.4 Wage Revision for Workmen under IDA pattern

DPE vide O.Ms dated 9.11.2006, 01.05.2008 and 13.06.2013 has issued policy guidelines for the 7th Round of Wage Negotiations (generally effective from 01.01.2007/01.01.2012) with the unionized workmen of CPSEs. Broadly similar to the earlier policy on the 6th Round of Wage Negotiations, the

guidelines provide that administrative Ministries/ Departments may take a decision on a case to case basis regarding the periodicity of wage settlement, which is to be below 10 years but not less than 5 years, with the approval of their Minister In-charge.

6.5.5 Pay revision of employees under CDA Pattern in CPSEs

The pay scales and allowances of the employees of CPSEs following CDA pattern have been revised w.e.f. 01.01.2006 vide DPE O.Ms dated 14.10.2008 and 20.01.2009. The benefit of pay revision was allowed to the employees of those CPSEs that are not loss making and are in a position to absorb the expenditure on account of pay revision from their own resources without any budgetary support from the Government.

6.5.6 Important activities during the period 2016

Government vide resolution dated 09.06.2016 has constituted third Pay Revision Committee, under the Chairmanship of Justice (Rtd) Satish Chandra for the pay revision of Board level & below Board level Executives and Non-Unionised Supervisors of CPSEs w.e.f. 01.01.2017. The Committee is expected to submit its report within a period of six months.

6.6 Voluntary Retirement Scheme (VRS)

As a result of the restructuring in some Central Public Sector Enterprises (CPSEs), Government announced the Voluntary Retirement Scheme (VRS) in October, 1988. A comprehensive package was later notified by the Department of Public Enterprises (Government of India) in May, 2000. In view of the difficulties faced by some CPSEs where the wage revision of 1992 or 1997 (as the case may be) could not be made effective, the VRS was further liberalized through subsequent notification of November, 2001. This notification, inter-alia, provides for 100% additional compensation for the employees where wage revision of 1992 could not be made effective. Similarly, 50% additional

compensation was allowed for employees where wage revision of 1997 could not be made effective. The ex-gratia payment under VRS to employees following CDA pattern at 1986 scales of pay has been also enhanced by 50% w.e.f. 26.10.2004. These increases in VRS compensation are to be computed based on the existing pay of employees.

From the introduction of VRS Scheme in October, 1988 till March, 2016, approximately 6.22 lakh employees have been released under the scheme.

6.6.1 VRS in CPSEs that can support the scheme on their own

Enterprises, which are financially sound and can sustain VRS on their own, can frame their own schemes of VRS and make it attractive enough for employees to opt for it. They may offer as compensation upto 60 days salary (only Basic Pay +DA) for every completed year of service. Such compensation will, however, not exceed the salary for the balance period of the service left.

6.6.2 VRS in marginally profit or loss Making / sick / unviable CPSEs

Marginally profit /loss making CPSEs as well as sick and unviable units may adopt either of the following models:

Gujarat Model, under which the compensation is computed by allowing 35 days salary for every completed year of service and 25 days for each year of the balance service left until superannuation subject to the condition that compensation shall not exceed the sum of salary for the balance period left for superannuation.

Department of Heavy Industry (DHI) model, under which ex-gratia payment made is equivalent to 45 days emoluments (Pay + DA) for each completed year of service or the total emoluments for the balance period of service, whichever is less. The employees who have completed not less than 30 years of service will be eligible for a maximum of 60 (sixty) months salary/wage as compensation and this will be subject to the amount not exceeding the

salary/wage for the balance period of service left.

6.7. Scheme of Counselling, Retraining and Redeployment (CRR)

6.7.1 In the context of restructuring of Central Public Sector Enterprises (CPSEs), rationalization of manpower has become a necessity. The policy of the Government has been to implement reforms with a humane face and provide adequate safety net for the workers adversely affected due to right sizing. Considering the need to have safety net, Government had established the National Renewal Fund (NRF) in February, 1992 to cover the expenses of VRS and to provide retraining to the workers in the organized sector. The retraining activity was administered by Department of Industrial Policy & Promotion. After the abolition of NRF in February, 2000, the Scheme for Counselling, Retraining and Redeployment (CRR) of Rationalized Employees of CPSEs is being implemented by Department of Public Enterprises since 2001-02. CRR Scheme was modified in November, 2007 in order to widen its scope and coverage. One dependent of VRS optee is also eligible in case the VRS optee himself/herself is not interested.

6.7.2 The scheme for Counselling, Retraining and Redeployment (CRR) inter-alia aims to:

- reorient rationalized employees through short duration training programmes.
- equip them for new vocations.
- engage them in income generating self-employment.
- help them rejoin the productive process.

6.7.3. The main elements of the CRR programme are Counselling, Retraining and Redeployment.

Counselling helps the rationalized employees to cope with the trauma of leaving the organization, to properly manage their funds including VRS compensation, to get motivated for facing challenges and to re-join the productive process.

Retraining strengthens their skill/expertise. Selected training institutes impart need-based training in modules of 30 days / 45 days / 60 days.

The faculty support is both internal and external. The approach is to provide classroom lectures as well as field experience. In the process, trainees interact with experts from various fields and are helped in preparation/finalization of project reports.

The retraining should lead to **Redeployment** mostly through self-employment. In the present scheme, the objective is to maximize the rate of self-employment. The Nodal Agencies, therefore, provide need-based support, linkage with credit institutions and continuously follow up with the retrained personnel.

6.7.4. CPSEs are the key to the success of the scheme. They are expected to extend all possible support for the welfare of the separated employees by clearing their compensation/dues before release. Long association with employees puts CPSEs in a better position to identify their retraining needs.

6.7.5. During the year 2015-16, plan allocation of ₹3.20 crore (BE) and ₹ 2.78 crore (RE) was allocated with a target for coverage of 3000 VRS/VSS optees/dependents. 9 nodal agencies with 21 Employees Assistance Centres (EACs) were operational during the year 2015-16. Year wise number of persons trained under the scheme is shown in Table 6.1 given below:-

Table 6.1

Year	Number of VRS optees trained
2001-02	8,064
2002-03	12,066
2003-04	12,134
2004-05	28,003
2005-06	32,158
2006-07	34,398
2007-08	9,728
2008-09	9,772
2009-10	7,400
2010-11	9,265
2011-12	9,400
2012-13	7,506
2013-14	3,230
2014-15	2,525
2015-16	3150
Total	1,88,799

6.7.6. List of nodal agencies operational during in the year 2015-16 is given as under in table 6.2 :

Table-6.2

Sl. No.	Name of the Nodal Agency
1.	Central Institute of Plastics Engineering & Technology, Bhubaneswar
2.	Human Care Foundation, New Delhi
3.	Indian Council of Small Industries, Kolkata
4.	Institute of Leadership Development (ILD), Jaipur
5.	KIIT School of Rural Management (KSRM), Bhubaneswar
6.	MICROSYS, Kolkata
7.	MPCON Limited., Bhopal
8.	MITCON Consultancy Services Ltd., Pune
9.	U.P. Industrial Consultants Ltd., Kanpur

6.7.7 With a view to broaden the network of Training Providers and also to follow standardized methodology of training, design and delivery, it has been envisaged to undertake training programme under CRR in collaboration with National Skill Development Corporation (NSDC) under aegis of Ministry of Skill Development & Entrepreneurship (MSDE) during 2016-17.

matters of general importance, policy guidelines are issued by the Government of India to the enterprises which are to be kept in view by the latter while framing their individual corporate policies. Furthermore, formal Presidential Directives are issued to CPSEs by the concerned administrative Ministries to ensure reservation in regard to employment for Scheduled Castes, Scheduled Tribes and Other Backward Classes (OBCs), on similar lines as applicable in the Central Government Ministries/Departments.

6.8 Employment under Reserved Category

The Personnel and Recruitment Policies in respect of appointments for below Board level posts are formulated by the management of respective Central Public Sector Enterprises (CPSEs). However, on

The present quota for providing reservation for candidates belonging to Scheduled Castes, Scheduled Tribes and OBCs as well as other categories of persons entitled to reservation of vacancies is shown below:

Table-6.3
Quota for Reservation

Category	Managerial / Executive Level / Supervisory Level	Workers Skilled	Workers Unskilled
Scheduled Castes (SC)		15%	
Scheduled Tribes (ST)		7.5%	
Other Backward Classes (OBC) (including sub-quota of 4.5% for minorities)		27%	
Physically Handicapped Persons (PH)		3%	
Ex-servicemen & Dependents of those killed in action	–	14.5%	24.5%

The need to ensure timely filling up of reserved posts and the backlog has been stressed through

various instructions issued from time to time. All administrative Ministries/Departments have been requested to advise the CPSEs under their administrative control to take effective steps to fill up the unfilled reserved posts in Direct Recruitment as well as in Promotion in accordance with the existing instructions. Further, the DoPT has issued necessary instructions from time to time to launch Special Recruitment Drive(s) to fill up the backlog of reserved vacancies for SCs, STs & OBCs in CPSEs. DPE has also extended these instructions to all administrative Ministries/Departments dealing with CPSEs to fill up these vacancies in a time bound manner.

6.8.1 Reservation for SC/ST in CPSEs

A comprehensive Presidential Directive incorporating all important instructions on reservation for SCs and STs was issued by Department of Public Enterprises (DPE) to all the administrative Ministries/Departments concerned on 25th April, 1991 for formal issuance of the same to CPSEs. Necessary changes and modifications are also circulated to CPSEs through their administrative Ministries/ Departments for information and compliance.

6.8.2 Reservation for OBC in CPSEs

Based on the recommendation of the Second Backward Classes Commission (Mandal Commission) and in accordance with the Supreme Court Judgement in the Indira Sawhney case, instructions were issued for providing reservation of 27% of vacancies in favour of Other Backward Classes (OBCs). The Department of Personnel & Training (DoPT) which formulates the policy in respect of reservation in services, has been issuing instructions from time to time on various aspects of reservation in favour of OBCs. Reservation for OBCs was made effective w.e.f. 8.9.1993. DPE has been extending these instructions to CPSEs through their administrative Ministries for compliance. A comprehensive Presidential Directive incorporating all instructions was forwarded by the Department of Public Enterprises to all administrative Ministries vide DPE OM dated 27th July, 1995 for formal issuance to the CPSEs under their control. DoPT instructions on allocation of a sub-quota of 4.5%

for minorities within the 27% reservation for OBCs have been also extended vide DPE O.M. dated 2nd January, 2012 to the administrative Ministries/ Departments for implementation in CPSEs under their jurisdiction.

6.8.3 Reservation for Persons with Disabilities (PwD)

DPE has issued a Presidential Directive on 11.3.1997 to all the administrative Ministries / Departments concerned with the CPSEs in follow-up of DoPT instructions for employment of physically handicapped persons in CPSEs. With the enactment of the Persons with Disabilities (Equal Opportunities, Protection of Rights and Full Participation) Act, 1995, the reservation to physically handicapped persons stood extended to identified Group 'A' and 'B' posts to be filled through Direct Recruitment. As per the Act, not less than 3% posts shall be reserved for Persons with Disabilities of which 1% each shall be reserved for persons suffering from (i) blindness or low vision (ii) hearing impairment and (iii) locomotor disability or cerebral palsy. All CPSEs have been advised to comply with the provisions of the Act and evolve a time frame by which the backlog of vacancies can be cleared. DPE has also issued instructions to ensure reservation for the Persons with Disabilities up to 3% of the vacancies occurring in a particular year (1% for Visually Handicapped, 1% for Hearing Handicapped and 1% for Orthopedically Handicapped).

6.8.4 Reservation for Ex-servicemen

DPE has also extended instructions regarding the scheme for reservation for Ex-servicemen in CPSEs through the administrative Ministries/ Departments. Instructions streamlining the procedure for recruitment of Ex-servicemen have been also issued with a view to augment their in-take in CPSEs. Such CPSEs, which are in a position to offer agencies/dealerships, have been advised to reserve quota of such agencies/dealership for allotment to Ex-servicemen.

6.8.5 Status of Reservation in CPSEs

The representation of SCs / STs / OBC as on 31.3.2016 in CPSEs based on the information provided by 244 operating CPSEs is shown in Table-6.4 below:-

Table-6.4

Group	Total No. of Employees (in nos)	Total Reservation (5+7+9)	%	Representation of SCs /STs / OBCs in CPSEs as on 31.03.2016					
				SCs No.	%	STs No.	%	OBCs No.	%
1	2	3	4	5	6	7	8	9	10
Managerial/ Executives	258659	91699	35.45	39177	15.15	14617	5.65	37905	14.65
Supervisors	121596	33320	27.40	13383	11.01	6195	5.09	13742	11.30
Workers Skilled	613911	287741	46.87	119196	19.42	60705	9.89	107840	17.57
Workers Unskilled	237995	111645	46.91	42376	17.81	23371	9.82	45898	19.29
Total	1232161	524405	42.56	214132	17.38	104888	8.51	205385	16.67

Details are at Statement No.24 of volume-1

6.9 Women Employment in CPSEs

The Personnel and Recruitment Policies in respect of appointments against below Board level posts are formulated by the management of respective CPSEs. Like in other sectors, women are employed in Central Public Sector Enterprises also

and their per centage of employment is about 9.36% as on 31.3.2016. The numbers of women employees in 244 operating CPSEs in different groups / level such as managerial / executive level, supervisory level and workmen/clerical level during the last three years is shown in the Table (6.5) below.

Table 6.5

	Total Employees (in nos)			Total female Employees (in nos)			Female Employees as % of Total		
	2013-14	2014-15	2015-16	2013-14	2014-15	2015-16	2013-14	2014-15	2015-16
Managerial/Executives	270151	264497	258659	26186	26661	27010	9.69	10.08	10.44
Supervisors	129173	130208	121596	12176	9506	8297	9.43	7.30	6.82
Workers	949818	896469	851906	93931	85907	80011	9.89	9.58	9.39
Total	1349142	1291174	1232161	132293	122074	115318	9.81	9.45	9.36

It is evident from the above table that women employment in CPSEs during last three years has been between 9-10% approximately. CPSEs are providing maternity benefits to eligible women employees as per Maternity Benefit Act 1961. Also, the CPSEs have formed Internal Committees in respect of implementation of the Sexual Harassment of Women at Workplace. (Prevention, Prohibition and Redressal) Act, 2013.

**Schedule-wise List of Central Public Sector
Enterprises as on December, 2016**

Schedule - A

- | | |
|--|---|
| 1. Airports Authority of India | 32. Mangalore Refinery & Petrochemicals Ltd. |
| 2. Air India Limited | 33. Mazagon Dock Shipbuilders Ltd. |
| 3. BEML Ltd. | 34. MECON Ltd. |
| 4. Bharat Electronics Ltd. | 35. MOIL Limited |
| 5. Bharat Heavy Electricals Ltd. | 36. Mumbai Railway Vikas Corporation Ltd. |
| 6. Bharat Petroleum Corporation Ltd. | 37. National Aluminium Company Ltd. |
| 7. Bharat Sanchar Nigam Ltd. | 38. National Building Construction Corporation Ltd. |
| 8. Central Warehousing Corporation. | 39. National Fertilizers Ltd. |
| 9. Coal India Ltd. | 40. NHPC Ltd. |
| 10. Container Corporation of India Ltd. | 41. National Mineral Development Corporation Ltd. |
| 11. Dedicated Freight Corridor Corporation of India Ltd. | 42. National Textiles Corporation Ltd. |
| 12. Electronics Corporation of India Ltd. | 43. NTPC Ltd. |
| 13. Engineers India Ltd. | 44. Neyveli Lignite Corporation Ltd. |
| 14. Fertilizers & Chemicals (Travancore) Ltd. | 45. North Eastern Electric Power Corporation Ltd. |
| 15. Food Corporation of India | 46. Oil & Natural Gas Corporation Ltd. |
| 16. GAIL (India) Ltd. | 47. Oil India Ltd. |
| 17. Heavy Engineering Corporation Ltd. | 48. ONGC Videsh Ltd. |
| 18. Hindustan Aeronautics Ltd. | 49. Power Finance Corporation |
| 19. Hindustan Copper Ltd. | 50. Power Grid Corporation of India Ltd. |
| 20. Hindustan Paper Corporation Ltd. | 51. Power System Operation Corporation Limited |
| 21. Hindustan Petroleum Corporation Ltd. | 52. RITES Ltd. |
| 22. HMT Ltd. | 53. RailTel Corporation of India Ltd. |
| 23. Housing & Urban Development Corporation Ltd. | 54. Rail Vikas Nigam Ltd. |
| 24. I T I Ltd. | 55. Rashtriya Chemicals and Fertilizers Ltd. |
| 25. Indian Oil Corporation Ltd. | 56. Rashtriya Ispat Nigam Ltd. |
| 26. IRCON International Ltd. | 57. Rural Electrification Corporation Ltd. |
| 27. Indian Railway Finance Corporation Ltd. | 58. Satluj Jal Vidyut Nigam Ltd. |
| 28. Konkan Railway Corporation Ltd. | 59. Security Printing & Minting Corporation of India Ltd. |
| 29. Kudremukh Iron Ore Company Ltd. | 60. Shipping Corporation of India Ltd. |
| 30. MMTC Ltd. | 61. State Trading Corporation of India Ltd. |
| 31. Mahanagar Telephone Nigam Ltd. | 62. Steel Authority of India Ltd. |
| | 63. Telecommunications Consultants (India) Ltd. |

64. THDC India Limited

Schedule - B

1. Andrew Yule & Company Ltd.
2. Balmer Lawrie & Company Ltd.
3. Bharat Coking Coal Ltd.
4. Bharat Dynamics Ltd.
5. Bharat Petro Resources Ltd.
6. Bharat Pumps & Compressors Ltd.
7. Brahmaputa Crackers & Polymers Ltd.
8. Brahmaputra Valley Fertilizer Corporation Ltd.
9. Biotechnology Industry Research Assistance Council
10. Braithwaite & Company Ltd.
11. Bridge & Roof Company (India) Ltd.
12. British India Corporation Ltd.
13. Burn Standard Company Ltd.
14. Cement Corporation of India Ltd.
15. Central Coalfields Ltd.
16. Central Electronics Ltd.
17. Central Mine Planning & Design Institute Ltd.
18. Chennai Petroleum Corporation Ltd.
19. Cochin Shipyard Ltd.
20. Cotton Corporation of India Ltd.
21. Dredging Corporation of India Ltd.
22. Eastern Coalfields Ltd.
23. Engineering Projects (India) Ltd.
24. Kamrajar Port Ltd.
25. Fertilizer Corporation of India Ltd.
26. Garden Reach Shipbuilders & Engineers Ltd.
27. Goa Shipyard Ltd.
28. Handicrafts & Handlooms Export Corporation Ltd.
29. Hindustan Cables Ltd.
30. Hindustan Fertilizer Corporation Ltd.
31. HLL Lifecare Ltd.
32. Hindustan Newsprints Ltd.
33. Hindustan Organic Chemicals Ltd.
34. Hindustan Shipyard Ltd.
35. Hindustan Steelworks Construction Company Ltd.
36. Hindustan Vegetable Oils Corporation Ltd.
37. HMT (International) Ltd.
38. HMT Machine Tools Ltd.
39. HMT Watches Ltd.
40. India Tourism Development Corporation Ltd.
41. India Trade Promotion Organization
42. Indian Drugs & Pharmaceuticals Ltd.
43. Indian Railway Catering & Tourism Corporation Ltd.
44. Indian Rare Earths Ltd.
45. Indian Renewable Energy Development Agency Ltd.
46. Instrumentation Ltd.
47. M S T C Ltd.
48. Madras Fertilizers Ltd.
49. Mahanadi Coalfields Ltd.
50. Mineral Exploration Corporation Ltd.
51. Mishra Dhatu Nigam Ltd.
52. National Handloom Development Corporation Ltd.
53. National Jute Manufacturers Corporation Ltd.
54. National Projects Construction Corporation Ltd.
55. National Seeds Corporation Ltd.
56. National Small Industries Corporation Ltd.
57. Northern Coalfields Ltd.
58. Numaligarh Refinery Ltd.
59. Orissa Mineral Development Company Ltd.
60. PEC Ltd.
61. Pawan Hans Helicopters Ltd.
62. Projects & Development India Ltd.
63. Scooters India Ltd.
64. South Eastern Coalfields Ltd.
65. Tyre Corporation of India Ltd.
66. Uranium Corporation of India Ltd.
67. W A P C O S Ltd.
68. Western Coalfields Ltd.

Schedule - C

1. Andaman & Nicobar Islands Forest & Plantation Development Corporation Ltd.
2. Artificial Limbs Mfg. Corporation of India
3. BBJ Construction Ltd.
4. Bengal Chemicals & Pharmaceuticals Ltd.
5. BHEL Electric Machines Ltd.
6. Bharat Wagon & Engineering Company Ltd.
7. Bisra Stone Lime Company Ltd.
8. Broadcast Engineering Consultants India Ltd.
9. Central Cottage Industries Corporation of India Ltd.
10. Central Inland Water Transport Corporation Ltd.
11. Central Railside Warehouse Company Ltd.
12. Certification Engineers International Ltd.
13. Delhi Police Housing Corporation
14. Educational Consultants (India) Ltd.
15. FCI Aravali Gypsum & Minerals (India) Ltd.
16. Ferro Scrap Nigam Ltd.
17. Hindustan Antibiotics Ltd.
18. Hindustan Insecticides Ltd.
19. Hindustan Photo Films Manufacturing Company Ltd.
20. Hindustan Prefab Ltd.
21. Hindustan Salts Ltd.
22. HMT Bearings Ltd.
23. HMT Chinar Watches Ltd.
24. Hooghly Dock and Port Engineers Ltd.
25. HSCC (India) Ltd.
26. Hotel Corporation of India Ltd.
27. Jute Corporation of India Ltd.
28. Karnataka Antibiotics & Pharmaceuticals Ltd
29. Nagaland Pulp & Paper Company Ltd.
30. National Backward Classes Finance & Development Corporation.
31. National Film Development Corporation Ltd.
32. National Handicapped Finance & Development

- Corporation.
33. National Minorities Development & Finance Corporation
34. National Research Development Corporation of India.
35. National Safai Karamcharis Finance & Development Corporation.
36. National SC Finance & Development Corporation
37. National ST Finance & Development Corporation
38. NEPA Ltd.
39. North Eastern Handicrafts & Handloom Development Corporation Ltd.
40. North Eastern Regional Agricultural Marketing Corporation Ltd.
41. Rajasthan Electronics & Instruments Ltd.
42. Richardson & Cruddas (1972) Ltd.
43. STCL Ltd.
44. Triveni Structurals Ltd.
45. Tungabhadra Steel Products Ltd.

Schedule - D

1. Hindustan Fluorocarbons Limited
2. Indian Medicines Pharmaceutical Corporation Ltd.
3. Orissa Drugs & Chemicals Ltd.
4. Rajasthan Drugs & Pharmaceuticals Ltd.

Annexure- 6.2

Status of Grading Report of CPSEs on compliance with Guidelines on Corporate Governance for CPSEs for the year 2014-15			
S.No.	Name of CPSEs (As on 31.3.2014 from PE Survey)	Name of administrative Ministry/Department	Grading for the year 2014-15
1	National Seeds Corpn. Ltd.	Agriculture and Cooperation (O.M. No. 13019/1/2014-SD-II Dated 29 th June, 2015)	Excellent
2	Anushakti Vidhyut Nigam Ltd.	Atomic Energy	Under Construction
3	Indian Oil Nuclear Energy Corpn. Ltd.	Atomic Energy	Under Construction
4	Nalco Power Company Ltd.	Atomic Energy	Under Construction
5	Electronics Corpn. Of India Ltd.	Atomic Energy (O.M. N. 4/2/(23/(2009-PSU/Vol. III /7019 Dated 28 th May, 2015)	Excellent
6	Uranium Corporation Of India Ltd.	Atomic Energy (O.M. N. 4/2/(23/(2009-PSU/Vol. III /7019 Dated 28 th May, 2015)	Very Good
7	Indian Rare Earths Ltd.	Atomic Energy (O.M. N. 4/2/(23/(2009-PSU/Vol. III /7019 Dated 28 th May, 2015)	Excellent
8	Nuclear Power Corpn. Of India Ltd.	Atomic Energy (O.M. N. 4/2/(23/(2009-PSU/Vol. III /7019 Dated 28 th May, 2015)	Excellent
9	Bharatiya Nabhikiya Vidyut Nigam Ltd.	Atomic Energy (O.M. N. 4/2/(23/(2009-PSU/Vol. III /7019 Dated 28 th May, 2015)	Very Good
10	Indian Medicines & Pharmaceutical Corpn. Ltd.	AYUSH (O.M. No. R.13014/14/2014-AYUSH(IMPCL) Dated 2 nd June, 2015)	Excellent
11	Biotechnology Industry Research Assistance Council	Biotechnology (O.M. No. BT/AI/14013/2/2012-Pt.I dated 2.6.2015)	Excellent
12	Bharat Immunologicals & Biologicals Corpn. Ltd.	Biotechnology	Poor (Not Received)
13	Indian Vaccine Corpn. Ltd.	Biotechnology	Non-operational
14	Hindustan Insecticides Ltd.	Chemicals & Petrochemicals (O.M. No. P-53013/12/2014-CH. III Dated 1 st June, 2015)	Excellent
15	Hindustan Fluorocarbons Ltd.	Chemicals & Petrochemicals	Poor (Not received)
16	Hindustan Organic Chemicals Ltd.	Chemicals and Petrochemicals (O.M. No. P-53013/12/2014-CH. III Dated 1 st June, 2015)	Very Good
17	Karnataka Trade Promotion Organization (from CPSE)	Commerce (No. 9/122/CS/ITPO/2014 Vol. XVIII Dated 15-04-2015)	Excellent
18	Tamil Nadu Trade Promotion Organisation (From CPSE)	Commerce (TNTPO/57/CS/2012 dated 1.5.2015)	Good
19	State Trading Corpn. Of India Ltd.	Commerce (O.M. No. 17/13/2015-FT(ST) Dated 26 th May, 2015)	Excellent

20	M M T C Ltd.	Commerce (O.M. No. 17/13/2015-FT(ST) Dated 26 th May, 2015)	Excellent
21	P E C Ltd.	Commerce (O.M. No. 17/13/2015-FT(ST) Dated 26 th May, 2015)	Very Good
22	India Trade Promotion Organisation	Commerce (O.M. No. 1(16)/2012-TP Dated 16 th June, 2015)	Excellent
23	Export Credit Guarantee Corpn. Of India Ltd.	Commerce	Poor (Not received)
24	STCL Ltd.	Commerce	Closed
25	BEML Limited (From CPSE)	Defence Production (CS/Mod/03 dated 6.4.2015)	Excellent
26	Vignyan Industries Ltd. (From CPSE)	Defence Production (CS/VIL/Mod/006 dated 7.4.2015)	Excellent
27	Hindustan Shipyard Ltd. (From CPSE)	Defence Production (SEC/COM/07/2015 dated 10.4.2015)	Excellent
28	Mishra Dhatu Nigam Ltd. (From CPSE)	Defence Production (MDN/CS/MIN/2015 dated 11.4.2015)	Very Good
29	Garden Reach Shipbuilders & Engineers Ltd. (From CPSE)	Defence Production (O.M. No. 23(54)/2015/GRSE/D(NS-II) Dated 29 th May, 2015)	Excellent
30	Goa Shipyard Ltd. (From CPSE)	Defence Production (GSL/SEC/11/CORP/GOV/G-03967 dated 28.4.2015)	Excellent
31	Bharat Electronics Ltd. (From CPSE)	Defence Production (17545/3/GOV/MOD-CGRPT/SEC dated 20.4.2015)	Excellent
32	Mazagon Dock Ltd. (From CPSE)	Defence Production (SEC/Corp Gov/2014-15/40 dated 6.4.2015)	Very Good
33	Hindustan Aeronautics Ltd. (From CPSE)	Defence Production (CO/SEC 9(47)/2014 dated 21.4.2015)	Excellent
34	BEL Optronics Devices Ltd.	Defence Production	Poor (Not received)
35	Bharat Dynamics Ltd.	Defence Production (O.M. No. H-62015/14/2014-D(BDL) Dated 27 th August, 2015)	Very Good
36	MAMC Industries Ltd.	Defence Production	Under Construction
37	Security Printing & Minting Corpn. India Ltd.	Economic Affairs (O.M. No. 3/8/2010-SPMC dated 11.5.2015)	Excellent
38	National Informatics Centre Services Incorporated	Electronics and Information Technology (NICS/CS/DPE/10.11/224/Volume-III dated 8.4.2015)	Excellent
39	Brahmaputra Valley Fertilizer Corpn. Ltd. (From CPSE)	Fertilizers (BVFCL/CS/45/104 dated 4.4.2015)	Excellent
40	Projects & Development India Ltd. (From CPSE)	Fertilizers Dated 14.5.2015	Excellent
41	FCI Aravali Gypsum & Minerals India Ltd.	Fertilizers (O.M. No. 80/02/2013-HR-I Dated 18-12-2015)	Excellent
42	Fertilizer Corpn. of India Ltd.	Fertilizers	Closed Unit

43	Fertilizers & Chemicals Travancore Ltd.	Fertilizers (O.M. No. 80/02/2013-HR-I Dated 18-12-2015)	Excellent
44	Hindustan Fertilizers Ltd.	Fertilizers	Closed Unit
45	Madras Fertilizers Ltd.	Fertilizers (O.M. No. 80/02/2013-HR-I Dated 18-12-2015)	Excellent
46	National Fertilizers Ltd.	Fertilizers (O.M. No. 80/02/2013-HR-I Dated 18-12-2015)	Excellent
47	Rashtriya Chemicals and Fertilizers Ltd.	Fertilizers (O.M. No. 80/02/2013-HR-I Dated 18-12-2015)	Excellent
48	Food Corpn. Of India	Food & Public Distribution (O.M. No. 13-3/2013-FC-II Dated 21 st August, 2015)	Excellent
49	Central Railside Warehousing Co. Ltd.	Food and Public Distribution (O.M. No. 9-23/2014-SG Dated 5 th May, 2015)	Excellent
50	Central Warehousing Corpn.	Food and Public Distribution (O.M. No. 9-24/2014-SG Dated 16 th April, 2015)	Excellent
51	Hindustan Vegetable Oils Corpn. Ltd.	Food and Public Distribution	Closed Unit
52	HSCC (India) Ltd.	Health and Family Welfare	Poor (Not received)
53	HLL Biotech Ltd.	Health and Family Welfare (O.M. No. A-45013/7/2008-NM(HLL) Dated 22 th April, 2015)	Excellent
54	HLL Lifecare Ltd.	Health and Family Welfare (O.M. No. A-45013/7/2008-NM(HLL) Dated 8 th April, 2015)	Excellent
55	Goa Antibiotics & Pharmaceuticals Ltd.	Health and Family Welfare	Poor (Not received)
56	HMT Ltd. (From CPSE)	Heavy Industry (SECL/M-13 dated 15.4.2015)	Good
57	Cement Corpn. Of India Ltd. (From CPSE)	Heavy Industry (CCI/SEC/17/2011/ dated 15.4.2015)	Excellent
58	Bharat Heavy Electricals Ltd.	Heavy Industry (O.M. No. 12(11)/2015-PE.XI Dated 4 th June, 2015)	Excellent
59	Engineering Projects (India) Ltd.	Heavy Industry (O.M. No. 16(20)/2013-TSW Dated 21 st April, 2015)	Excellent
60	BHEL Electrical Machines Ltd.	Heavy Industry (O.M. No. 12(11)/2015-PE.XI Dated June, 2015)	Very Good
61	Bharat Bhari Udyog Nigam Ltd. (From CPSE)	Heavy Industry (BBUNL/CS/DHI/2015-16/07 dated 29.4.2015)	Very Good
62	Rajasthan Electronics And Instruments Ltd. (From CPSE)	Heavy Industry (REIL/F&A/2015-2016/MHI dated 4.4.2015)	Excellent
63	Andrew Yule & Company Ltd.	Heavy Industry	Poor (Not received)
64	Bharat Heavy Plate & Vessels Ltd.	Heavy Industry	Closed Unit
65	Bharat Pumps & Compressors Ltd.	Heavy Industry	Poor (Not received)
66	Braithwaite Burn & Jessop Construction Company Ltd.	Heavy Industry	Poor (Not received)
67	Bridge & Roof Co. India Ltd.	Heavy Industry	Poor (Not received)
68	Heavy Engineering Corpn. Ltd.	Heavy Industry	Poor (Not received)
69	Hindustan Cables Ltd.	Heavy Industry	Under Closure

70	Hindustan Newsprint Ltd.	Heavy Industry	Poor (Not received)
71	Hindustan Paper Corpn. Ltd.	Heavy Industry	Poor (Not received)
72	Hindustan Photo Films Manufacturing Co. Ltd.	Heavy Industry	Poor (Not received)
73	Hindustan Salts Ltd.	Heavy Industry	Poor (Not received)
74	HMT International Ltd.	Heavy Industry	Poor (Not received)
75	HMT Bearing Ltd.	Heavy Industry	Under Closure
76	HMT Chinar Watches Ltd.	Heavy Industry	Under Closure
77	HMT Machine Tools Ltd.	Heavy Industry	Poor (Not received)
78	HMT Watches Ltd.	Heavy Industry	Under Closure
79	Hooghly Printing Company Ltd.	Heavy Industry	Poor (Not received)
80	Instrumentation Ltd.	Heavy Industry	Poor (Not received)
81	Jagdishpur Paper Mills Ltd.	Heavy Industry	Under Construction
82	Nagaland Pulp & Paper Company Ltd.	Heavy Industry	Not Operational
83	NEPA Ltd.	Heavy Industry	Poor (Not received)
84	Richardson & Cruddas 1972 Ltd.	Heavy Industry	Poor (Not received)
85	Sambhar Salts Ltd.	Heavy Industry	Poor (Not received)
86	Scooters India Ltd.	Heavy Industry	Poor (Not received)
87	Triveni Structurals Ltd.	Heavy Industry	Under Closure
88	Tungabhadra Steel Products Ltd.	Heavy Industry	Under Closure
89	Tyre Corpn. of India Ltd.	Heavy Industry	Under Closure
90	Bengal Chemicals & Pharmaceuticals Ltd.	Pharmaceuticals (O.M. No. 35013/13/2015-PSU Dated 10 th August, 2015)	Fair
91	Karnataka Antibiotics & Pharmaceuticals Ltd.	Pharmaceuticals (O.M. No. 35013/13/2015-PSU Dated 10 th August, 2015)	Very Good
92	Hindustan Antibiotics Ltd.	Pharmaceuticals	Poor (Not received)
93	IDPL (Tamilnadu) Ltd.	Pharmaceuticals	Poor (Not received)
94	Indian Drugs & Pharmaceuticals Ltd.	Pharmaceuticals (O.M. No. 35013/13/2015-PSU Dated 10 th August, 2015)	Poor
95	Orissa Drugs & Chemicals Ltd.	Pharmaceuticals	Poor (Not received)
96	Rajasthan Drugs & Pharmaceuticals Ltd.	Pharmaceuticals (O.M. No. 35013/13/2015-PSU Dated 10 th August, 2015)	Good
97	Central Electronics Ltd.	Scientific & Scientific & Industrial Research (O.M. No.DSIR/PSU/5/2014-15 Dated 20 th April, 2015)	Excellent

98	National Research Development Corpn.	Scientific & Scientific & Industrial Research (O.M. No.DSIR/PSU/5/2014-15 Dated 20 th April, 2015)	Excellent
99	Antrix Corporation Ltd.	Space (O.M. No.C.19013/22/2015. Sec.3(2) dated 27.8.2015	Excellent
100	Telecommunications Consultants (India) Ltd.	Telecommunications (TCIL/CS/19/SECTT dated 30.4.2015)	Excellent
101	I T I Ltd.	Telecommunications (O.M. No. 20-28/2014-FAC-II Dated 10 th July, 2015)	Excellent
102	Mahanagar Telephone Nigam Ltd.	Telecommunications (O.M. No. 19-24/2014-SU-II Dated 12 th May, 2015)	Excellent
103	Millennium Telecom Ltd.	Telecommunications (O.M. No. 19-24/2014-SU-II Dated 29 th July, 2015)	Very Good
104	Bharat Sanchar Nigam Ltd.	Telecommunications (BSNL/SECTT/25-3/2009 dated 9.4.2015	Excellent
105	Bharat Broadband Network Ltd.	Telecommunications (O.M. 20/2/2013-Policy-I(pt)/SU-II Dated 23 rd November, 2016)	Excellent
106	TCIL Bina Toll Road Ltd.	Telecommunications	Under Construction
107	TCIL Lakhnadone Toll Road Ltd.	Telecommunications	Under Construction
108	Central Mine Planning & Design Institute Ltd.	Coal (O.M. No. 38011/3/2015-CA-II Dated 4 th June, 2015)	Excellent
109	Neyveli Lignite Corpn. Ltd.	Coal (O.M. No. 38011/3/2015-CA-II Dated 4 th June, 2015)	Excellent
110	NLC Tamil Nadu Power Ltd.	Coal (O.M. No. 38011/3/2015-CA-II Dated 4 th June, 2015)	Excellent
111	Eastern Coalfields Ltd.	Coal (O.M. No. 38011/3/2015-CA-II Dated 4 th June, 2015)	Very Good
112	South Eastern Coalfields Ltd.	Coal (O.M. No. 38011/3/2015-CA-II Dated 4 th June, 2015)	Excellent
113	Central Coalfields Ltd.	Coal (O.M. No. 38011/3/2015-CA-II Dated 4 th June, 2015)	Excellent
114	Northern Coalfields Ltd.	Coal (O.M. No. 38011/3/2015-CA-II Dated 4 th June, 2015)	Excellent
115	Bharat Coking Coal Ltd.	Coal (O.M. No. 38011/3/2015-CA-II Dated 4 th June, 2015)	Excellent
116	Mahanadi Coalfields Ltd.	Coal (O.M. No. 38011/3/2015-CA-II Dated 4 th June, 2015)	Excellent
117	Mahanadi Basin Power Ltd.	Coal (O.M. No. 38011/3/2015-CA-II Dated 4 th June, 2015)	Good
118	Western Coalfields Ltd.	Coal (O.M. No. 38011/3/2015-CA-II Dated 4 th June, 2015)	Excellent
119	Coal India Ltd.	Coal (No. CIL: XI(D):04129:2015:10381 Dated 3 rd June, 2015)	Excellent
120	Neyveli Uttar Pradesh Power Ltd	Coal (O.M. No. 38011/3/2015-CA-II Dated 4 th June, 2015)	Very Good
121	MJSJ Coal Ltd.	Coal	Under Construction
122	MNH Shakti Ltd.	Coal	Under Construction

123	North Eastern Regional Agri. Marketing Corpn. Ltd.	Development of North Eastern Region (O.M. No.1/25/Corp.Gov./2013-Doner(NERAMAC) dated 18.6.2015)	Good
124	North Eastern Handicrafts & Handloom Dev. Corpn. Ltd.	Development of North Eastern Region	Poor (Not received)
125	Hindustan Prefab Ltd.	Housing & Urban Poverty Alleviation (O.M. No. I-15017/18/2014-AA Dated 20 th April, 2015)	Excellent
126	Housing & Urban Dev. Corpn. Ltd.	Housing & Urban Poverty Alleviation (O.M. No. I-14020/6/2012-HR (6239) Dated 30 th June, 2015)	Excellent
127	National Film Dev. Corpn. Ltd.	Information & Broadcasting (O.M. No. 202/4/2012-F(PSU) Dated 21 st April, 2015)	Excellent
128	Broadcast Engg. Consultants India Ltd.	Information & Broadcasting (O.M. No. 704/22/2012-B(D) Dated 2.6.2015)	Excellent
129	National Small Industries Corpn. Ltd.	Micro Small & Medium Enterprises (O.M. No. A-53/2/2014-SME Dated 27 April, 2015)	Excellent
130	Mineral Exploration Corpn. Ltd.	Mines (O.M. No. 2/4/2011-CDN(Vol. III) Dated 8 June, 2015)	Excellent
131	Hindustan Copper Ltd.	Mines (O.M. No. 2/4/2011-CDN(Vol. III) Dated 8 June, 2015)	Excellent
132	National Aluminium Company Ltd.	Mines (O.M. No. 2/4/2011-CDN(Vol. III) Dated 8 June, 2015)	Excellent
133	National Minorities Devp. & Finance Corporation	Minority AfFairs (O.M. No. 9-5/2014-NMDFC Dated 1.9.2015)	Very Good
134	Indian Renewable Energy Devt. Agency Ltd. (From CPSE)	New and Renewable Energy (229/7/F&A/2013/80 dated 16.4.2015)	Excellent
135	Solar Energy Corpn. of India	New and Renewable Energy	Poor (Not received)
136	Oil & Natural Gas Corporation Ltd.	Petroleum & Natural Gas (O.M. No. C-31038/9/2014-CA/FTS: 32095 Dated 5 th August, 2015)	Excellent
137	Indian Oil Corporation Ltd.	Petroleum & Natural Gas (O.M. No. C-31038/9/2014-CA/FTS: 32095 Dated 5 th August, 2015)	Excellent
138	GAIL (India) Ltd.	Petroleum & Natural Gas (O.M. No. C-31038/9/2014-CA/FTS: 32095 Dated 5 th August, 2015)	Excellent
139	Hindustan Petroleum Corpn. Ltd.	Petroleum & Natural Gas (O.M. No. C-31038/9/2014-CA/FTS: 32095 Dated 5 th August, 2015)	Excellent
140	Bharat Petroleum Corpn. Ltd.	Petroleum & Natural Gas (O.M. No. C-31038/9/2014-CA/FTS: 32095 Dated 5 th August, 2015)	Excellent
141	Oil India Ltd.	Petroleum & Natural Gas (O.M. No. C-31038/9/2014-CA/FTS: 32095 Dated 5 th August, 2015)	Excellent
142	Engineers India Ltd.	Petroleum & Natural Gas (O.M. No. C-31038/9/2014-CA/FTS: 32095 Dated 5 th August, 2015)	Excellent

143	Balmer Lawrie & Co. Ltd.	Petroleum & Natural Gas (O.M. No. C-31038/9/2014-CA/FTS: 32095 Dated 5 th August, 2015)	Excellent
144	ONGC Videsh Ltd.	Petroleum & Natural Gas (O.M. No. C-31038/9/2014-CA/FTS: 32095 Dated 5 th August, 2015)	Excellent
145	Numaligarh Refinery Ltd.	Petroleum & Natural Gas (O.M. No. C-31038/9/2014-CA/FTS: 32095 Dated 5 th August, 2015)	Excellent
146	Mangalore Refinery & Petrochemicals Ltd.	Petroleum & Natural Gas (O.M. No. C-31038/9/2014-CA/FTS: 32095 Dated 5 th August, 2015)	Excellent
147	Chennai Petroleum Corporation Ltd.	Petroleum & Natural Gas (O.M. No. C-31038/9/2014-CA/FTS: 32095 Dated 5 th August, 2015)	Excellent
148	Biecco Lawrie & Co. Ltd.	Petroleum & Natural Gas (O.M. No. C-31038/9/2014-CA/FTS: 32095 Dated 5 th August, 2015)	Very Good
149	Balmer Lawrie Investments Ltd.	Petroleum & Natural Gas (O.M. No. C-31038/9/2014-CA/FTS: 32095 Dated 5 th August, 2015)	Excellent
150	Bharat Petro Resources Ltd.	Petroleum & Natural Gas (O.M. No. C-31038/9/2014-CA/FTS: 32095 Dated 5 th August, 2015)	Excellent
151	Certification Engineers International Ltd.	Petroleum & Natural Gas (O.M. No. C-31038/9/2014-CA/FTS: 32095 Dated 5 th August, 2015)	Excellent
152	GAIL Gas Ltd.	Petroleum & Natural Gas (O.M. No. C-31038/9/2014-CA/FTS: 32095 Dated 5 th August, 2015)	Excellent
153	Indian Oil-Creda Biofuels Ltd.	Petroleum & Natural Gas (O.M. No. C-31038/9/2014-CA/FTS: 32095 Dated 5 th August, 2015)	Very Good
154	Prize Petroleum Company Ltd.	Petroleum & Natural Gas (O.M. No. C-31038/9/2014-CA/FTS: 32095 Dated 5 th August, 2015)	Excellent
155	Bharat Petro Resources Jpda	Petroleum & Natural Gas (O.M. No. C-31038/9/2014-CA/FTS: 32095 Dated 5 th August, 2015)	Excellent
156	Creda HPCL Biofuel Ltd.	Petroleum & Natural Gas	Poor (Not received)
157	HPCL Biofuel Ltd. (from CPSE)	Petroleum & Natural Gas (No. Ref. Co. Secy./HBL/2015 Dated 23-12-2015)	Excellent
158	HPCL Rajasthan Refinery Ltd.	Petroleum & Natural Gas	Under Construction
159	Indo Cat Pvt. Ltd.	Petroleum & Natural Gas	Under Construction
160	Oil India International Ltd.	Petroleum & Natural Gas (O.M. No. C-31038/9/2014-CA/FTS: 32095 Dated 5 th August, 2015)	Excellent
161	Brahmaputra Crackers & Polymer Ltd.	Chemicals & Petrochemicals (O.M. No. 45012/21/2010-PC-I Dated 20 th April, 2015)	Very Good
162	Power Finance Corporation	Power (O.M. No. 9/12/2012-PFC Desk Dated 24 th April, 2015)	Excellent
163	NHPC Ltd. (From CPSE)	Power (No. NH/PD/IP/MOU A-15-Compliance/810 Dated 6.5.2015)	Excellent

164	NTPC Ltd. (From CPSE)	Power (No. 01: SEC:dpe)	Excellent
165	Power Grid Corporation Of India Ltd. (From CPSE)	Power (No. C/COS/ Dated 15.4.2015)	Excellent
166	Rural Electrification Corpn. Ltd. (From CPSE)	Power (SEC-1/225/2015/1353 Dated 30.4.2015)	Excellent
167	Rec Power Distribution Co. Ltd. (From CPSE)	Power (No. SEC-1/225/2015/389 Dated 25.5.2015)	Very Good
168	Rec Transmission Project Co. Ltd. (From CPSE)	Power (No. SEC-1/225/2015/1371 Dated 15.5.2015)	Excellent
169	NTPC Electric Supply Company Ltd. (From CPSE)	Power (No. 01:SEC:NVVN:MIS Dated 1 April, 2015)	Excellent
170	NTPC Vidyut Vyapar Nigam Ltd. (From CPSE)	Power (No. 01:SEC: NVVN: MIS Dated 1 April, 2015)	Excellent
171	Power System Operation Corporation Ltd. (From CPSE)	Power (No. C/COS/80 dated 27.4.2015)	Excellent
172	SJVN Ltd. (From CPSE)	Power (No. SJVN/CS/70A/2015-1634 Dated 6 th April, 2015)	Excellent
173	Kanti Bijlee Utpadan Nigam Ltd. (From CPSE)	Power (No. 01:SEC:dpe Dated 7.4.2015)	Excellent
174	Loktak Downstream Hydroelectric Corporation Ltd. (From CPSE)	Power (LDHCL/CS/LD-01(II)/457 dated 13.4.2015)	Good
175	Bhartiya Rail Bijlee Co. Ltd. (From CPSE)	Power (No. 01:SEC:dpe Dated 9.4.2015)	Excellent
176	Ballabgarh – GN Transmission Co. Ltd.	Power	Under Construction
177	Cheyur Infra Ltd.	Power	Under Construction
178	Chhattishgarh Surguja Power Ltd.	Power	Under Construction
179	Coastal Karnataka Power Ltd.	Power	Under Construction
180	Coastal Maharashtra Mega Power Ltd.	Power	Under Construction CPSE
181	Coastal Tamil Nadu Power Ltd.	Power	Under Construction
182	Deoghar Mega Power Ltd.	Power	Under Construction
183	DGEN Transmission Company Ltd.	Power	Under Construction
184	Ghogapalli Integrated Power Company Ltd.	Power	Under Construction
185	NHDC Ltd.	Power	Poor (Not received)
186	North Eastern Electric Power Corpn. Ltd.	Power	Poor (Not received)
187	Odisha Infrapower Ltd.	Power	Under Construction
188	Orissa Integrated Power Ltd.	Power	Under Construction
189	PFC Capital Advisory Service Ltd.	Power	Poor (Not received)
190	PFC Consulting Ltd.	Power	Poor (Not received)
191	PFC Green Energy Ltd.	Power	Poor (Not received)
192	Power Equity Capital Advisors Pvt. Ltd.	Power	Under Construction

193	Power Grid NM Transmission Ltd.	Power	Under Construction
194	Power Grid Vemagiri Transmission Ltd.	Power	Under Construction
195	Sakhigopal Integrated Power Company Ltd.	Power	Under Construction
196	SJVN Thermal Pvt. Ltd.	Power	Under Construction
197	Tanda Transmission Company Ltd.	Power	Under Construction
198	Tatiya Andhra Mega Power Ltd.	Power	Under Construction
199	THDC India Ltd.	Power	Poor (Not received)
200	Unchahar Transmission Ltd.	Power	Under Construction
201	Vizag Transmission Ltd.	Power	Under Construction
202	RITES Ltd.	Railways (O.M. No.2014/PL/57/18 dated 30.7.2015)	Very Good
203	IRCON International Ltd.	Railways (O.M. No.2014/PL/57/18 dated 30.7.2015)	Excellent
204	Konkan Railway Corporation Ltd.	Railways (O.M. No.2014/PL/57/18 dated 30.7.2015)	Excellent
205	Mumbai Railway Vikas Corporation Ltd.	Railways (O.M. No.2014/PL/57/18 dated 30.7.2015)	Excellent
206	Railtel Corporation India Ltd.	Railways (O.M. No.2014/PL/57/18 dated 30.7.2015)	Very Good
207	Indian Railway Catering And Tourism Corpn. Ltd.	Railways (O.M. No.2014/PL/57/18 dated 30.7.2015)	Excellent
208	Rail Vikas Nigam Ltd.	Railways (O.M. No.2014/PL/57/18 dated 30.7.2015)	Very Good
209	Indian Railway Finance Corporation Ltd.	Railways (O.M. No.2014/PL/57/18 dated 30.7.2015)	Excellent
210	Container Corporation Of India Ltd.	Railways (O.M. No.2014/PL/57/18 dated 30.7.2015)	Excellent
211	Dedicated Fright Corridor Corp. Of India Ltd.	Railways (O.M. No.2014/PL/57/18 dated 30.7.2015)	Very Good
212	Bharat Wagon & Engg. Co. Ltd.	Railways (O.M. No.2014/PL/57/18 dated 30.7.2015)	Fair
213	Burn Standard Company Ltd.	Railways (O.M. No.2014/PL/57/18 dated 30.7.2015)	Very Good
214	Braithwaite & Co. Ltd.	Railways (O.M. No.2014/PL/57/18 dated 30.7.2015)	Very Good
215	Fresh & Healthy Enterprises Ltd. (From CPSE)	Railways (CON/CS/2015-16 dated 26.5.2015)	Excellent
216	CONCOR Air & Ltd.	Railways	Poor (Not received)
217	High Speed Rail Corporation of India Ltd.	Railways	Under Construction
218	Indian Railway Stations Devpt. Corpn. Ltd.	Railways	Under Construction
219	IRCON Infrastructure & Services Ltd.	Railways	Poor (Not received)
220	Kolkata Metro Rail Corpn. Ltd.	Railways (O.M. No.2014/PL/57/18 dated 30.7.2015)	Poor
221	Punjab Logistic Infrastructure Ltd.	Railways	Under Construction

222	Railway Energy Management Company Ltd.	Railways	Under Construction
223	Rites Infrastructure Services Ltd.	Railways	Poor (Not received)
224	Sidcul Concor Infra Company Ltd.	Railways	Under Construction
225	Shipping Corporation Of India Ltd.	Shipping (O.M. No. SS-11036/33/2015-SY.II dated 1.6.2015)	Excellent
226	Dredging Corpn. Of India Ltd.	Shipping (O.M. No. SS-11036/33/2015-SY.II dated 1.6.2015)	Excellent
227	Kamarajar Port Ltd.	Shipping (O.M. No. SS-11036/33/2015-SY.II dated 1.7.2015)	Excellent
228	Central Inland Water Transport Corpn. Ltd.	Shipping	Not operational
229	Cochin Shipyard Ltd.	Shipping (O.M. No. SY-13019/7/2015-CSL Dated 1 st June, 2015)	Excellent
230	Hooghly Dock and Port Engineers Ltd.	Shipping	Poor (Not received)
231	Sethusamudram Corpn. Ltd.	Shipping	Under Construction
232	National Scheduled Castes Finance & Devp. Corpn.	Social Justice & Empowerment (O.M. No 19015/10/2013-SCD-IV Dated 20 July, 2015)	Excellent
233	National Handicapped Finance & Devpt. Corpn. (From CPSE)	Social Justice & Empowerment (No. NHF/2/22/cg/2015/98903 Dated 12 th May, 2015)	Excellent
234	National Backward Classes Finance & Devp.Co. (From CPSE)	Social Justice & Empowerment (No. CS/CG/QLY/2014-15 Dated 6 th April, 2015)	Excellent
235	Artificial Limbs Mfg. Corpn. of India	Social Justice & Empowerment	Poor (Not received)
236	National Safai Karamcharis Finance & Devpt. Corpn.	Social Justice & Empowerment (O.M. No. 19015/11/2013-SCD-IV)	Very Good
237	Rashtriya Ispat Nigam Ltd.	Steel (O.M. No. 13(12)/2015-Coord. Dated 11 th August, 2015)	Excellent
238	Ferro Scrap Nigam Ltd.	Steel (O.M. No. 13(12)/2015-Coord. Dated 11 th August, 2015)	Excellent
239	M S T C Ltd.	Steel (O.M. No. 13(12)/2015-Coord. Dated 11 th August, 2015)	Excellent
240	Steel Authority Of India Ltd.	Steel (O.M. No. 13(12)/2015-Coord. Dated 6 th May, 2015)	Excellent
241	NMDC Ltd.	Steel (O.M. No. 13(12)/2015-Coord. Dated 6 th May, 2015)	Excellent
242	Hindustan Steelworks Costn. Ltd.	Steel (O.M. No. 13(12)/2015-Coord. Dated 11 th August, 2015)	Excellent
243	KIOCL Ltd.	Steel (O.M. No. 13(12)/2015-Coord. Dated 6 th May, 2015)	Excellent
244	MECON Ltd.	Steel (O.M. No. 13(12)/2015-Coord. Dated 11 th August, 2015)	Excellent
245	MOIL Ltd.	Steel (O.M. No. 13(12)/2015-Coord. Dated 6 th May, 2015)	Excellent
246	Eastern Investment Ltd.	Steel	Un-operational
247	J & K Mineral Development Corpn. Ltd.	Steel	Un-operational
248	Jharkhand National Mineral Devpt. Corpn. Ltd.	Steel	Under Construction
249	NMDC Power Ltd.	Steel	Under Construction
250	NMDC-CMDC Ltd.	Steel	Under Construction
251	Orissa Mineral Development Company Ltd.	Steel	Un-operational
252	SAIL Jagadishpur Power Plant Ltd.	Steel	Under Construction
253	SAIL Refractory Company Ltd.	Steel	Poor (Not received)

254	SAIL Sindri Project Ltd.	Steel	Under Construction
255	The Bisra Stone Lime Company Ltd.	Steel	Poor (Not received)
256	Jute Corpn. Of India Ltd. (From CPSE)	Textiles (JCI/Sect-CG/2015-16 dated 22.4.2015)	Very Good
257	Handicrafts & Handloom Exports Corp. Of India Ltd. (From CPSE)	Textiles (HHEC/SECY/288 dated 15.4.2015)	Excellent
258	Cotton Corpn. Of India Ltd. (From CPSE)	Textiles (CCI/Sectt/CPSE/2014-15 dated 10.4.2015)	Excellent
259	National Textile Corpn. Ltd.	Textiles (O.M. No. 16/13/2013-NTC Dated 15 June, 2014)	Excellent
260	National Handloom Development Corporation Ltd.	Textiles (O.M. No. 40/2/2015-DCH/NHDC/CSR Dated 22 nd April, 2015)	Excellent
261	Central Cottage Industries Corpn. Of India Ltd.	Textiles (O.M. No. 1/11/2015-CCIC Dated 29 th June, 2015)	Excellent
262	Birds Jute & Exports Ltd.	Textiles	Closed
263	British India Corpn. Ltd.	Textiles	Not operational
264	National Jute Manufactures Corpn. Ltd.	Textiles	Poor (Not received)
265	India Tourism Dev. Corpn. Ltd.	Tourism (O.M. No. 1/4/2011 PSU(T) Dated 4.8.2015)	Excellent
266	Assam Ashok Hotel Corpn. Ltd.	Tourism (O.M. No. 1/4/2011 PSU(T) Dated 4.8.2015)	Very Good
267	Pondicherry Ashok Hotel Corpn. Ltd.	Tourism (O.M. No. 1/4/2011 PSU(T) Dated 4.8.2015)	Good
268	Donyi Polo Ashok Hotel Ltd.	Tourism (O.M. No. 1/4/2011 PSU(T) Dated 4.8.2015)	Good
269	Madhya Pradesh Ashok Hotel Corpn. Ltd.	Tourism (O.M. No. 1/4/2011 PSU(T) Dated 4.8.2015)	Good
270	Ranchi Ashok Bihar Hotel Corpn. Ltd.	Tourism (O.M. No. 1/4/2011 PSU(T) Dated 4.8.2015)	Good
271	Kumarakruppa Frontier Hotels Ltd.	Tourism	Not Operational
272	Punjab Ashok Hotel Company Ltd.	Tourism	Under Construction
273	Utkal Ashok Hotel Corpn. Ltd.	Tourism	Not operational
274	National Scheduled Tribes Finance & Devp. Corpn.	Tribal Affairs (O.M. No. 20025/7/2013-SG-II Dated 28.04.2015)	Excellent
275	National Bldg. Constn. Corpn. Ltd.	Urban Development (O.M. No. O-17034/10/2009-PS(Vol-II) Dated 6 th August, 2015)	Excellent
276	Air India Air Transport Services Ltd.	Civil Aviation	Poor (Not received)
277	Air India Charters Ltd.	Civil Aviation	Poor (Not received)
278	Air India Engineering Services Ltd.	Civil Aviation	Under Construction
279	Air India Ltd.	Civil Aviation	Poor (Not received)
280	Airline Allied Services Ltd.	Civil Aviation	Poor (Not received)

281	Airports Authority of India	Civil Aviation	Poor (Not received)
282	Hotel Corpn. of India Ltd.	Civil Aviation	Poor (Not received)
283	Pawan Hans Ltd.	Civil Aviation	Poor (Not received)
284	Andaman & Nicobar Isl. Forest & Plant Dev. Corpn. Ltd.	Environment, Forests Climate Change	Closed
285	India Infrastructure Finance Co. Ltd.	Financial Services	Poor (Not received)
286	Irrigation & Water Resources Fin. Corpn . Ltd.	Financial Services	Poor (Not received)
287	Delhi Police Housing Corpn. Ltd.	Home Affairs	Poor (Not received)
288	Edcil India Ltd.	Higher Education	Poor (Not received)
289	National Projects Construction Corpn. Ltd.	Water Resources (O.M. No. 3/8/2013-PSU(Vol.I)/563 Dated 1.6.2015)	Excellent
290	WAPCOS Ltd.	Water Resources (O.M. No. 3/8/2013-PSU(Vol.I)/563 Dated 1.6.2015)	Excellent

Chapter 7

Delegation of Enhanced Financial Powers to CPSEs

The Board of Directors of a CPSE exercises the delegated powers subject to broad policy guidelines issued by Government from time to time. The Government has granted enhanced powers to the Boards of Maharatna, Navratna, Miniratna and other profit making enterprises.

7.1 Maharatna Scheme

The Government introduced Maharatna scheme in February, 2010 with the objective to delegate enhanced powers to the Boards of identified large sized Navratna CPSEs so as to facilitate expansion of their operations, both in domestic as well as global markets.

7.1.1 Eligibility criteria for grant of Maharatna status: - The CPSEs fulfilling the following criteria are eligible to be considered for grant of Maharatna status:-

- (a) Having Navratna status
- (b) Listed on Indian stock exchange, with minimum prescribed public shareholding under SEBI regulations
- (c) An average annual turnover during the last 3 years of more than ₹25,000 crore
- (d) An average annual net worth during the last 3 years of more than ₹15,000 crore
- (e) An average annual net profit after tax during the last 3 years of more than ₹5,000 crore
- (f) Significant global presence or international operations.

7.1.2 Delegation of powers to Maharatna CPSEs

:- The Maharatna CPSEs in addition to having Navratna powers have been delegated additional powers in the area of investment in joint ventures/subsidiaries and human resources development. The Maharatna CPSEs can invest ₹ 5,000 crore in one project (₹ 1,000 crore for Navratna CPSEs) and

create below Board level posts upto E-9 level (E-6 for Navratna CPSEs).

7.1.3 Maharatna CPSEs :- The Government has granted Maharatna status to 7 CPSEs namely, (i) Bharat Heavy Electricals Limited, (ii) Coal India Limited, (iii) GAIL (India) Limited, (iv) Indian Oil Corporation Limited, (v) NTPC Limited, (vi) Oil & Natural Gas Corporation Limited and (vii) Steel Authority of India Limited.

7.1.4 During the year 2015-16, the Inter Ministerial Committee reviewed the performance of four Maharatna CPSEs, viz. Indian Oil Corporation Limited, GAIL (India) Limited, NTPC Limited and Oil & Natural Gas Corporation Limited.

7.2 Navratna scheme

The Government introduced the Navratna scheme in July, 1997 to identify and delegate enhanced powers to CPSEs having comparative advantage and the potential to become global players.

7.2.1 As per the criteria laid down by the Government, Miniratna Category — 1 and Schedule 'A' CPSEs, which have obtained 'excellent' or 'very good' rating under the Memorandum of Understanding system in three of the last five years, and have a composite score of 60 or above in six selected performance parameters are eligible to be considered for grant of Navratna status.

7.2.2 Delegation of Powers to Navratna CPSEs

The powers delegated to the Boards of Navratna CPSEs are as under: -

(i) **Capital Expenditure :-** The Navratna CPSEs have the powers to incur capital expenditure on purchase of new items or for replacement, without any monetary ceiling.

(ii) **Technology Joint Ventures and Strategic Alliances :-** The Navratna CPSEs have the

powers to enter into technology joint ventures or strategic alliances and obtain, by purchase or other arrangements, technology and know-how.

(iii) **Organization Restructuring:-** The Navratna CPSEs have the powers to effect organizational restructuring including establishment of profit centers, opening of offices in India and abroad, creating new activity centers, etc.

(iv) **Human Resources Management:-** The Navratna CPSEs have been empowered to create and wind up all posts up to E-6 level and make all appointments up to this level. The Boards of these CPSEs have further been empowered to effect internal transfers and re-designation of posts. The Board of Directors of Navratna CPSEs have the power to further delegate the powers relating to Human Resource Management (appointments, transfer, posting, etc.) of below Board level executives to sub-committees of the Board or to executives of the CPSE, as may be decided by the Board of the CPSE.

(v) **Resource Mobilization:** - These CPSEs have been empowered to raise debt from the domestic capital markets and for borrowings from international market, subject to condition that approval of RBI/Department of Economic Affairs, as may be required, should be obtained through the administrative Ministry.

(vi) **Joint ventures and Subsidiaries :-** The Navratna CPSEs have been delegated powers to establish financial joint ventures and wholly owned subsidiaries in India or abroad with the stipulation that the equity investment of the CPSE should be limited to the following: -

- a. ₹ 1000 crore in any one project,
- b. 15% of the net worth of the CPSE in one project,
- c. 30% of the net worth of the CPSE in all joint ventures/ subsidiaries put together.

(vii) **Mergers and acquisitions:-** The Navratna CPSEs have been delegated powers for mergers and acquisitions subject to the conditions that (i) it should be as per the growth plan and in the core area

of functioning of the CPSE, (ii) conditions/limits would be as in the case of establishing joint ventures/ subsidiaries, and (iii) the Cabinet Committee on Economic Affairs would be kept informed in case of investments abroad. Further, the powers relating to Mergers and Acquisitions are to be exercised in such a manner that it should not lead to any change in the public sector character of the concerned CPSEs.

(viii) **Creation/Disinvestment in subsidiaries:-** The Navratna CPSEs have powers to transfer assets, float fresh equity and divest shareholding in subsidiaries subject to the condition that the delegation will be in respect of subsidiaries set up by the holding company under the powers delegated to the Navratna CPSEs and further to the proviso that the public sector character of the concerned CPSE (including subsidiary) would not be changed without prior approval of the Government and such Navratna CPSEs will be required to seek Government approval before exiting from their subsidiaries.

(ix) **Tours abroad of functional Directors:** - The Chief Executives of Navratna CPSEs have been delegated powers to approve business tours abroad of functional directors up to 5 days' duration (other than study tours, seminars, etc.) in emergency under intimation to the Secretary of the administrative Ministry.

The above mentioned delegation of powers is subject to the following conditions and guidelines:-

- a) The proposals must be presented to the Board of Directors in writing and reasonably well in advance, with an analysis of relevant factors and quantification of the anticipated results and benefits. Risk factors if any, must be clearly brought out.
- b) The Government Directors, the Financial Directors and the concerned Functional Director(s) must be present when major decisions are taken, especially when they pertain to investments, expenditure or organizational/ capital restructuring.
- c) The decisions on such proposals should, preferably, be unanimous.

- d) In the event of any decision on important matters not being unanimous, a majority decision may be taken, but at least two thirds of the Directors should be present, including those mentioned in (b) above, when such a decision is taken. The objections, dissents, the reasons for over-ruling them and those for taking the decision should be recorded in writing and minuted.
- e) No financial support or contingent liability on the part of the Government should be involved.
- f) These CPSEs will establish transparent and effective systems of internal monitoring, including the establishment of an Audit Committee of the Board with membership of non-official Directors.
- g) All the proposals, where they pertain to capital expenditure, investment or other matters involving substantial financial or managerial commitments or where they would have a long term impact on the structure and functioning of the CPSE, should be prepared by or with the assistance of professionals and experts and should be appraised, in suitable cases, by financial institutions or reputed professional organizations with expertise in the areas. The financial appraisal should also preferably be backed by an involvement of the appraising institutions through loans or equity participation.
- h) The exercise of authority to enter into technology joint ventures and strategic alliances shall be in accordance with the Government guidelines as may be issued from time to time.
- i) The Boards of these CPSEs should be restructured by inducting at least four non-official Directors as the first step before the exercise of the enhanced delegation of authority.
- j) These public sector enterprises shall not depend upon budgetary support or Government guarantees. The resources for implementing

their programmes should come from their internal or through other sources, including the capital markets. However, wherever Government guarantee is required under the standard stipulations of external donor agencies, the same may be obtained from the Ministry of Finance through the administrative Ministry. Such Government guarantee shall not affect the Navratna status. Further, budgetary support to implement Government sponsored projects of national interest and Government sponsored Research & Development projects will not disqualify CPSEs from retaining their Navratna status. However, for such projects, investment decisions will be taken by the Government and not by the CPSE concerned

7.2.3 There were seventeen Navratna CPSEs as on 31.3.2016, viz. (i) Container Corporation of India Limited, (ii) Bharat Electronics Limited, (iii) Bharat Petroleum Corporation Limited, (iv) Engineers India Limited, (v) Hindustan Aeronautics Limited, (vi) Hindustan Petroleum Corporation Limited, (vii) Mahanagar Telephone Nigam Limited, (viii) National Aluminium Company Limited, (ix) National Buildings Construction Corporation Limited, (x) Neyveli Lignite Corporation Limited, (xi) NMDC Limited, (xii) Oil India Limited, (xiii) Power Finance Corporation Limited, (xiv) Power Grid Corporation of India Limited, (xv) Rashtriya Ispat Nigam Limited, (xvi) Rural Electrification Corporation Limited and (xvii) Shipping Corporation of India Limited

7.2.4 During the year 2015-16, the Inter-Ministerial Committee reviewed the performance of eight Navratna CPSEs i.e. (i) Power Finance Corporation Limited, (ii) Power Grid Corporation of India Limited, (iii) Neyveli Lignite Corporation Limited, (iv) NMDC Limited, (v) Oil India Limited, (vi) Hindustan Aeronautics Limited, (vii) Hindustan Petroleum Corporation Limited, and (viii) Bharat Electronics Limited.

7.3 Miniratna scheme

In October 1997, the Government, in order to make

promising profit making CPSEs more efficient and competitive, decided to grant enhanced autonomy and delegation of financial powers subject to certain eligibility conditions and guidelines to make them efficient and competitive. These companies, called Miniratnas, are in two categories, namely, Category-I and Category-II.

7.3.1 Eligibility Criteria for Miniratna Status

The eligibility conditions and criteria are:

- (i) **Category-I CPSEs** should have made profit in the last three years continuously, the pre-tax profit should have been ₹ 30 crores or more in at least one of the three years and should have a positive net worth.
- (ii) **Category-II CPSEs** should have made profit for the last three years continuously and should have a positive net worth.
- (iii) These CPSEs shall be eligible for enhanced delegated powers provided they have not defaulted in the repayment of loans/interest on any loans due to the Government.
- (iv) These public sector enterprises shall not depend upon budgetary support or Government guarantees.
- (v) The Boards of these CPSEs should be restructured by inducting at least three non-official Directors as the first step before the exercise of enhanced delegation of authority.
- (vi) The administrative Ministry concerned shall decide whether a Public Sector Enterprise fulfilled the requirements of a Category-I/Category-II company before the exercise of enhanced powers.

7.3.2. Delegation of Powers to Miniratna CPSEs:

The delegation of decision-making authority available at present to the Boards of these Miniratna CPSEs is as follows:

(i) Capital Expenditure

- (a) For CPSEs in category I: The power to incur capital expenditure on new projects, modernization, purchase of equipment, etc., without Government approval upto ₹ 500 crore or equal to net worth, whichever is less.
- (b) For CPSEs in category II: The power to incur capital expenditure on new projects, modernization, purchase of equipment, etc., without Government approval upto ₹ 250 crore or equal to 50% of the Net worth, whichever is less.

(ii) Joint ventures and subsidiaries:

- (a) Category I CPSEs: To establish joint ventures and subsidiaries in India with the stipulation that the equity investment of the CPSE in any one project should be limited to 15% of the networth of the CPSE or ₹ 500 crore, whichever is less. The overall ceiling on such investment in all projects put together is 30% of the networth of the CPSE.
- (b) Category II CPSEs: To establish joint ventures and subsidiaries in India with the stipulation that the equity investment of the CPSE in any one project should be 15% of the networth of the CPSE or ₹ 250 crore, whichever is less. The overall ceiling on such investment in all projects put together is 30% of the networth of the CPSE.

(iii) Mergers and acquisitions :- The Board of Directors of these CPSEs have the powers for mergers and acquisitions, subject to the conditions that (a) it should be as per the growth plan and in the core area of functioning of the CPSE, (b) conditions/limits would be as in the case of establishing joint ventures/subsidiaries, and (c) the Cabinet Committee on Economic Affairs would be kept informed in case of investments abroad. Further, the powers relating to Mergers and Acquisitions are to be exercised in such a manner that it should not lead to any change in the public sector character of the concerned CPSEs.

(iv) **Scheme for HRD** :- To structure and implement schemes relating to personnel and human resource management, training, voluntary or compulsory retirement schemes, etc. The Board of Directors of these CPSEs have the power to further delegate the powers relating to Human Resource Management (appointments, transfer, posting, etc.) of below Board level executives to sub-committees of the Board or to executives of the CPSE, as may be decided by the Board of the CPSE.

(v) **Tour abroad of functional Directors** :- The Chief Executive of these CPSEs have the power to approve business tours abroad of functional directors up to 5 days' duration (other than study tours, seminars, etc.) in emergency, under intimation to the Secretary of the administrative Ministry.

(vi) **Technology Joint Ventures and Strategic Alliances**:- To enter into technology joint ventures, strategic alliances and to obtain technology and know-how by purchase or other arrangements, subject to Government guidelines as may be issued from time to time.

(vii) **Creation/Disinvestment in subsidiaries** :- To transfer assets, float fresh equity and divest

shareholding in subsidiaries subject to the condition that the delegation will be in respect of subsidiaries set up by the holding company under the powers delegated to the Miniratna CPSEs and further to the proviso that the public sector character of the concerned CPSE (including subsidiary) would not be changed without prior approval of the Government, and such Miniratna CPSEs will be required to seek Government approval before exiting from their subsidiaries.

7.3 The above delegation of powers is subject to similar conditions as are applicable to Navratna CPSEs

7.4 Presently there are 73 Miniratna CPSEs (58 Category-I and 15 Category-II). The list of these 73 Miniratna CPSEs is enclosed at **Annex 7.1**

7.5 DPE organized a one day Conference on "Strengthening Joint Ventures of PSUs" in collaboration with Indian Institute of Public Administration on 22nd March, 2016 in New Delhi. More than 70 participants from various CPSEs/ Ministries and their joint ventures participated in this Conference and deliberated on various issues involved in setting up and management of JVs.

List of Miniratna CPSEs
Miniratna Category - I CPSEs

- | | |
|---|--|
| 1. Airports Authority of India | 39. National Seeds Corporation |
| 2. Antrix Corporation Limited | 40. NHPC Limited |
| 3. Balmer Lawrie & Co. Limited | 41. Northern Coalfields Limited |
| 4. Bharat Coking Coal Limited | 42. North Eastern Electric Power Corporation Limited |
| 5. Bharat Dynamics Limited | 43. Numaligarh Refinery Limited |
| 6. BEML Limited | 44. ONGC Videsh Limited |
| 7. Bharat Sanchar Nigam Limited | 45. Pawan Hans Helicopters Limited |
| 8. Bridge & Roof Company (India) Limited | 46. Projects & Development India Limited |
| 9. Central Warehousing Corporation | 47. Railtel Corporation of India Limited |
| 10. Central Coalfields Limited | 48. Rail Vikas Nigam Limited |
| 11. Chennai Petroleum Corporation Limited | 49. Rashtriya Chemicals & Fertilizers Limited |
| 12. Cochin Shipyard Limited | 50. RITES Limited |
| 13. Dredging Corporation of India Limited | 51. SJVN Limited |
| 14. Kamarajar Port Limited | 52. Security Printing and Minting Corporation of India Limited |
| 15. Garden Reach Shipbuilders & Engineers Limited | 53. South Eastern Coalfields Limited |
| 16. Goa Shipyard Limited | 54. State Trading Corporation of India Limited |
| 17. Hindustan Copper Limited | 55. Telecommunications Consultants India Limited |
| 18. HLL Lifecare Limited | 56. THDC India Limited |
| 19. Hindustan Newsprint Limited | 57. Western Coalfields Limited |
| 20. Hindustan Paper Corporation Limited | 58. WAPCOS Limited |
| 21. Housing & Urban Development Corporation Limited | |
| 22. HSCC (India) Limited | <u>Miniratna Category-II CPSEs</u> |
| 23. India Tourism Development Corporation Limited | 59. Bharat Pumps & Compressors Limited |
| 24. Indian Rare Earths Limited | 60. Broadcast Engineering Consultants (I) Limited |
| 25. Indian Railway Catering & Tourism Corporation Limited | 61. Central Mine Planning & Design Institute Limited |
| 26. Indian Renewable Energy Development Agency Limited | 62. Central Railside Warehouse Company Limited |
| 27. India Trade Promotion Organization | 63. Ed.CIL (India) Limited |
| 28. IRCON International Limited | 64. Engineering Projects (India) Limited |
| 29. KIOCL Limited | 65. FCI Aravali Gypsum & Minerals India Limited |
| 30. Mazagaon Dock Limited | 66. Ferro Scrap Nigam Limited |
| 31. Mahanadi Coalfields Limited | 67. HMT (International) Limited |
| 32. Manganese Ore (India) Limited | 68. Indian Medicines & Pharmaceuticals Corporation Limited |
| 33. Mangalore Refinery & Petrochemical Limited | 69. MECON Limited |
| 34. Mishra Dhatu Nigam Limited | 70. Mineral Exploration Corporation Limited |
| 35. MMTCL Limited | 71. National Film Development Corporation Limited |
| 36. MSTC Limited | 72. PEC Limited |
| 37. National Fertilizers Limited | 73. Rajasthan Electronics & Instruments Limited |
| 38. National Small Industries Corporation Limited | |

Chapter 8

MoU System in CPSEs

8.1 MoU is a mutually negotiated agreement between the management of the CPSEs and the Government of India/Holding Company. Under this agreement, the CPSEs undertakes to achieve the targets set in the agreement at the beginning of the year and submit themselves to an evaluation on the basis of its achievements at the end of the year.

8.2. The Government of India introduced the system of MoU in the year 1986, based on recommendations given by Arjun Sen Gupta

Committee report (1984). The report recommended that the CPSEs enter into agreements with their Administrative Ministries for five years, while progress would be reviewed annually. The MoU system was given broader thrust by the Government after the announcement of the New Industrial Policy of 1991. In view of the above policy statement, the scope of MoU system has been extended to cover nearly all CPSEs over a period of time and this is given in Table 8.1

Table 8.1
Statement showing Year-wise MoUs signed

Year	No. of MoUs signed	Year	No. of MoUs signed
1987-88	4	2008-09	147
1991-92	72	2009-10	197
2001-02	104	2010-11	198
2002-03	100	2011-12	197
2003-04	96	2012-13	196
2004-05	99	2013-14	197
2005-06	102	2014-15	215
2006-07	113	2015-16	215
2007-08	144	2016-17	234

8.3 Institutional Arrangements for Implementation of MoU Policy

8.3.1 High Powered Committee (HPC) on MoU: The High Power Committee (HPC) on MoU is a Committee of Secretaries (COS) set up by the Government as the Apex Committee to assess the performance of MoU signing CPSEs with reference to the commitments made by them in the MoU, HPC is headed by the Cabinet Secretary and comprises of Finance Secretary, Secretary (Expenditure), Secretary (Planning Commission), Secretary (Statistics & Programme Implementation), Chairman, Public Enterprises Selection Board; Chief Economic Advisor, Department of Economic Affairs; Chairman, Tariff Commission; and

Secretary (Performance Management). The HPC on MoU gives guidance and directions with respect to the determination of the principles and parameters for evaluating the performance of CPSEs.

8.3.2 Inter-Ministerial Committee (IMC) on MoU: The Inter-Ministerial Committee on MoU consists of Secretary, DPE as Chairman, Secretary of the concerned administrative Ministry/ Department or his representative not below the rank of Joint Secretary (Member), Secretary, Ministry of Statistics and Programme Implementation or his representative not below the rank of Joint Secretary (Member), Additional Secretary, NITI Aayog or his representative not below the rank of Joint Secretary (Member). Secretary, DPE may co-opt any officer

who is a finance expert in case the need is felt. Adviser (MoU), DPE provides secretarial support to the Committee.

The role of IMC is to approve the MoU targets and recommend its evaluated score and rating to the High Powered Committee (HPC).

8.3.3 Pre-negotiation Committee (PNC): The role of the Pre-negotiation Committee (earlier known as Standing Committee on MoU) would be to assist the IMC in determining the most appropriate and relevant parameters for measuring improvement in performance and for fixing targets. Meetings of the Pre-negotiation Committee are held in each case before the meetings of IMC to look at the trends, discuss, negotiate and recommend MoU parameters

and targets. The composition of Pre-negotiation comprises of Adviser (MoU), DPE, concerned Joint Secretary/Adviser, Administrative Ministry, concerned Adviser (Niti Aayog), Director (MoU) and representative from Ministry of Statistics and Programme Implementation (MoSPI).

8.4 MoU Guidelines: DPE has finalized the MoU guidelines for 2017-18 and onwards. The salient features are given in Annexure- 8.1

8.5 MoU Evaluation

8.5.1 Evaluation of MoU of the CPSE is done after the end of the year on the basis of actual achievements vis-à-vis the MoU targets. CPSEs (Holding as well as Subsidiaries) is given in Table 8.2.

Table 8.2
Statement showing Year-wise MoUs Signed

Item	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
Total MoUs Signed	198	197	196	197	214	215
Evaluation Report Submitted	161	175	189	187	200	192

8.5.2 A comparison of the MoU ratings secured by the CPSEs in the last 10 years is given in Table 8.3

Table 8.3
Statement showing year-wise Ratings of CPSEs

Rating	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16 *
Excellent	46	55	47	73	67	76	75	76	73	57
V. Good	37	34	34	31	44	39	39	38	53	58
Good	13	15	25	20	24	33	37	36	41	28
Fair	06	08	17	20	24	25	36	29	26	22
Poor	00	00	01	01	02	02	02	08	7	26
Total	102	112	124	145	161	175	189	187	200	191

*Provisional

Salient features of MoU Guidelines for the Year 2017-18 and onwards

CPSEs work in different sectors under varying conditions. To accommodate the heterogeneous nature and working conditions of CPSEs, the following guidelines have been laid out:

(a) There would be uniform parameters for measuring financial performances such as revenue from operations, operating profit and return on investment (e.g. ratio of PAT/Net-worth). This would be applicable to all CPSEs, except CPSEs which are dependent on government grant or performing functions of distribution of grant etc. e.g. Biotechnology Industry Research Assistance Council (BIRAC). Hence, 3 financial parameters have been prescribed for all CPSEs with total weightage of 50% except for CPSEs like BIRAC. The mandatory parameters are at Annex-II (Part-A).

(b) For the remaining 50% weightage, a menu of parameters has been suggested for selection

depending on the sector in which the CPSE is operating. Separate format has been given for Finance Sector at Annex-II (Part-C) and another format for the remaining operating CPSEs at Annex-II (Part-B). The parameters most appropriate and relevant for measuring performance shall be suggested by the Pre-Negotiation Committee (PNC).

(c) For CPSEs under closure/under construction/under reconstruction, parameters have not been prescribed leaving it to the PNC to suggest the most appropriate parameters and targets for IMC to take decisions. For such CPSEs, the emphasis should be to suggest parameters and fix targets for starting commercial operations as early as possible. For CPSEs under closure, the targets would be for ensuring time bound closure. Format for such CPSEs is at Annex-IV.

Mandatory parameters PART A

(Applicable to all CPSEs except CPSEs Distributing Government grant)

Sl. No.	Financial Performance Criteria	Unit	Marks	Current Year (Estimate)	Best in 5 years	MoU Target for the year					% Improvement*
						Excellent 100%	V.G. 80%	Good 60%	Fair 40%	Poor 20%	
1	Turnover Revenue from Operations	₹ crore	10								
2	Operating Profit/Loss										
	CPSEs with operating profit (Profit/ Surplus before Tax excluding other Income, Extraordinary and Exceptional Items):- Operating profit/ surplus as a per centage of Revenue from operations (net).	%	20								
3	CPSEs with operating Loss (Loss/ Deficit not taking into account other Incomes, Extraordinary and Exceptional Items):- Reduction in operating Loss/ Deficit (s) over previous year.	%									
	Return on investment: Profit Earning CPSEs with no accumulated losses: PAT or Surplus / Average Net Worth	%									
	Loss making CPSEs or CPSEs having Accumulated losses: Reduction in Total Expenses as a per centage of Total Income as compared to previous year.	%	20								
	Total (A)		50								

*Improvement would be worked out on very Good Target for MoU year over Current year expected actuals.

Other Parameters (Part-B)

Applicable to all Operating CPSEs except CPSEs in Finance Sector

Sl. No.	Performance Criteria	Unit	Marks	Current year (Estimate)	Best in 5 years	MoU Target for the year				%Improvement*
						Excellent 100%	V.G. 80%	Good 60%	Fair 40%	
1	Capacity Utilisation/ Production/ Generation/ Transmission, etc.		0-10							
2	New orders Received during the year	₹ crore	0-10							
3	Exports as a per centage of Revenue from operations	%	0-10							
4	Development or Revenue from new products or product with new features		0-10							
5	Any Production Efficiency parameter		0-10							
6	Completion of milestone of clients orders/ agreements without time overrun	%	0-10							
7	R&D, Innovation, Technology up-gradation parameter		0-10							
8	Increase in Market share	%	0-10							
9	CAPEX (₹ Crore)		0-10							
10	Percentages of value of CAPEX contracts/projects running/ completed during the year without time/cost overrun to total value of CAPEX contracts running/ completed during the year	%	0-10							
11	Inventory of finished goods and work in progress to Revenue from operations (Net)	%	0-10							
12	Reduction in Inventory of more than one year old to Revenue from operations (Net)	%	0-10							
13	Trade receivables (Net) as number of days of Revenue from Operations (gross)	Days	0-10							
14	Reduction in claims against the Company not acknowledged as debt	%	0-10							
15	Return (share of profit/loss) on Investment in JV	%	0-10							
16	Milestones with respect to subsidiary CPSEs not signing MoUs separately		0-10							
17	Parameters pertaining to milestones of Revival		0-10							
18	Any other sector specific result-oriented measurable parameters		0-10							
	Total (B)		50							

*Improvement would be worked out on very Good Target for MoU year over Current year expected actuals.

Other Parameters

Annex-II (Part-C)
Applicable to all CPSEs Operating in Finance Sector

Sl. No.	Performance Criteria	Unit	Marks	Current year (Estimate)	Best in 5 years	MoU Target for the year					% Improvement*
						Excellent 100%	V.G. 80%	Good 60%	Fair 40%	Poor 20%	
1	Loans disbursed/ Total Funds Available	%	10-20								
2	Loans disbursed to Micro Finance Beneficiaries as a % Total Disbursement	%	0-10								
3	Overdue loans/ Total loans (Net)	%	10								
4	NPA/ Total loans (Net)	%	10								
5	Cost of raising funds through bonds as compared to similarly rated CPSEs/ entities		0-10								
6	Contingent liabilities: Reduction in claims against the Company not acknowledged as debt	%	0-5								
7	Return on Investment (share of profit/loss) in Joint Ventures- CPSEs having Joint Ventures	%	0-5								
8	Milestones with respect to subsidiary CPSEs not signing MoUs separately		0-5								
9	Any other sector specific result-oriented measurable parameters		0-10								
10	Total		50								

*Improvement would be worked out on very Good Target for MoU year over Current year expected actuals.

Annex IV

Applicable to CPSEs under closure, under construction/re-construction, CPSEs dependent on Government support for meeting the gap between income and expenditure

Sl. No.	Financial Criteria and Performance Criteria	Unit	Marks	Current year (Estimated)	Best in 5 years	MoU Target for the year				
						Excellent 100%	V.G. 80%	Good 60%	Fair 40%	Poor 20%
1	Most appropriate parameters and targets would be suggested by PNC for decision by the IMC. For such CPSEs, the emphasis should be to suggest parameters and fix targets for starting commercial operations as early as possible. For CPSEs under closure, the targets would be for ensuring time bound closure.									
2										
3										
4										
	Total		100							

Chapter 9

Research & Development

A competitive and challenging business environment demands continuous up-gradation and development of products, processes and services for sustained growth. Research and Development (R&D) contribute substantially towards achieving these goals. In the face of rapid technological advancements, various products and services have a very short product life cycle. CPSEs in this context, therefore, must develop themselves into “Learning Organizations” such that the spirit of creativity, innovation and development is sustained.

R&D, helps phase out products & services through introduction of new designs and technologies and improvement in quality. The other important aspects of R&D relate to execution of development projects which among others involve end user involvement in commercialization of indigenously developed product / technology, suitable empowerment / incentivisation / funding specially for capital intensive R&D in infrastructure like power sector, strengthening R&D infrastructure including prototype development, engaging experts at considerations other than price in knowledge/ competency gap areas etc.

9. Research & Development Activities in CPSEs

In India, CPSEs, especially those in the defence, energy, mining and steel sectors, have long played a leading role in R&D. In 2011, Department of Public Enterprises (DPE) has issued guidelines on R&D prescribing therein that Maharatna and Navratna companies should invest at least 1 per cent of their profits after tax (PAT) in R&D and that Miniratnas and others should similarly earmark 0.5 per cent of their PAT for R&D operations.

While a number of CPSEs have in-house R&D facilities, the others have gone for sponsored research through collaboration with Universities and reputed R&D institutions. Sponsored research is cost effective proposition for CPSEs which cannot afford to incur expenditure on in-house research. There is

also a greater awareness of Intellectual Property Rights (IPR) and ‘patenting’ of new knowledge gained and discoveries made in the process of R&D. The National Research Development Corporation (NRDC), a CPSE, is actively engaged in promoting, developing and commercializing technologies, knowhow, patent and processes generated through national R&D institutions, thus helping individual enterprises and institutions acquire IPR/ Patents for commercial use. Technological collaboration with leading companies of the world has been another approach adopted by CPSEs for upgrading their technological know-how.

The different R&D activities being carried out by various CPSEs in the different groups of manufacturing & services sectors are explained briefly in the following paragraphs, based on the information provided by different CPSEs.

9.1 Coal

9.1.1 Coal India Limited (CIL)

The Government of India through its Coal Science & Technology (S&T) Plan and Coal India Limited (CIL) through its R&D Board have been promoting Research and Development (R&D) activities in Coal & Lignite Sectors for improvement in production, productivity, safety, quality, coal beneficiation and utilization, protection of environment and ecology and allied fields. Substantial funds are being earmarked annually by the Ministry of Coal (MoC) and CIL R&D Board to carry out research work on the above subjects in above sectors.

Central Mine Planning and Design Institute Limited (CMPDI) acts as the nodal agency for co-ordination of research activities in the coal sector, which involves identification of thrust areas for research activities, identification of agencies which can take up the research work in the identified fields, scrutiny and processing the proposals for Government approval, preparation of budget estimates, disbursement of

fund, monitoring the progress of implementation of the projects, etc.

During the year 2015-16, six research projects were completed and twenty-eight projects were under implementation. These projects are related to:

- (i) Construction of quick setting stopping in case of fire in underground (UG) mines using expansion foam agent.
- (ii) Demonstration of Coal Dry Beneficiation System using Radiometric Technique
- (iii) Development of tele-robotics and remote operation technology for underground coal mines
- (iv) Development of Indigenous catalyst through pilot scale studies of Coal-to-Liquid (CTL) conversion technology.
- (v) Techno-economic Evaluation and performance behavior of Self Advancing (mobile) Goaf Edge Supports (SAGES).
- (vi) Design, develop and demonstrate a Micro-Grid system for optimization and control of multiple source of power supply.

9.1.2 NLC India Limited

Centre for Applied Research & Development (CARD) is the in-house R&D Centre of NLC India Ltd. This R&D Centre has been recognized by the Department of Science and Technology since 1975. CARD obtained accreditation from the National Accreditation Board for testing and calibration laboratory (NABL) in the year 2013 for Chemical and Mechanical testing. CARD has a well-established analytical facility and is rendering analytical services towards quality control of various products/materials used in Mines, Power Stations and other service units as well as outside agencies. A revenue of ₹ 6.26 crore was earned by CARD in the year 2015-16. CARD is carrying out various R&D works on lignite utilization, diversification, product development, by-product utilization, solid

waste utilization, wasteland reclamation etc.

9.2. Electricity

9.2.1 NTPC Limited

The Company as the leading power utility of the country has allocated 1% of PAT for R&D activities. It has focused its research efforts to address the major concerns of the sector as well as the futuristic technology requirements of the sector. In this effort, NTPC has established NTPC Energy Technology Research Alliance (NETRA) as state-of-the-art centre for research, technology development and scientific services in the domain of electric power to enable seamless work flow right from concept to commissioning. The focus areas of NETRA are — Efficiency Improvement & Cost Reduction; New & Renewable Energy; Climate Change & Environmental protection which includes water conservation, Ash utilization & Waste Management.

Research Advisory Council (RAC) of NETRA comprising of eminent scientists and experts from India and abroad is in place to steer research direction.

Scientific Advisory Council (SAC) provides directions for undertaking specific applied research projects aimed to develop techniques in power plant for efficient, reliable and environment friendly operation with emphasis on reducing cost of generation.

NETRA also provides Advanced Scientific Services to all its stations and many other utilities in the area of oil/water chemistry, environment, electrical, Rotor dynamics etc. for efficient performances. NETRA laboratories are accredited as per ISO 17025 and its NDT laboratory also been recognized as well known “Remnant Life Assessment Organization” under the Boiler Board Regulations, 1950. NETRA activities have helped in increasing the availability, reliability and efficiency of the stations. Techniques developed are implemented at stations, which are enhancing the life of boiler & turbine components. Environmental appraisals, rejuvenation treatments of resins, chemical cleaning/

treatment and corrosion control measures supported the stations in improving the efficiency, availability and life of boilers, various heat exchangers/cooling towers etc. CFD based modifications have resulted in power saving and have been helpful in analyzing and resolving vibration problems in CW pumps. Studies on CO₂ fixation/utilization, solar thermal, bio-fuels will result into development of technologies for reduction in the impact on climate change and technologies for affordable renewable energy sources.

Specific areas in which NETRA activities have been carried out during 2015 – 16 are:

a. Completion of MOU Projects:

- In house design engineering and award of flue gas waste heat based desalination plant at NTPC-Simhadri,
- Award and commencement of setting up Solar Thermal and PV Labs in collaboration with German Research Institutions,
- Development of modified amine absorption based process to separate CO₂ from flue gas: Design & setting up of bench scale test facility.

b. Developmental Projects (ongoing):

- Indigenous Solar Thermal Projects,
- Flue gas based AC system and desalination plants,
- Development of Geothermal power Plant,
- Indigenous floater development,
- Solar Thermal Hybrid Plants,
- Setting up Solar Thermal and PV Labs,
- Water conservation,
- Ash Utilization,
- Carbon capture

c. Scientific Support to NTPC Stations (Continuous basis):

- Lifeenhancement&availabilityimprovement of components

- Enhancing reliability through robotic Inspections.
- Performance enhancement through CFD Analysis
- Metallurgical Failure analysis of Boiler pressure parts components etc.
- Corrosion analysis, monitoring, control of power plants.
- Specialized analytical support for characterizing the turbine deposits, corrosion products, heavy metals in effluents.
- Condition Monitoring of transformers, Super heater / re-heater tubes, rotating machines

d. Scientific Support to Other Utilities - Provided to NSPCL, PSPCL-Bathinda, NHPC, HPGCL, APGCL, NTPC Joint Ventures, Tata Power, Ukai thermal power station, Adani Power, etc.

9.2.2 NHPC Limited

Most of NHPC projects are located in Himalayan region where rivers carry heavy silt loads which damage the underwater turbine components. Research and developmental activities are being carried out for prolongation of the operating life of underwater components. Measures are being undertaken for installing arrangements for monitoring of cavitation throughout our power stations and Teesta-V shall be the first Power Station to have the same. This system shall be helpful in timely maintenance of the machines and shall prolong their life span.

In order to reduce down time of turbines during maintenance provision of installation of bolted runner is being studied. For optimization of the performance of Power Stations, Energy Audit of all NHPC Power Stations are being conducted regularly and energy saving measures are being implemented in a phased manner.

Remote sensing based sedimentation studies for Teesta-IV Hydroelectric project of NHPC Ltd: The 4 year duration study starting from November 2016 will undertake the basic resource mapping of

the catchment area like soils, land use/cover and geological features including landslides. These inputs will be used in a soil erosion model to predict the sediment outcome from the catchment area. Besides, the temporal satellite data will be used to monitor the dam site to understand the sedimentation and will be compared with historic records.

Research work of “Development of High Performance Concrete using Polymer and Fiber” was completed within scheduled time. This work was conducted with the help of National Council of Cement and Building Material (NCCBM) Faridabad. Erosion of concrete in the glacis of spillway is a very complex phenomenon, which has various dimensions like cavitation, abrasion and impact. The test result indicate that high strength hybrid polypropylene fiber reinforced concrete may give better performance in such conditions. Integrated 1-D and 3-D Mathematical model studies for reservoir sedimentation of Teesta-IV HE project, Sikkim was completed within scheduled time. This research work was conducted with the help of Central Water and Power Research Station (CWPRS) Pune to estimate the sediment deposit and flow velocity pattern in the reservoir by maintaining reservoir level at Full Reservoir Level and Rule curve for Reservoir operation.

9.2.3 POWERGRID

In pursuit of technological excellence in power transmission technology, POWERGRID always encourages and adopts research & development activities. Notable initiatives taken by the company during financial year 2015-16 include efforts taken for ‘**Fault Current Limiter**’ and ‘**Battery Energy Storage system**’.

- POWERGRID has initiated the implementation of Series Reactors for fault current limitation in Northern Region after detailed analysis of the system requirements and technology options available for fault current limiting.
- POWERGRID has also taken up the pilot project on Battery Energy Storage Systems comprising different technologies for installation in 22kV

feeder of Puducherry Electricity Department.

- During 2015-16, POWERGRID has also achieved significant achievements on R&D front at the prestigious 1200kV National Test Station project at Bina Madhya Pradesh and the Process Bus in Substation Automation System.
- POWERGRID has successfully test charged Phase-II of the prestigious project of ‘**1200kV National Test Station**’ in the March, 2016. For this project of national importance, POWERGRID has collaborated with Indian equipment manufacturers for development of 1200kV equipment, which has been installed presently at the test base in Bina for long term field operation and performance monitoring. Synchronization with the grid and loading of the 1200kV equipment was also carried in May, 2016.
- The pilot initiative of POWERGRID on IEC 61850 protocol based ‘**Process-bus Architecture**’, which was successfully commissioned at the 400kV Bhiwadi Sub-station, has been a significant step taken in the direction to completely digitized substations. In addition, POWERGRID has also taken up a pilot project to optimize the control and protection cable used in transformer and has been successfully completed at 400/220 kV Neemrana substation, resulting in significant reduction in the number of cores between transformer marshalling box and protection panel. Gaining experience from these projects, POWERGRID is planning for taking up another pilot project for retrofitting ageing substations having conventional protection and control schemes with advanced automation systems.
- POWERGRID has designed new type of **765kV double circuit narrow base tower** for power line crossing.
- **POWERGRID Advanced Research and Technology Centre:** POWERGRID is establishing world class laboratories and test facilities at Manesar, Gurgaon for carrying out

research and development in power transmission area. This R&D centre shall cater to the research needs of POWERGRID and of the Country to a large extent with state-of-the-art laboratories for power system analysis, advanced equipment diagnostics, smart grid, energy efficiency, control and automation, material science, engineering design etc.

9.2.4 Nuclear Power Corporation of India Limited (NPCIL)

NPCIL's Technology Development activities are grouped under four verticals of R&D Facilities, Remote Tooling, Indigenization and Construction Time Minimization. Directorate of Technology Development (DTD) team is tasked with responsibilities for design, analysis, development, engineering, procurement, construction, installation, commissioning, O&M, experimentation and equipment qualification related to these verticals.

These activities are aimed at achieving continual enhancement of nuclear & radiation safety, reliable operation and reduction in operational costs of Nuclear Power Plants, indigenization, construction time reduction and development of New Reactor Systems.

A gist of completed and ongoing activities of Directorate of Technology Development (DTD) under the above mentioned four verticals are as follows:

(I) R&D Facilities

NPCIL has a corporate R&D Centre at TMS, Tarapur which houses most of the facilities such as:-

- a) NPCIL Thermal hydraulic Test Facility (NTTF) & ITFT Project.
- b) 700MWe Fuelling Machine Test Facility (FMTF).
- c) Containment Filtered Venting System (CFVS).
- d) Iodine Scrubbing thru Containment Spray

System.

- e) Hydrogen Recombiner Test Facility (HRT).
- f) Reactivity Devices Test Facility (RDTF).
- g) 700MWe High pressure feeder coupling qualification.
- h) Primary Coolant Pump Test Facility (PCPTF).
- i) Environmental Qualification (EQ) activities.

(II) Indigenization:

Significant progress is achieved under this vertical which promotes localization and is in tune with GoI's initiative on "Make in India".

A. Forgings & raw materials:

Steam Generator (SG) Heavy Critical Nuclear Forgings: All seven forgings including Conical Shell, bottom and top Heads developed for 700 MWe Steam Generator at NPCIL JV at Hazira known as M/s. LTSSHF completed and delivered.

SG tube sheet: With successful Indigenization of this item indigenous capability to make full set of SG forgings will get established within India.

Bleed Condenser Forgings: These heavy forgings were successfully developed and delivered within the delivery schedule of 12 months.

End Shield Lattice tubes: indigenous developments of Lattice Tubes forging trials have taken place.

This above developments also means establishment of full capability for large size critical nuclear forgings for all PHW within the country. This is the first step towards significant localization of imported LWR components forgings including Reactor Pressure Vessel. Therefore this initial development effort requires to be consolidated through appropriate follow up measures.

Stainless Steel End Shield Tube sheet plates: Essential Technology development planning has been carried out with NPCIL JV.

B. Indigenous vendor base broadening:

Certain major equipment have single source which may pose a constraint in future. Thus alternate indigenous vendor development is taken up. Being high value and critical path items establishment of alternate sources will help de-risk and ensure availability of indigenous supply chain with competitive advantages to the upcoming projects

(III) Remote Tooling:

During the year several challenges were overcome and significant progress achieved on identified projects. All remote tooling related requirements of Operating stations were met in a timely manner. NPCIL Board sanction obtained to cover remote tooling including new channel inspection systems to cover the requirements for upcoming 3 to 5 years.

(IV) Construction Time Minimization:

Construction time minimization of NPPs has been identified as one of the major thrust areas for development efforts in NPCIL. In this context, piping erection has been given due consideration and has been identified as a major area for utilizing technological advancements in the field.

With a view to minimizing construction time major modularization is being pursued, Other ideas being pursued include auto welding, new approaches which can ease construction time as well as Critical equipment supply times.

9.2.5 Bhartiya Nabhikiya Vidyut Nigam Ltd. (BHAVINI)

R & D team is developing few technologically enhanced systems in a cost effective manner. BHAVINI is also working towards achieving product indigenization goal for various gears of PFBR. R&D activities carried out during the above period are elaborated below:

- Development of Fin assembly for Frozen seal valve used in sodium circuit.
- Development of Variable frequency drive for the

speed control of asynchronous induction motor.

- Development of Mineral Insulated cable for high temperature application.
- Development of Inflatable seal for rotatable plugs of nuclear reactor.

9.3 Crude Oil & Gas

9.3.1. Oil & Natural Gas Corporation (ONGC)

ONGC has institutionalized Research and Development in Exploration & Production (E&P) and related sectors. ONGC has established Eleven R&D institutions to undertake specific activities in key areas of Exploration, Drilling, Reservoir Management, Production Technology, Ocean Engineering and Health, Safety and Environment (HSE) Management. Besides, one institution i.e. ONGC Energy Center (OEC) is engaged in In-house and collaborative research in various energy options. Regional laboratories have also been established at various assets and basins of ONGC to support these institutes.

ONGC Institutes have received the renewal of recognition of In-house R&D unit by Department of Scientific and Industrial Research (DSIR) for a period of five years (valid till 31st March 2018) on 26.03.2013. This enables ONGC Institutes to continue claiming weighted deduction in Income Tax (200%) against the expenditure towards R&D activities. During 2015-16, ONGC undertook 3R & D projects out of which one project pertains to Exploration. Details of exploration project is given below:

Sediment dispersal pattern and high resolution biostratigraphy, enabling reconstruction of process response depositional model along the East coast of India (KDMIPE). The project enabled Standardization of bio-stratigraphic surfaces, facies characterization and reconstruction of process response depositional model along East Coast of India (Bengal-Mahanadi-Krishna Godavari-Cauvery-Andaman basins).

Other specific areas where R&D work was also carried out are:

- Basin architecture and Mesozoic sedimentation in Western Offshore basins with special emphasis on Kutch & Kerala-Konkan area
 - Understanding the role of faults in hydrocarbon distribution in GK-28 / GK-42 PML area with special emphasis on fault seal behavior.
 - Petroleum System Modeling in Cambay, Cauvery and Bengal basins
 - Depositional model of Sobhasan and Mandhali members in Sobhasan complex, North Cambay Basin through integrated laboratory studies
 - Analysis of gravity signature of Cambay Basin and adjoining area for assessing basalt and sub basalt sediments
 - Morphotectonic analysis of South Assam Shelf (SAS) for identification of prospective areas in Basement and Geomechanical and fracture modelling of Basement in South Assam Shelf (SAS)
 - Evaluation of timing of oil expulsion, based on oil asphaltene kinetics in KG Offshore
 - Gas Hydrate exploration in eastern offshore areas including the on-board geoscientific studies during NGHP Expedition-02
 - Influence of different fluid saturations in acoustic velocities/mechanical parameters in low contrast reservoirs of north of Gandhar and Jambusar area
 - Testing of Reverse Time migration application using Geovation S/W on data of Nandej-Nawagaon SIG-481,469 of WON basin.
 - Testing of 3D SRME (Water bottom multiple attenuation in marine seismic data) application using OMEGA S/W on test data set and establish the workflow.
 - Testing of 3D MPFI (Data regularization using MPFI technique) in OMEGA S/W on a data set of Sisodara-Kosamba area of WON basin and establish the workflow.
 - To establish Tomo facilitator workflow for velocity updation using PARADIGM S/W.
 - Feasibility study for thin reservoir characterization of Lynch pay in Lynch- Nandasan area in Cambay Basin.
 - Shale gas sweet spot identification in Jambusar area using seismic and well data (Pilot study).
 - Discrimination of siliciclastic from volcanoclastic in synrift sequence in GS-29, Godavari PML and KG-DWN-98/2, KG offshore area (Pilot study).
 - Shale Gas reservoir evaluation: Log based evaluation of Shale Gas prospectivity in all Basins of ONGC including designing optimum log suits and prescribing special lab studies, developing new technique for TOC (total organic carbon) based on well logs & geochemical data, and customizing it for specific Basin/Formation for quick & reliable shale gas evaluation in Indian Basins and continuously analyzing the data being acquired from wells drilled exclusively for shale gas.
 - Basement evaluation including fracture network in basements.
 - To decipher present day stress direction through borehole breakouts from new generation logs in basements of Cauvery Basin.
 - Geo-mechanical studies for fracture susceptibility of Shale Gas prospective layers in Cauvery and Cambay Basins.
 - Geo-mechanic study in KG-OSN-2004/1 and KG-DWN-98/2.
 - Petrophysical evaluation / revisit of logs of different basins for production enhancement.
- A. **Production**
- Following are research and development activities carried out including Collaborative projects with foreign Institutes / domain Expert etc.
- Joint Industry Project (JIP): A contract has been entered between IEOT, ONGC and M/S NGI, Norway on 07.08.2015 for participation in the

Joint Industry Project (JIP) for “Reliability of API & CPT-based axial pile capacity design methods”. The results of JIP shall help in economizing the pile foundation for offshore structures.

- Collaborative Research projects of IEOT with IITs & other institutes are as under:-
 - **“Effects of Inclusions on Pitting Corrosion on Line Pipe Steel”** with National Metallurgical Laboratory (NML), Jamshedpur. The results of this collaborative research work are aimed to prolong the life of water injection pipelines for uninterrupted flow of injection water. This would be beneficial for improved production and cumulative oil recovery.
 - **“Characterization and Evaluation of Gas and Water Permeability in Hydrate Bearing Sediments”** of KG Basin Project - with IIT Bombay. Studies under the project have led to better understanding of the carbon dioxide sequestration process in natural gas (methane) hydrate reservoirs which mechanically stabilizes the hydrate-bearing sediment while releasing methane gas for production
 - **“Development of floating system concepts for Deep water Applications” in Eastern Offshore with IITM, Chennai** aimed at enhancing understanding related to selection of structural concepts for deep-water development.

IEOT has also carried out research and development in the following areas:-

Structural Engineering:

- Materials & Corrosion Engineering.
- Geotechnical Studies.
- Gas Hydrate Studies.
- Risk and Reliability studies.

The Institute of Oil & Gas Production Technology (IOGPT)

The Institute of Oil & Gas Production Technology (IOGPT) provides integrated R&D support to the

entire spectrum of oil and gas production, beginning with well/field production analysis to transmission to consumer point. Following are research and development activities carried out including Collaborative projects with foreign Institutes / domain Expert etc

- MOU signed with M/s Super Wave Technology Pvt. Ltd (a company incorporated by society for innovation and development, IISc-Bangalore), for developing an alternative to hydraulic fracturing technology
- Collaborative project with M/s Halliburton Offshore Services Inc. on “Study on reservoir and completion review and evaluation of previous stimulation treatments in horizontal wells in N&H Asset and identification of possible treatment approaches”. The project has been completed in December, 2015.

Other Major initiatives taken during the year include

- Developing customized formulations and techniques for well stimulation for western offshore wells viz- Deep Penetrating Retarded Acid System (DPRAS), Viscoelastic Foamed Acid (VFA), Closed Fracking Acidizing (CFA) and Solvent treatment jobs for production enhancement.
- Designing & Reviewing of gas lift system of many offshore and onshore fields
- Design review & completion philosophy for ESP in NBP field (NBP) for production enhancement.
- Study/review of VAP related and Process/Surface facility related issues of offshore and onshore installations.
- Flow Assurance & Development Studies carried out for marginal fields and deep water fields.

B. Technical & Field Services

Institute of Drilling Technology (IDT):

1. IDT has two patents in use, one for Synergistic lightweight cement slurry composition and the other for Synergistic cement slurry composition for EOR wells both development in-house. IDT has also conducted field trials on Micro-bubble drilling fluid, and on Rapid Setting Acid soluble loss control material.
2. Study and analysis of Technological Drilling challenges and Best Practices in Drilling of Horizontal shale gas wells in ONGC.
3. New Technology Solutions for reducing Drilling time & Complications in 20" & 13-3/8" sections of exploratory wells and 8 1/2" & 6" sections of Development wells in Mumbai Offshore.
4. Design of drilling fluid to counter troublesome Kopili/Sylhet/Tura formations for assurance of hole stability during long exposure-period in Panidihing area in Assam Asset.
5. Geo- mechanical study of Panidihing area for minimizing borehole instability problems.
6. Formulation and design of suitable mud & completion fluid policy for tight reservoirs & future Syn-Rift wells of Cauvery Basin.
7. Formulation of specifications of High Temperature modified starch.
8. Development of environmental friendly inhibitive drilling fluid for frontier Basin.
9. Laboratory study of effects of Nano materials on drilling fluid formulations and properties

Well Services

An R&D collaborative project titled "Development of Shock Wave assisted fracking" has been taken up by ONGC with a company promoted by professors of IISc Bangalore. The MoU was signed in the presence of Hon'ble Prime Minister. The contract has been signed on 15.10.2015 and the design work is in progress.

ONGC Energy Centre (OEC)

ONGC Energy Centre (OEC) has signed an agreement with the Indian Institute of Technology Bombay, Mumbai for Collaborative R&D on Design and Development of a Single Cylinder Free Piston Stirling Engine (FPSE) for net 3 kWe electrical output using solar energy and also other renewable energy sources as input heat. Under this Project three proto-type units of 3 kW each, are proposed to be developed. On successful development of the solar dish stirling engine system, long term field performance evaluation will also be taken up. The stirling engine based system, to be developed by IIT, will have flexibility of hybridization by using other forms of energy like bio gas or any other fuel including waste heat, to produce power beyond sun shine hours.

9.3.2 Gas Authority of India Limited (GAIL)

GAIL is actively pursuing collaborative R&D projects with various research institutes and CSIR labs in India. These R&D projects are in various identified thrust areas in alignment with GAIL's Business Areas. In the current year, GAIL has spent over ₹ 76 crores on R&D activities. GAIL's R&D portfolio comprises of over 20 research projects in various aspects of natural gas value chain viz. Transportation, Storage, New sources of Natural Gas, Petrochemicals etc. In addition, research in upcoming areas like, Fuel Cells, Hydrogen and Renewable Energy is also being undertaken.

Some of the important initiatives and achievements during the year are indicated below :

1. Satellite Monitoring of GAIL's Pipeline RoU.
2. Wireless Sensor Network Development.
3. Storage materials for Hydrogen and Natural Gas.
4. Patents Filed: A total of 09 No's of Patents were filed during the course of the year.

9.4 Petroleum

9.4.1 Hindustan Petroleum Corporation Limited

Hindustan Petroleum Corporation Limited Green Research and Development Center (HPGRDC) has been set-up with state-of-the-art infrastructure facilities comprising energy efficient green buildings following eco-friendly design norms with built up area of about 3 lakh square feet in a campus of about 104 acres. Phase I of the project has been implemented with an investment of ₹395 crores and seven labs including FCC, Hydro processing, Analytical, Catalysis, Bioprocess, Nanotechnology, crude & fuel research labs are functional.

HPGRDC has been setup to provide advanced technical support to the Refineries and Marketing SBUs for operational improvement, absorb new technologies, develop innovative & path breaking technologies, license technologies and become a knowledge hub. HPGRDC is carrying out research activities for development of process technologies to enhance corporation's capabilities for future technology up gradations and introduction of new products. Several products and processes have been developed / demonstrated at commercial scale. During 2015-16, 28 Indian and 10 International Patents have been filed.

Two MoU target of R&D projects have been completed during 2015-16 and the projects are:

- (a) Development of Novel Catalyst Formulation for the Reduction of Olefins in the Cracked Gasoline.
- (b) Development of Gear Oil for Industrial application. All the milestones of these MoU projects have been accomplished well before the time lines.

Key Technologies commercialized are HP-HiGas for absorption/separation process, H₂ PSA for hydrogen purification, Catalytic Visbreaking for better yields and HPCosol Process Novel solvent system has been developed for Lube extraction to enhance distillate recovery and selectivity. Novel products such as HP FurnoKare for online furnace cleaning, HP

Bio-Activa for effluent treatment, and HPDUCER a dispersant chemical to reduce pressure drop in hydro processing units were commercialized.

Key research projects are in progress in the areas of development of technology, catalysts & performance enhancement of products which include FCC Feed Nozzle, HP2FCC technology, Slurry Hydrocracking technology, Bioethanol from Cellulosic biomass, Light Naphtha Aromatization, HP Bioremedia, DHDS Catalyst development and Dual Functional FCC Catalyst additive.

9.4.2 Bharat Petroleum Corporation Ltd.

Research and Development (R&D) is an integral part of BPCL's strategy for achieving sustainable growth and profitability. To enhance R&D capabilities, BPCL is continuously strengthening the infrastructure and manpower resources at its Corporate Research & Development Centre (CRDC), Greater Noida, UP as well as at its Product & Application Development Centre, Sewree, Mumbai and the R&D centre at Kochi Refinery, Kochi. All these in-house R&D Centers are recognized by the Department of Scientific & Industrial Research (DSIR), Ministry of Science and Technology, Govt. of India.

R&D forms the backbone for lubricants business, to achieve a higher growth and profitability through development of new formulations and alternate formulations for existing lubes and grease products. BPCL is promoting R&D through commercialization of in-house R&D efforts and leveraging the same for the business growth. During 2015-16, BPCL has taken initiative to commercialize products developed in-house and implement R&D inputs for process improvement.

Steps taken for promotion for R&D:

- R&D projects were monitored on quarterly basis by a Research Council (RC) comprising of Director (Refineries), Director (Marketing), Academic expert and all the business heads. The RC Chairman is Independent Director on the BPCL Board.

- Commercialization plan for in-house developed innovative concept of polybag bitumen was firmed up.
- Continued efforts on niche products namely Super Absorbing Polymer (SAP), Drag Reducing Agent (DRA), Biodegradable & synthetic lubricants development for import substitute.
- Continued Research Collaborations with a number of premier research institutes, and universities. Some major collaborations and related projects are given below in Table-9.1. Continued collaboration with Process Systems Enterprise Ltd, UK and Gyan Data Private Ltd., Chennai, under collaborative research program sponsored by Department of Science and Technology/Global Innovation and Technology Alliance (GITA) for developing Advance Real Time Monitoring and Optimization (ARRMO) tools for online optimization of one of the Crude Distillation Unit of Mumbai Refinery.
- As part of Industry-Academy interactions, providing summer training to students from different institutes and also promoting M. Tech and PhD students to carry out part of their studies at CRDC in areas of mutual interest.
- One Ph.D. student who carried out research work under “PETROTECH” Research Fellowship program has been awarded Ph.D. degree for his work entitled, “Preparation and Characterization of Medium Pore Molecular Sieves for n-Hexadecane Isomerisation” by IIT - Delhi.
- Filed 6 Indian patent applications for protection of IPR for the novel products/ processes developed at R&D.
- Likewise, as a part of ongoing R&D efforts, 6 patents have been granted during 2015-16.

Table-9.1
Research Collaborations

Sl.No.	Collaborator(s)	Project
1	CSIRO Australia, Royal Melbourne Institute of Technology (RMIT), University of Melbourne, IIP Dehradun, IIT-Roorkee	Development of mini-DME Technology
2	EIL, New Delhi	Coal! Petroleum residue to clean liquid fuels
3	Norwegian University of Science and Technology (NTNU), Norway	Environmental due diligence of CO ₂ capture and utilization technologies
4	BITS, Goa	Experimental and Simulation studies on Coke Mitigation in Petroleum Refinery Systems
5	IIP Dehradun	Development of Kero-Merox catalyst
6	ICT, Mumbai	Development of additive for use in Delayed Coker Unit (DCU) to improve liquid yield. Selection and Regeneration of Potential Ionic liquid for Hydroprocessing feed stocks

9.5 Other Mineral ,Metal & Material

9.5.1. NALCO

Board level technology committee meetings are being held periodically to review the R&D activities of the company. One patent application was filed and one patent filed earlier was granted in the current financial year. The company is in the process of establishing a corporate level research & development centre named Nalco Research & Technology Centre (NRTC) at Gothapatana, Bhubaneswar.

The R&D Activities of the company are as given below:

A) In-house R&D Activities:

Alumina Refinery

1. After identifying suitable Synthetic flocculants as a replacement to Wheat Bran, cattle feed, presently in use in the conventional Washers, plant scale trial of one of the identified synthetic flocculent (IE 730) completed and action taken for its regular use.
2. After successful R&D trial, production of special grade alumina with addition of mineraliser has started.

Smelter

1. Regular characterization of baked anode and monitoring of its quality.
2. Studies for improvement of quality of raw materials to carbon plant.
3. Anode bench scale studies for anode quality improvement.
4. Regular metallographic studies of cast products and inclusion analysis of liquid metal, for quality improvement.
5. High speed extrusion alloy billets produced in Billet casting facility on experimental basis was successfully tested in different extrusion industries in India. Interested customers have started taking this material.

6. Plant trial of “Improvement in Oxidation Behaviour of Anodes” started in Green Anode Plant-2 (GAP-2) on 17/03/2016 to reduce net carbon consumption.
7. R&D trial for production of cookware sheets for both anodized and non anodized variety in Rolling Plant successfully completed.

B) Collaborative R&D Activities:

Some of the Collaborative R&D projects completed and taken up during the year are as below:

1. The 1st phase for extraction of alumina from Fly Ash/ Partially Lateritized Khondalite (PLK) using nitric acid with CSIRO, Australia completed. Under optimum condition >90% efficiency has been achieved. The 2nd Phase of the project has been taken up to produce Aluminium Trihydrate precipitate from Partially Lateritized Khondalite (PLK).
2. Technology with use of fly ash in ceramic tiles developed successfully in laboratory scale. Industrial scale trials with minimum of 50% use of coal ash to produce wear resistant ceramic tiles completed successfully with IIT, Kharagpur.
3. Study of scale formation in precipitation tank based on the operating parameters to optimize upcoming of tanks at Refinery with JNARDDC completed.
4. An investigation with NIT, Rourkela on treatment of bauxite through thermal and non-thermal hydrogen plasma continuing to extract aluminium from the ore.
5. Up gradation of Alumina in NALCO Fly ash through bio leaching of silica and subsequent recovery of alumina through piro/hydrometallurgical routes has been completed with IMMT. Further scaling up to is being explored.
6. Study on ‘Development of ceramic proppant from Partially Lateritized Khondalite (PLK)

and Fly ash' completed with JNARDDC.

7. A hand held spectrometer developed with JNARDDC for quicker and easy method for the analysis of Impurities (Fe, Si, Ca etc) in Alumina and Aluminate Liquor.
8. A collaborative demonstration project for "Development and Demonstration of process for removal of fluoride from effluent water generated in Smelter Plant using Emrion Technology" has been completed. High capacity plant based on Emrion Technology is being set up at Smelter plant.
9. Collaborative R&D project with on Infra Red Thermography was completed and the studies has helped to locate hot spots in furnaces and electrical Switchyard equipments in Alumina Refinery, to control breakdown of equipments
10. Studies on Reduction of reactive silica in Nalco bauxite through beneficiation methods has been completed with IMMT and result shows around 30 % removal of silica is possible by means of Hydrocyclone separation after granulating to a particular size fraction of the bauxite used.
11. Use of red mud and fly ash as a geo polymer concrete continuing. Results obtained are quite encouraging.
12. A collaborative Study on extraction of Rare earth elements from Red Mud with NML, Jamshedpur completed.

9.5.2. Mishra Dhatu Nigam Limited (MIDHANI)

R&D activities in MIDHANI centre's around development and characterization of new alloys, looking into alternate routes to manufacture with a view to improve yield and reduce production cost without compromising the quality of the product and development of new products, in order to improve the product range and customer base. The basis of undertaking an R&D project has been to meet the strategic needs of esteemed customers, in order to ensure unstinted growth of strategic sectors in the country.

1) List of the R&D projects during financial year 2015-16 is as under:

- a) Development of higher caliber gun barrel forging (MDN 155) for howitzer
- b) Development of PH stainless steel MDN 465 for BrahMos.
- c) Development of Cr- Ni superalloy - Superni 42N (equivalent to XHM1) for nuclear applications.
- d) Development of Ti-alloys for naval and space applications using indigenous titanium sponge.
- e) Study on effect of cooling rate and section thickness on properties of 38XH3MFA alloy
- f) Development of 120 mm Motar Gun Barrel.
- g) Development of Superni 750MW (XH67MBTIO)
- h) Development of Titan 44
- i) Development of 10-2-3 Titanium alloy
- j) Development of Superfer 612 for nuclear application

2) Details of additional projects taken up in the financial year 2015-16:

- a) Development of CRGO steel
- b) Adour engine disc of Titanium alloy Ti 26 for aeronautical applications
- c) Development of Supercast 55
- d) Development of Superni 742 for Nirbhay missile
- e) Development of low alloy high strength steel MDN AB3PK for marine applications
- f) Development of MDN AS2 for armour applications
- g) Development of austenitic/ferritic stainless steel welding wire (MDN 75) for marine applications.
- h) Studies on the effect of remelting parameters of maraging steel (MDN250) for improving the yield.

- i) Indigenous development of Electro Slag Remelting Furnace 20t capacity.
- j) Indigenous development of Vacuum Arc Refining, 10t capacity
- 3) **Details of patent obtained and filed during the year:**
 - a) Corrosion resistant austenitic steel for high temperature applications and its production method.
 - b) Modified heat treatment practice for enhanced strength and toughness in a martensitic stainless steel.

9.5.3. Indian Rare Earths Ltd

The R&D activities are directed towards meeting the internal requirements related to recovery of mineral values from mineral separation plants at OSCOM, MK & CH, value addition to Monazite & Zircon and improvement of production of Uranium, Thorium and Rare Earths in its OSCOM & RED plants.

IRERC & OSCOM has Mineral Pilot Plant, Chemical Pilot Plant and Analytical Laboratories for carrying out R&D activities in the field of process improvement, adoption of new equipment/technology related to mineral processing & value addition studies of Ilmenite, Zircon, and Monazite. OSCOM & RED has Pilot Plant and Laboratory facilities for Rare Earths Separation and Analysis for expansion & diversification activities related to Rare Earths, Uranium & Thorium. CH & MK has basic testing facilities for mineral separation of beach sand minerals.

The R&D laboratories of all the units & IRERC are approved by DSIR, Ministry of Science and Technology vide TU/IV-RD/1516/2016 dated 21-04-2016 as "In house R&D Centers".

For funding the R&D activities of IREL, DAE has constituted IREL Technology Development Council (IRELTDC). Projects are invited and undertaken through various Govt. R&D institutions in the field of, plasma processing of various mineral

products of IREL, value addition to RE, recovery of nuclear materials by solvent extraction, recovery of Uranium from various secondary source and value addition of specific heavy minerals produced by IREL.

Out of the 21 IRELTDC projects, 15 projects have been completed, out of which the following projects have already been adopted in plant/pilot plant scale.

- a) Augmentation of PREE Solvent Extraction Test facility at RED.
- b) Design and scale up of Annular Centrifugal Extractor (ACE).
- c) Study of suitability of magnetic separators as replacement for air tables for recovery of monazite.
- d) Pilot Scale Production of Nano sized Rare Earth Phosphate.

During 2015-16 further investigations for market adaptability were carried out in the following IRELTDC projects for commercialization.

- a) Design and Development of rare earth based colorants.
- b) Processing of Monazite by sulphuric acid route for the recovery of uranium, thorium and rare earths.
- c) Testing of various Nano Zirconia & stabilized Zirconia compounds produced at the R&D/Pilot Plant facility at IREL, OSCOM for various applications
- d) Development of High Field Composite Varistors based on RE Oxide.
- e) Process development for the production of Nano Titania from ilmenite and set up a pilot plant to process 1 ton/ batch.
- f) Pilot plant Production of Environmentally Secure Rare Earth Oxide Brown Pigment for Surface Coating Applications.

The benefits derived like product improvement, cost reduction, product development or import substitution as a result of the above efforts.

- a. Development of new value added products such as Nano Titania, Nano Lanthanum Phosphate, High Pure Rare Earths, Zirconia compounds opened new market avenues for additional revenue generation.

Efforts made towards technology absorption.

- a. High Purity Dysprosium Oxide by Solvent Extraction Process : Based on the R&D studies conducted laboratory level Solvent Extraction Plant for production of 99.0% pure Dysprosium Oxide is being commissioned at RED Always.
- b. Monazite processing: Based on R&D studies conducted at pilot plant level for processing monazite through the sulphuric acid digestion process, a 10 ton batch reactor is being developed for digestion of Monazite.
- c. Helium Recovery from Monazite processing: Separation & collection of Helium from Monazite digestion process without grinding is being implemented at OSCOM.
- d. Lanthanum Zirconate, Ytria Stabilized Zirconia & Magneisa Stabilized Zirconia: Various Zirconia compounds developed by R&D studies and produced in the pilot plants of IREL are under hot testing stage in real application environments in different user industries.

Other Major R&D works during 2015-16 (MoU).

- a) Process Development for the production of 99.0% pure Neodymium Oxide by Solvent Extraction at IRERC, Kollam.

- b) Production of Helium from unground Monazite through sulphuric acid route at IREL, OSCOM .
- c) Development of process flow sheet for leucoxene separation and production at IRERC, Kollam.

9.5.4. NMDC Limited

A. Projects as per MoU agreed with Ministry of Steel for 2015-16

- I. Development of an eco-friendly tailing disposal system by filtration of iron ore tailings and study of issues related to their transportation and storage (Phase — 3)
- II. Recovery of iron values and pure silicon dioxide from rejects of lean grade iron ore tailing at lab. scale level by hydrometallurgical route
- III. Reduction studies with iron ore sample from Bachel by lignite as part of developing alternate iron making process

B. In-House Projects completed, in order to support Production in various Mines of NMDC during 2015-16

- I. Studies on the influence of temperature on flow properties of bulk solids
- II. Characterisation and beneficiation studies with slimes samples from Kirandul and Bachel
- III. Bulk concentrate production for 15 million ton slurry pipeline for rheological studies and flow sheet development for 2 MT beneficiation plant at Bachel
- IV. Physical and metallurgical characterization of iron ore samples received from various mines
- V. Pelletization studies with iron ore concentrate obtained after beneficiation of Bachel and Kirandul Complex fines and slime

C. Sponsored Projects during the year 2015-16

- I. Flowability study of lignite for design

- of gravity flow silos for Neyveli Lignite Corporation, Tamilnadu {M/s BHEL, Tiruchirapalli}
- II. Flowability study of three iron ore fines samples of SAIL, Gua Mines to design reliable gravity flow silos/bunkers/hoppers and transfer chutes {M/s L&T, Kolkata}
 - III. Flowability study of coal for design of gravity flow silos for coal handling plant of NCL-Khadia Project {M/s. L&T, Kolkata}
 - IV. Flowability study of coal and limestone samples for design of reliable gravity flow silos and transfer chutes for Dhamra Port Company Ltd., Adani SEZ, Orissa {M/s ThyssenKrupp Industries India Pvt. Limited}
 - V. Characterisation studies of Iron ore lump and fines sample (M/s Ashra Business International)
 - VI. Characterisation, Beneficiation and recovery of valuable minerals from Manganese Mine waste {M/s Radhika Minerals}
 - VII. Characterisation & Batch scale Beneficiation studies on Manganese {M/s Tecdatum , Hyderabad}
 - VIII. Beneficiation studies with Beach sand sample {M/s Ahome Consultants Pvt. Ltd.}
 - IX. Metallurgical characterization of one iron ore pellet sample received from M/s BRPL, Jajpur
 - X. Metallurgical characterization of one iron ore pellet sample from M/s ESSAR, Paradeep .
 - XI. Metallurgical characterization of two iron ore pellet samples received from M/s BRPL, Jajpur
- D. Collaborative Research with leading / Research Institutes
- I. IMMT, Bhubaneswar: Development of entrained flow gasification system using non-coking coal (f-grade) blended with dolochar for thermal applications
 - II. IIT, Hyderabad: Improving the efficiency of dense medium separating the high ngmcoal samples using gpu based cfd and pept methods
 - III. JNTU, Hyderabad: Critical analysis of accretion formation (ring) in rotary kiln process at siu, *palvancha*. (completed)
 - IV. Commonwealth Scientific and Industrial Research Organisation (*CSIRO, Australia*): development of dry beneficiation technologies for processing of hydrated iron ores
 - V. M/s ECT, Melbourne, *Australia*: Collaborative alternate iron making technology development initiative between NMDC, Neyveli Lignite Corporation & etc., Australia.

9.6. Steel

9.6.1. Steel Authority of India Limited (SAIL)

Research and Development Centre of SAIL (RDCIS) is India's premier research organization in the field of ferrous metallurgy. Recognizing that development and assimilation of new technologies & process innovations are basic tenets for sustainable growth, SAIL has given thrust for its R&D efforts through its well equipped R&D Centre located at Ranchi. It has more than three hundred diagnostic equipment and adequate pilot facilities under fifteen major laboratories. The centre undertakes research projects encompassing the entire spectrum of iron & steel starting from raw materials to finished products. In the year 2015-16, 96 projects were pursued and 45 projects completed with substantial benefits to the organization.

R&D Centre also pursues pioneering work in the area of development of niche products as per market requirements aiming at superior performance based on application. During the year twenty four products have been developed and some of the noteworthy products include resistant steels for Indian construction segment, Steel for Earthmovers & Heavy Machineries, Boilers & Pressure Vessels,

Transmission Line Tower Naval Warship Vessels, Wind Mill Components, Elevator, Washing machine & Kitchenware.

The centre in its pursuit for excellence in various research fields enters into collaboration mode of research in specific areas with renowned research institutions and academia. During the year 2015-16, MOU/Collaboration agreements have been entered into with institutions such as Carnegie Mellon University, USA, Swerea – MEFOS, Sweden, Indian Institutes of Technology at Roorkee, Mumbai and Kanpur, NRDC, New Delhi, BIT Mesra, National Institute of Technology, Rourkela, Jadavpur University, MIDHANI, Hyderabad, C-DAC, New Delhi .

In order to maintain market leadership, improve operational efficiencies, nurture process innovations and enhance quality of products to international levels, SAIL has embarked upon an ambitious Master plan for R&D during 2011-12 aiming at integrating R&D initiatives towards business & operational goals of the company. This called for creating Centre of Excellence (CoE) in all the plants and implementing High Impact Projects (HIP) and Technology Missions (TM) so as to achieve technological eminence. This initiative has taken roots and is under different stages of implementation. The revised R&D Master Plan: 2015 was presented before the management of SAIL in a workshop organized at Ranchi on Sept.9, 2015 and released by Shri SS Mohanty, Director (Technical), SAIL.

The efforts of RDCIS engineers and scientists have culminated in filing of 35 patents and 36 copyrights (in association with SAIL Plants) during 2015-2016. As many as 107 technical papers (33 international) were published and 159 papers (79 international) were presented. In addition, RDCIS undertook contract research work and provided consultancy services and know-how to organisations outside SAIL, yielding external earning of ₹ 93.08 lakhs.

9.6.2. Rashtriya Ispat Nigam Limited (RINL)

At RINL, R&D initiatives are directed towards meeting present and future requirements of the plant to enhance competitiveness and sustainability. Programs in the areas of process improvement, new product development, cost reduction, new technology development, environment protection, waste management etc. are taken up internally as well as with external research organizations under collaborative research work.

RINL has obtained recognition for its R&D from Department of Scientific & Industrial Research (DSIR), Ministry of Science & Technology, and Government of India in November 2015. Two pilot facilities, Pilot Oven to test new coals for coking properties and Pot Sintering Machine to optimize the sintering parameters and sinter characteristics were set up and are being operated regularly. Additional facilities for R&D Centre including eight laboratories are under process.

Some of the major R&D projects taken up in 2015-16 are given below:

Process development area:

1. Mathematical modeling of sintering cum palletisation
2. Optimization of operating parameters for CaSi treatment of liquid steel
3. Effect of iron ore micro fines on sintering
4. Causes for crack in billets and rounds in hot rolling
5. Reduction of ladle balance and improvement of yield from steel ladle.

Product development area

1. Development of TMT Bars for improved seismic and corrosion resistance
2. Revision of IS2879:1998 wrt. Al Content in the core wire
3. Development of Boron steel grades
4. Development of CRGO Electrical steel sheets

Environment and energy area

1. Feasibility studies of enrichment of BF gas
2. Development of CO₂ sequestration technique with LD slag
3. Minimization of crumbling of steel slag.

Waste utilization area

1. Suitability of BF slag for river sand in civil construction
2. Effect of Coke dust of minus 1 mm on sintering and on the sinter

Keeping in view the market demand and to cater to specific customer requirements, RINL has developed 4 new products in the year 2015-16. Three patents were filed by R&D Centre personnel in 2015-16 and nine technical papers were presented at different international and national seminars. An amount of ₹ 21.74 Crore was spent towards R&D in 2015-16.

9.7 Fertilizers

9.7.1. The Fertilizer & Chemicals Travancore Ltd.

The Research and development Centre function with the aim of carrying out in-depth research in new fertilizer formulations, innovation in the fertilizer production for cost control and value addition of by-products, existing product lines and waste utilization in the Organization

Details of R&D activities:

a). Development of Coir pith based formulation for Agri / Horti End-use: An MOU project between FACT and Coir Board for carrying out a research project on composting of coir pith for end use in horticultural-agricultural areas. The cost of the project is 172.02 lakhs.

Studies on partial/complete replacement of lignite by composted coir pith as carrier in Biofertiliser production were undertaken in the Phase III of the project during the year 2015-16. The parameters like pH, viable cell count, contamination and shelf life were found to be compliance with FCO specification.

b) Production of Boronated Ammonium phosphate sulphate: Boron, a micronutrient is necessary for proper development and differentiation of tissues in plants. It also aids root elongation, DNA synthesis, pollen formation and pollination in plants. It increases the crop yield and quality of sugar cane, wheat, grapes etc. Crops remove Boron from the soil and it must be replenished regularly for top yields and quality of crops.

Based on the study conducted at R&D centre for incorporating the micronutrient Boron in NP 20:20 complex, ammonium phosphate sulphate fertilizer, it is concluded that micronutrient Boron can be incorporated by using fertilizer grade Borax as Boron source. R&D conducted a plant trial run production of Boronated ammonium phosphate sulphate at 150 TPD production plant of FACT. About 100 MT of boron fortified Factamfos was produced with boron content of 0.2-0.3% in the product. The product conform to Fertilizer (Control) Order 1985 specification. Subsequently the product was recommended for Gazette notification to incorporate in the FCO 1985. The same was notified in the gazette on 23rd September 2016.

c) Services to Other Divisions: In connection with the Technical audit of SSP Manufacturing units by FEDO in all southern states and Maharashtra, which is entrusted by Dept. of Fertilizers, GOI. R&D Centre is testing the samples issued by FEDO and certify Rock phosphate and Single Super Phosphate samples as per standard procedures. About 118 samples were analyzed during the financial year

d) Quality Control Cell: It is constituted as per the direction of Ministry of Agriculture, GOI for efficiently monitoring the quality of finished chemical fertilizers both in manufacturing unit and field godowns, distributors and dealers for evaluating the quality. The scientific staffs in R&D are carrying out the work on rotation basis and reports are submitted to Director (Technical). This is also a part of company's commitment to ensure the quality even after dispatching the product to market.

e) Biofertiliser Production: R&D produces biofertilizers such as Rhizobium, Azospirillum, and Phosphate Solubilising Bacteria (Bacillus Megatherium) from its 150 TPA plant, which is established with partial assistance of one time grant in aid from Ministry of Agriculture, GOI. R&D has produced and dispatched biofertilizers of 128.88 MT and 123.28 MT during the year 2015-16 respectively. The production target for the current financial year is fixed at 150 MT

9.7.2. Rashtriya Chemicals & Fertilizers Limited(RCF)

R&D activities under taken by RCF is as under:

(i) **Lab scale development of microbial bio-pesticide “*Trichoderma viride*”**

Microbial pesticides used are bacteria, viruses, fungi, nematodes etc. *Trichoderma* spp. is fungi from the hypocreaceae family that are present in nearly all soils. Laboratory scale development of this fungi as biopesticide was carried out successfully.

(ii) **Development of Phosphogypsum based value added Soil Conditioner for increasing nutrient use efficiency**

To make agriculture sustainable, enhance the nutrient use efficiency, an attempt was made to formulate recipe for blending organic matter and soil conditioner “gypsum” components together and standardize the combinations to maximize the crop yield and nutrient use efficiency. In-house field trials and trails in Agriculture Universities were conducted for evaluating nutrient use efficiency. An increase of 17% yield and increase of nutrient use efficiency to the extent 50% was reported.

(iii) **Development of best nutrient package for pomegranate through specialty fertilizers for enhancing fruit yield and quality**

Pomegranate (*Punica granatum* L.) is one of the commercially important fruit crops

of India. Maharashtra alone has 99,000 hectare area under this crop. Hence, work on development and recommendation of the micronutrient management for pomegranate was undertaken in association with Mahatma Phule Krishi Vidyapeeth, Rahuri, Maharashtra in the year 2015-16. The yield increase was recorded to be around 20% through utilization of Biola, Microla and Sujala products.

(iv) **Lab scale study for development of Nanotechnology based fertilizer**

At RCF, Research and Development Department (Bioresearch) has ventured into the area of Nano particles and its application in agriculture. A research center “Sarjana” dedicated to Nanotechnology research was inaugurated in the Company. It is one of its kind among the Public sector enterprises in India.

(v) **Commercialization of Micronutrient grade for Paddy Basel for Tamil Nadu state**

The R & D department developed micronutrient grade (No. XI) in solid form for Paddy crop basal application for Tamilnadu state. The product has been commercialized and in the year 2015-16, 38.5 MT was manufactured and marketed.

9.7.3. National Fertilizers Limited (NFL)

R&D activities under taken by NFL is as under:

Agronomic evaluation of Nitrification inhibitors and Coated Urea Materials for improving productivity and Nitrogen use efficiency of rice and sugarcane through M/s Indian Agriculture Research Institute (IARI), New Delhi.

The project has been carried out to study the effect of different nitrification inhibitors and slow release urea products developed by IARI on productivity and nitrogen use efficiency of rice and sugarcane. A significant effect on growth and yield was observed by using nitrification inhibitors coated

urea and controlled release urea products on rice and sugarcane.

Pilot production of Murate of Potash (MoP) using subsoil bitters available in the Little Rann of Kutch (LRK)

In collaboration with M/s CSMCRI (Central Salt and Marine Consultancy & Research Institute), Bhavnagar, NFL has undertaken a pilot project to manufacture MoP using subsoil bitters available in LRK. Action has already been initiated to set up a plant to produce MoP on commercial scale.

Applicator developed for use of liquid Urea Ammonium Nitrate (UAN) in consultation with M/s IARI. The efficacy of the same is being ascertained through application of UAN using this applicator on crops by M/s IARI.

Zinc Solubilizing Bio-Fertilizer plant at Vijaipur: Zinc solubilizing Bio fertilizer strain has been developed in-house & license for its manufacturing & sale has been obtained. Bio-efficacy test has been conducted at farmhouse at Nangal unit w.r.t. growth of paddy during Kharif 2016 and results are awaited.

9.8 Chemicals & Pharmaceuticals

9.8.1 Hindustan Fluorocarbon Limited (HFL)

The company has carried out following R&D activities in the financial year 2015-16:

For revival and growth of HFL, the company is actively involved in development of fluoro speciality chemicals wherein margins are more than Polytetrafluoroethylene (PTFE). This will help to increase the product range and to reduce dependency on PTFE.

- (1) Developed Benzotrifluoride (BTF) on lab scale and sample was accepted by the customer.
- (2) Tetrafluoroethylene TFE is one of the intermediate product in the manufacture of PTFE. By using TFE as a precursor, company has developed partial conversion of Telomers and facility is commissioned.

9.8.2 Bharat Immunologicals and Biologicals Corporation Limited (BIBCOL)

BIBCOL is primarily dedicated to the development and production of health products for young children, with manufacturing of oral polio vaccine. Malnourishment among young children in our country is a serious problem and therefore BIBCOL has taken up R&D activities in development of therapeutic food for severely acute malnourished children.

9.9 Heavy Engineering & Medium and Light Engineering

9.9.1 Baharat Heavy Electricals Limited (BHEL)

i) Innovation

Innovation capability and a culture of creative development are important drivers for achieving growth. BHEL's R&D strategy, structure and infrastructure are aligned to meet the challenges of present and future business environment. To meet the requirements of a dynamic market the company is focusing its R&D efforts on developing new products and processes using state-of-the-art technologies and also improving the performance and efficiency of existing products.

Over the years, BHEL entered into technology collaboration agreements with leading global manufacturing and engineering companies, such as General Electric Company of the United States, Siemens AG of Germany, Mitsubishi Heavy Industries Ltd. of Japan and ABB Group of Switzerland. The company has successfully indigenized these technologies to meet the requirements of Indian customers and manufacturing at its own facilities. Today, with twelve ongoing collaborations, BHEL is focusing on successful adaptation and timely absorption of these technologies.

Further, in-house R&D efforts are focused on meeting customers' specific needs for any derivative/modified products, diversification, site support and product lifecycle improvement.

ii) Achievements during the year (2015-16)

BHEL has recorded significant achievements on R&D performance parameters during the year. The R&D expenditure of the company for the current financial year is ₹ 893.07 Crore which is 3.36% of the turnover.

This includes the expenditure made at manufacturing units on R&D efforts gone into major modifications/ improvements in product/ designs against customer requirements which are not covered in Corporate R&D projects. The company filed 477 patent and copyright applications during the year 2015-16, enhancing the company's intellectual capital to 3441. A total of ₹ 6675.68 Crore of the company's total turnover has been achieved from its in house developed products, introduced in past five years.

During the year, there have been significant developments/ improvements in engineering, processes and products covering various business verticals like Power, Industry, Transportation and Renewables. Some notable achievements are:

- BHEL has developed and supplied 24 KV PR Class Oil filled & Dry Type Current Transformer CT for Powergrid NE-Agra HVDC Project. A special anti-remanence test was conducted by third party as per IEC 61869 and the results were accepted by ABB Sweden and PGCIL. With this development, BHEL has become the only indigenous manufacturer to supply 24 kV PR class CTs.
- BHEL has developed water cooled IGBT Power stack for high power applications of STATCOM and industrial drives up to 5 MVA capacity. With this, BHEL can supply compact STATCOM and industrial drives up to 5 MVA with 3-level power circuit topology using water cooled IGBT power stack.
- BHEL has developed a new variant 67.647MVA, 57.75 MW, 13.8 kV, 3600 rpm Air Cooled Turbo-Generator with overhang brushless exciter for industrial application. The development has resulted in addition of a new variant (suitable for 60 Hz application) of air cooled TG to BHEL's existing portfolio of Turbo generators for industrial application. Two developed generators have been supplied to M/s GE-Triveni Ltd for their project in Philippines.
- BHEL has developed 5.925 MW, 11KV, 10 Pole slow speed ID fan motor which is the largest rating designed till date in 10 pole construction. The developed motor achieved efficiency better than global benchmark at full load for such ratings. This development has enabled BHEL to supply complete range of large rating slow speed ID fan motors for 660 MW & 800 MW super critical thermal power plants applications. Four numbers have been supplied for NTPC Gadawara.
- BHEL has developed 4.7 MW, 11KV, 16 pole vertical synchronous motor with non-skew stator in salient type construction for lift irrigation sector. Twelve such motors have been supplied to Megha Engineering and Infrastructure Limited (MEIL).
- For industrial application BHEL has developed a new variant of 14 MW, 11 kV, 4 Pole Closed Air Circuit Water Cooled (CACW) alternator in ribbed shaft construction. This Alternator has been developed for the first time in top mounted construction with smoke detector. One such alternator has already been supplied to M/s Triveni.
- BHEL has developed a compact 1,850 KW, 2 pole compressor motor with an effective ventilation arrangement incorporating state of the art cooler and new generation high discharge blowers for India Glycol Ltd as a substitute for the imported machine being used by them.
- To cater to power requirement from 150 MW to 200 MW range for industrial application, BHEL has developed an efficient design of two cylinder steam turbine module which incorporates latest design features like advanced blading and compliant seals (brush seals).
- BHEL has developed a Remote Terminal Unit (RTU) with the latest industry communication protocols for SCADA. This is a vital component of Distribution Management System (DMS) in Smart Grid to provide remote monitoring and control of a utility's distribution assets and networks.
- BHEL has developed a robot trajectory tracking system for welding applications which provides additional intelligence to the robot to track the path compensating dimensional changes due to welding process using a laser sensor. The tracking system improves the product quality as precise placement of welding torch, proper fusion with side walls of the work piece and uniform deposition are ensured.

- BHEL has developed process for manufacturing Nano-modified epoxy composites for HV Insulation Products. This development has resulted in superior electrical insulation properties like AC breakdown voltage (~28% higher), dielectric permittivity (~9% higher), higher electrical resistivity etc. and has potential to reduce weight and size of insulation materials in products like Seal off Bushings (SOB), Current Transformers (CT), and Potential Transformers (PT) etc.
- BHEL has developed and demonstrated 50kWp SPV systems using horizontal axis passive sun trackers based on liquid balancing system. The tracking is fully automatic with the movement of liquid from one side of the panel array to the other side due to heat generated by solar energy. The trackers generate 15-20% extra energy in comparison to the modules mounted on the fixed tilt structures.
- BHEL has entered the new market segment of Thermal Energy Storage products by successfully developing multi channeled honeycomb ceramic blocks. Successful completion of field performance has resulted in placement of order by TATA Steel and 1000 honeycomb blocks have already been supplied.
- BHEL has developed materials for high strength nanostructured honeycomb grinding rolls for coal pulverization to enhance life of grinding rolls. This development has resulted in improvement in life of bowl mill rolls from 3000-4000 hrs. to 12000 hrs.

9.9.2 Bharat Dynamics Limited

BDL is a prime production agency for missiles in India. BDL has in-house Design & Engineering Division for design and development of products for Indian armed forces. Presently the following R&D activities are in progress:

1. Project Amogha-I (Anti-Tank Guided Missile for Infantry of 2.8 km range)
2. Project Amogha-II (Anti-Tank Guided Missile for Mechanized Infantry of 4 km range and advanced guidance system)
3. Design and development of Counter Measures Dispensing System (CMDS) for Mirage and

Light Combat Helicopter (LCH) platforms

4. Control Panel for ASO-2V Russian CMDS for Mi-17 helicopter
5. Dispenser Unit for Ø50 mm round cartridges for Sukhoi Aircraft

9.9.3. Bharat Electronics Ltd.

Research and Development has been the core strength of BEL. There has been continuous focus on development of Technology modules, Products/ Systems required for various strategic business units through periodic review of R&D Plan. Apart from in-house R&D efforts, R&D Projects are taken up in collaboration with DRDO, other National Research and Development Agencies and Academic institutes. The R&D activities have been carried out in all the business segments namely Radars, Military Communication, Naval Systems, Missile & Weapon Systems, Electronic Warfare, Avionics, C4I (command, control, communication, computer and intelligence) systems, Electro optics, Tank Electronics, Gun up-grades, Homeland Security Civilian Equipment & Systems and Strategic Components.

I) New initiatives undertaken by BEL in the areas of R&D and Technology development during the year 2015-16, are listed below:

- BEL has invested around 9.36% of its turnover in R&D
- 3 year R&D Roll-on Plan has been reviewed, updated and released
- Sanction has been accorded to 24 new R&D projects by the BEL Board in the areas of Radar, Sonars, Communication and Weapon systems
- Chief Technology Officers (CTO) have been appointed in areas of Radar and Weapon System, Communication and Electro optics & Laser Technologies.
- Twelve Patent applications have been filed.
- Control Electronics group is formed to focus

development on Missile Electronics.

- Knowledge Management Portal has been updated to cover functions like HR, Finance, Marketing, Productions areas apart from R&D groups, IET Digital Library access to all SBUs through Internet has been provided.
- R&D Engineers were sponsored for doing M. Tech at DIAT Pune.
- Special Training Programs conducted in the areas of Radar and electro-optics, Cyber security, Modeling and Simulation to select groups in R&D
- R&D Engineers were awarded for excellence in in-house R&D efforts.

II) Some new products developed and introduced during the year are:

- 3D Surveillance Radar, L band 2 D Air surveillance radar, Man pack Satcom Terminal, Software defined Radio (Naval version), Integrated Sonar Suite, Integrated EW system, Laser Warning system, Gunner Sight and Driver Sight for Armored Fighting Vehicles

III) Some new R&D projects initiated are:

- 3 D C/D band air surveillance Radar, Hull mounted Sonar and Low Frequency Variable depth Sonar, LTE based EnodeB, MMICs, Advance gunners Main Sight, Single combat vehicle for QRSAM.

9.9.4 Rajasthan Electronics & Instrumentation Ltd.

The innovative culture has enabled the company to meet wider business objectives and maintain its competitive advantage in a rapidly growing Dairy & Solar PV Sector. REIL has been providing cost effective solutions for over 34 years through in-house development efforts in its well equipped R&D center recognized by the Department of Scientific & Industrial Research, Government of India.

Especially in dairy electronics, REIL is

providing complete solution for qualitative & quantitative analysis of milk from milk procurement to milk reception. REIL is committed to provide entire solution to dairy industry ensuring transparency through automation at every stage eliminating possibilities of manipulation.

In this line, R&D has recently developed products like GPRS based Data Processor Unit, Next Generation DPU which has unique feature to send online data to central location at the time of pouring of milk. This year R&D is also engaged in energy efficiency sector by developing CCMS system for LED street lights.

Major development projects undertaken in 2015-16 include following:

a) **GPRS based Smart Data Processor Electronic Milk Tester (SDPEMT) & Data Processor Milk Collection Unit (DPMCU)**

The SDPEMT & DPMCU are Data Processor based systems developed in-house in REIL R&D Center few years back and have been delivering to the expectations of the customer. To use the above systems more effectively by transferring data directly to central server for increased transparency and data security an Interface Unit was designed to provide GPRS connectivity for SDPEMT & DPMCU.

b) **Next Generation DPU (NG-DPU)**

The milk collection system is integrated unit comprising of quantitative & qualitative analysis equipment. The data processor unit collects data from various machines like Milk Analyzer, Electronic weighing scale (EWS) and gives output to Printer/digital indicator. The processing is done on data and stored to generated daily, monthly and yearly reports.

c) **Centralized Control & Monitoring System**

The Centralized Control and Monitoring

System (CCMS) is taken up for development to monitor and control public street lights through SMS communication based on GSM modem.

REIL at present is working as Project Management Consultant (PMC) Company for EESL LED light installation project. Along with LED lights, CCMS units are also being installed in various ULBs of Rajasthan for automatic switching of street lights making optimum use of grid power.

d) **Jammer**

Mobile (or cell) phones are becoming essential tools in our daily life. Besides constructional use, these are also used as cheating device in examination conducted by statutory bodies. Sometimes it is difficult to identify and control its misuse in such an important event where the highest level of transparency is desired to ensure free & fair conduct of the examination. A Mobile Jammer is essentially a device that blocks the signals within the identified area.

The jamming device broadcasts an RF signal in the frequency range reserved for cell phones that interferes with the cell phone signal, which results in a “no network available” display on the cell phone screen. All phones within the effective radius of the jammer are silenced.

e) **LED street light retrofitting project**

The company is working as project Management Consultant (PMC) and Annual Maintenance Consultant (AMC) for retrofitting of conventional street light with energy efficient LED lights for various ULB's in the state of Rajasthan for EESL. So far we have completed the installation of more than 1.9 Lakh LED lights in 17 ULB's under Phase-1 & Phase-2.

In addition to the in-house development, the Company is working with recognized Research &

Development centers/ institutions/ organizations for development of products/ projects jointly. The following agreements were signed during 2015-16.

- Agreement with Milkotronic, Bulgaria for In-house manufacturing of Ultrasonic Milk Analyzer.
- NDA with NIDEC Corporation, Japan for development of BLDC Ceiling Fan, BLDC motor based pump and controller for Solar Water Pumping application.
- NDA with NM Automation for currency Inspection system.
- NDA with SATEC for development of Solar PV Project of MW size.

9.9.5 Engineers India Limited (EIL)

During the year 2015-16, Engineers India Limited has adopted and commercialized the following in-house developed technologies for improvement of its design procedures and production processes of its clients:

- Feasibility study completed for implementation of EIL developed process for hydrogen recovery from refinery off-gas using cryogenic separation at BOREL.
- EIL developed structured packing Parlpac used in Quench columns and amine absorption columns of TGTUs (Tail gas treatment units) of BPCL-Mumbai Refinery and HPCL Mumbai Refinery
- Revamping of DHDT/DHDS reactor of IOCL Gujarat Refinery using EIL-IOCL Developed DHDT/DHDS technology

Major technology development projects initiated in 2015-16 were:

- Development of new separation devices for preflash drum
- Development of design methodology for trays with explosion hatches
- Development of Basic Design for 1700 TPD fluidized type Coal Gasifier for processing high

ash Indian coal

- Development of process scheme for selective Di-Olefin saturation for upgradation of Coker Gasoline
- Development of process for hydrogen recovery from refinery off-gas using cryogenic separation
- Process development for ATF hydrotreatment
- Development of technology for H₂S removal from low pressure off-gases
- Development of novel hardware for aiding reaction between basic media and middle or light petroleum distillates
- Development of catalyst and process for slurry phase residue hydrocracking
- Development of kerosene de-aromatization process

The following technology development projects initiated during the year and are in progress:

- Development of technology for design of Hige water deaeration system in association with BPCL (R&D)
- Development of technology for the production of sulphuric acid from Refinery off-gases
- Development of process for desulfurization of gasoline, diesel etc. using liquid sodium (Non-HDS) with IOCL (R&D)
- Development of membrane process for air separation
- Feasibility study of improved 3 phase reactor configuration for hydroprocessing applications with BPCL (R&D)
- Experiments and hardware testing for prototype of novel hardware which aids reaction between basic media and middle or light petroleum distillates
- For strengthening technology tie ups, membership of following research consortiums for year 2015-16 were renewed

- Membership of Process Science Technology Center, an industry-academia collaborative research program initiated by University of Texas, USA
- Membership of Fractionation Research Incorporated, a non-profit cooperative research organization based at Oklahoma, USA
- Membership of Process Integration Research Consortium of University of Manchester UK

Patents filed/granted

Based on innovative work done during the year, the following five patents have been filed

- Apparatus for low pressure H₂S absorption and process for the same (provisional)
- Apparatus and method for removal of sulphur-containing impurities (provisional)
- A process for recovering hydrogen from off Gas stream and a system thereof.
- Low pressure process for recovering H₂S from Claus tail gas and a system for absorbing H₂S.
- System for gas-liquid distribution on a catalyst bed in a trickle bed reactor.
- One patent filed earlier was granted this year:
- Patent No 269940 Dated 19-11-2015: Novel distributor tray for Trickle Bed Reactor

9.10. Transportation Equipment

9.10.1 Hindustan Aeronautics Limited.

Hindustan Aeronautics Limited is a Navratna CPSE engaged in Design, Development, Production, Overhaul and Upgrade of military aircraft, trainers and helicopters. It has 11 R&D Centers and 20 production Divisions engaged in projects like Su-30 MKI, Light Combat Aircraft (LCA), Hindustan Turboprop Trainer (HTT-40), Hawk, Dornier-228, Advanced Light Helicopter (ALH), Light Combat Helicopter (LCH), Light Utility Helicopter (LUH), Fifth Generation Fighter Aircraft (FGFA) etc. The R&D Centers are continuously engaged in increasing indigenous content as well as introducing new technologies.

R&D Centres are engaged in Design & Development of Aircraft, Helicopters, and Upgrades on aircraft / helicopters, Mission Combat Systems, Engine test beds and small engines, aircraft communication & navigation systems and mechanical system accessories. The R&D Centres are equipped with modern facilities, backed by competent engineers and designers having vast experience in requisite disciplines of aeronautics. R&D centres are strategically located across the Country in Bangalore, Hyderabad, Lucknow, Kanpur, Korwa, Nasik and Koraput.

Some of the R&D initiatives/activities under taken during 2015-16 are highlighted below:

- ALH, a multi-role, multi mission machine helicopter indigenously built by HAL is designed to meet the ruggedized requirements of Indian Armed Services. Initial Operation Clearance (IOC) for ALH Mk-IV IAF variant accorded by Regional Centre For Military Airworthiness (Helicopters) on 2nd December 2015.
- A basic trainer Aircraft, HTT-40 is being indigenously developed by HAL. Design has been frozen and first Prototype rolled out in January 2016.
- LCH is being designed to fit into an anti-infantry and anti-armour role and will be able to operate at high altitudes. It has a maximum weight of 5.5 tonnes, and has a service ceiling of 6,500 meters. Basic configuration has been frozen in October 2015 after completion of performance trials.
- LUH is a 2-3 ton weight class helicopter designed to serve as reconnaissance helicopter with high end technology and to meet the specific high altitude payload requirements. Ground Test Vehicle (GTV) run with Arden 1U engine commenced in December 2015. Equipping of first prototype has been completed.
- HAL has undertaken indigenous development of Mini UAV of 8 kg class for surveillance and reconnaissance applications. Autonomous flight testing on Technology Demonstrator

(TD) completed with testing of fail-safe modes of 'returning home' when there is 'Link Loss' or 'Critical Battery Voltage'. Maiden flight of first Prototype has been carried out successfully.

- HAL had taken initiative to develop indigenous 25 KN Hindustan Turbo Fan Engine (HTFE-25) at Aero Engine Research and Design Centre (AERDC), Bangalore. There is no indigenous gas turbine engine of this class currently in the country. The Core engine was built and successfully run on the test bed in December 2015. This engine is suitable for Business Jets and Basic Trainers.
- HAL had decided to develop indigenous 1200 KW Hindustan Turboshift Engine (HTSE-1200) at AERDC, Bangalore. Detailed layout of the engine was successfully completed during the year 2015-16. This engine is suitable for 3-6 ton category of Helicopters.
- Indigenously Designed and Developed Gas Turbine Electrical Generator for starting AI-20D engine of AN-32 aircraft successfully demonstrated on engine test bed at 3BRD, Chandigarh.
- Soft-Net Radio SDR2010 transceiver, state of the art, 2 channels Software Defined Radio operating in V/UHF (30-406 MHz) and L-Band (960-1240MHz) indigenously developed by HAL SLRDC, Hyderabad has been integrated on board HS-748 Avro aircraft and successfully completed ground integration and flight trials.
- As part of requirement of European Aviation Safety Agency (EASA) certification for ALH, helicopter noise measurement flight trials were carried out at Mysuru airport in May 2015 in compliance with the International Civil Aviation Organisation (ICAO). EASA witnessed the entire flight test and preliminary analysis of the recorded noise data, weather parameters and the aircraft parameters shows that the noise levels are within the acceptable limits specified by ICAO for ALH. Five phases (out of eight phases) have been closed by EASA. More than

80% of the work has been completed towards EASA certification.

- Mission Combat Systems Research and Design Centre (MCSRDC), HAL has successfully integrated “Air to Sea Anti-Ship Missile” for Indian Air Force on Jaguar maritime aircraft. The missile firing was carried out on 14May 2015 and the missile hit the target positioned offshore of Goa.
- HAL and BEL signed an MoU on 4th June 2015 to share their expertise in Design, Development, Engineering and Manufacturing for advanced airborne communication equipment to meet the requirement of the Defence Services.
- HAL signed an MoU with BAe Systems UK in May 2015 for development of Combat Hawk for Indian and export markets.
- HAL has established Chairs at following premier institutions in outlined fields:
 - IIT Kanpur — Rotary UAV design
 - IIT Kharagpur — Electronic Warfare Systems
 - IIT Roorkee — Aerospace Systems
 - IIT Bombay — Communication Systems
 - IIT Madras — Aerospace Systems
- During the year, 171 IPR applications have been filed. A total of 224 IPR applications have been published so far. During the year 20 IP[₹] have been granted taking cumulative IP[₹] held by the organization to 30.

9.10.2 BEML Ltd.

The Company has launched the following new products to expand the product basket & increase the market share:

Mining & Construction:

- Designed, Developed and Rolled out Compact Loader cum Excavator BL120H for construction Sector.
- Designed, Developed and Rolled out 117HP Dozer BD50 with Hydrostatic Transmission.

Defence:

- BEML Limited has Designed and Developed SMERCH 8x8 & 10x10 High Mobility Vehicle with additional steerable rear wheel.

Rail & Metro:

- Designed, Developed & Supplied Catenary Maintenance Vehicle for Navi Mumbai Metro Corporation.

The equipments designed and developed by R&D and launched in the last two years like BD65-1 Dozer, BD155-1 Dozer, BH60M Dump Truck with ABS & ASR features, BE220G Excavator, BL9H Loader with BS — III compliant engine, BG605I Motor Grader, Metro cars for Delhi Metro and 8 wheeler OMV for Hyderabad & Chennai Metro have been successfully introduced into the Market and started yielding business.

9.10.3 Cochin Shipyard Limited

R&D policy of CSL is to enhance the company's pre eminence in Shipbuilding, Ship repair and other chosen fields and products through Research and Development. In house R&D activities have been undertaken during the year 2015-16 in the areas of Duplex Stainless steel (DSS) welding as below.

Capability development of Duplex steel (SS 31803) welding in Submerged Arc Welding Process(SAW) process by Development of Welding Procedure specification (WPS) and qualifying 5 welders for the process.

Capability development of Duplex steel (SS 31803) welding in GMAW process by Development of Welding Procedure Specification (WPS) and qualifying 5 welders for the process.

Duplex stainless steel (DSS) has a two phase microstructure with equal mixture of ferrite and austenite phases. These DSS are about twice as strong as regular austenite stainless steel. This unique property of high strength by weight ratio helps in saving the weight. It has good stress corrosion resistance properties. These type of

steels are extensively used in Chemical tanker construction. The projects have been undertaken as part of developing capability for Chemical tanker construction by Yard for which the tanks are fabricated of Duplex stainless steel.

9.10.4 Goa Shipyard Limited

As part of R&D Initiatives GSL has indigenously developed several designs of cost effective patrol vessels for Indian Navy and Coast Guard. Further to above GSLs FPV and improvised OPV catering specific needs of foreign customer are already under execution for export. These initiatives of R&D at GSL have saved the country considerable amount of foreign exchange and helped towards self-reliance. GSL has been recognized as an in house R&D unit by the Dept. of Scientific and Industrial Research. GSL is the only shipyard to have been accorded this recognition. The recognition has been further extended up to 2021.

As part of GSLs initiative to be **market ready for future** the following Design and Development activities are in progress:-

- i. 29 M 40 Knots Interceptor Boat
- ii. 72M Shallow Water Platform for Anti Submarine Warfare application
- iii. 75M Patrol Vessel
- iv. 105 to110M Multi Mission Missile Capable OPV
- v. Improvisation of 105M OPV design for improving fuel efficiency and additions of more features.
- vi. Development of Design for HSV

9.10.5 Hindustan Shipyard Ltd

HSL has been recognized as in-house R&D unit for its design efforts, by Department of Scientific & Industrial Research (DSIR), Ministry of Science & Technology (Letter of recognition and certification of registration have been issued by DSIR on 30 Mar 2016).

The proven design available for vessels viz. IPVs, Tugs and OPVs is the outcome of HSL's in-house R&D efforts w.r.t conceptualization of owner's

requirement, development of functional design incorporating rules and regulations of classification societies and statutory bodies and detailed engineering to enable production/ construction.

In anticipation of the requirement of state-of-the-art resources for taking on the complex design support for the assured orders for FSS, SOVs and LPDs, the yard has been upgraded in the recent past with sufficient number of licenses for Aveva Marine as well as for Auto CAD Mechanical under modernisation program. With these tools, HSL has mastered the art of producing composite drawings which would enable adoption of integrated modular construction methodology with a high level of pre-outfitting of blocks & modules. Procurement of a suitable PLM system that can be seamlessly integrated with the CAD/CAE database is presently being examined.

In the year 2015-16, the company has spent ₹3.67 Cr towards procurement of T-drill make pipe flanging and branching machines, which enhanced the production rate by way of eliminating conventional methods of forming flanges & T joints. Water jet ducts which were developed in-house as import substitutes were fabricated and installed on-board ICGS Rani Durgavati, an Inshore Patrol Vessel, constructed by HSL.

Collaborative R&D initiatives

1. **VC11184.** HSL has entered into collaboration with M/s Viksandvik for design of VC11184 which involve critical Naval Systems.
2. **Medium Refit cum Modernisation.** Many technical issues were resolved using indigenous expertise during the refit of INS Sindhukirti. During trials, the Regime Selector Panel of the hydraulic system was found malfunctioning. Procurement of new Regime Selector Panel from Russia involved long lead time and could have adversely affected STW&TRIALS. M/s Lotus Wireless, Visakhapatnam was identified and information regarding functioning of the Regime Selector Panel and its interface with the hydraulic system & pallady was discussed. After detailed study, M/s Lotus

Wireless designed & manufactured a micro-processor based Regime Selector Panel in lieu of original relay based panel. Panel was subjected to extensive trials onboard and found satisfactory. Indigenous development of the item by M/s Lotus Wireless saved precious foreign exchange and time.

3. **Up-gradation of Slipways.** Discussions are in hand with Indian Maritime University seeking their collaboration in assessing the present condition of the slipways and carry out a feasibility study for construction of LPDs in the slipways with suitable modification / up-gradation / renovation.

9.10.6 Mazagaon Docks Limited (MDL)

MDL has taken the following steps for contributing towards Research & Development activities in 2015-2016:

1. **Shore Integration Facility (SIF):** Shore Integration Facility (SIF) for Ship building division is established to provide an environment ensuring the integrity of the equipment through its life cycle. The SIF is a complete representation of onboard conditions, wherein real equipment, same cables and same connectors have been used. Development of SIF included Design & Development of infrastructure, placement of order for electrical work & shelter civil work, procurement of cables/connectors etc.
2. **HVAC layouts in 3D environment:** The scope of working context was the definition of duct sections, setting of the duct attributes and generation of duct layouts made element by element. Modular A/C equipment ordered on Axima, pre-wired and pre-piped, can be visualised in the 3D compartment layouts. HVAC design is fully integrated with the rest of the disciplines and ensures consistency of the information in order to avoid interference in the design.
3. **Ergonomics in Ship Detailed Design:** Ergonomic enhancement in 5 compartments of Yard 703 is implemented as per the recommendations from National Institute of Design.
4. **Virtual Reality Lab (VR Lab):** Technology adaptation for warship design optimisation by leveraging virtual reality laboratory. The Line Out

Inspection (LOI) is a crucial stage in the construction phase as outfitting consumes almost 80% time of the overall construction period of the ship. The VR lab helped MDL to save substantial time on P15B, increasing the rate of LOI of compartments to an average of 22 per month from 8 per month. The 3D cross check that happen prior to the actual execution of the work allows sufficient number of iteration in the virtual environment thus enhancing the quality of layouts, ergonomic enhancements, better the features.

5. **CFD Analysis:** CFD analysis for external flow visualisations on plated mast structure for EOD camera and plume analysis is completed successfully.

6. **Modelling of Pilot Mega Block:** 3D CAD modelling of Block 01 consists of 3 units as pilot Mega block is already completed in Aveva Marine software. This venture facilitated to envisage the efforts involved in modelling mega blocks for modular construction, removal of green material, provision of shrinkage allowance at unit level and mega block level & benefits at the stage of fabrication and erection process.

9.10.7. Shipping Corporation of India Limited

The activities/projects warranting Research and Development are undertaken externally by shipyards, institutes engaged in the areas of marine engineering / naval architecture, Classification Societies, International Maritime Organisation (IMO) etc. and, the results of their R&D work are incorporated as per international requirements/conventions on a regular 'on-going' basis in the specifications of the ships that are ordered by SCI to be built at shipyards. In other words, SCI makes commercial use of the R&D carried out externally. The scale and nature of further R&D, which is as per global shipping / maritime standards would be prohibitive for SCI in terms of both cost and time, and would not yield desired benefits.

However, activities in the nature of R&D are being undertaken continually by SCI across various areas. For new vessel acquisitions, apart from plan approval, ship construction supervision, a model test of the hull form is undertaken for optimization

of design during the basic design stage of the vessel, where behavioral patterns of resistance, speed and propulsion are ascertained. Though SCI does not directly design the vessels, these model tests are witnessed by SCI Officers and calculations submitted are evaluated and validated. This validation process enables valuable insights to the SCI as also the ship designer for making improvements. The Ship Building & Services Department keeps abreast of the latest developments in this field through scientific journals and books. As part of structural design, the designer does the scantling calculations (indicative of the type and size of member to be used at a location) which are submitted to the Class and Owner. SCI independently evaluates and validates the accuracy of the submitted calculations and correctness of the choice made with the members and its observations/inputs are provided to the designer. These calculations are checked based on the rules of various classification societies and past experience and facilitate improvisations.

Propeller design validation for passenger vessels was recently carried out which led to important observations/insights on selection of reduction gearbox and its optimum RPM. A case study was also conducted for ascertaining the feasibility of using Dual fuel (MDO+LNG) engines onboard passenger vessels and assessing the suitability of containment system for the same out of available types.

Additionally, SCI undertakes regular review of Statutory Rules, Class Rules and Standards such as Bureau of Indian Standards (BIS) etc. provides its feedback/inputs to respective agencies.

SCI also enabled these activities in 2015-16 viz. facilitating experimentation of combustion catalyst to improve fuel efficiency on board SCI vessel and implemented application of energy audit on 2 vessels (a Panamax Bulk Carrier and an LR tanker). Both these activities are expected to lead to fuel savings, emission reduction, engine efficiency and lesser breakdowns ultimately resulting in reduction in maintenance and operating costs.”

9.11 Consumer Goods & Others

9.11.1 Artificial Limbs Manufacturing Corporation of India (ALIMCO)

ALIMCO manufactures a wide range of assistive devices for Orthopedically, Visually; Hearing and Mentally Impaired, under one roof in mass scale and majority of products bear ISI Marking. R&D activities in ALIMCO are primarily focused on product development and process improvement with a view to provide low cost, better technology product to disable. The design of products is constantly updated to maintain optimum efficiency level and to ensure high level of customer satisfaction. The following R&D activities were made during the financial year 2015-16

1. Following product has been developed by ALIMCO during the year 2015-16

HONDA ACTIVA 3G SCOOTY WITH RETRO FITMENT KIT

This Retro Fitment Kit can be easily fitted to Scooty and can be repaired by any local Mechanic and it provide very comfortable ride to physically challenged person on plain road as well as in hilly areas.

TVS PEP+ SCOOTY WITH RETRO FITMENT KIT

This Retro Fitment Kit can be easily fitted to Scooty and can be repaired by any local Mechanic and it provide very comfortable ride to physically challenged person on plain road as well as in hilly areas.

TVS0 WEGO SCOOTY WITH RETRO FITMENT KIT

This Retro Fitment Kit can be easily fitted to Scooty and can be repaired by any local Mechanic and it provide very comfortable ride to physically challenged person on plain road as well as in hilly areas.

WALKER FOLDABLE (MS)

It is foldable walker and very comfortable for orthopedically impaired user and also can be easily

carried out from one place to another.

WALKER FOLDABLE (AL)

It is foldable walker and very comfortable for orthopedically impaired user and also can be easily carried out from one place to another.

2. The benefit derived like product improvement, cost reduction, production development or import substitution: -

Improvement done in the following products: -

- (a) Introduction Parking Brakes on right sides to steady the Battery Operated Motorized Tricycle.
- (b) Introduced stand for holding the Crutched & Sticks in the Battery Operated Motorized Tricycle.
- (c) Replaced with heavy duty Front Castor Wheel in the Joy Stick Wheel Chair to increase the strength.

3. The following efforts were made towards technology absorptions

- (a) The details of technology imported — Above Knee & Below Knee Prosthesis kit From OttoBock HealthCare, Germany
- (b) The year of import — 2015-2016
- (c) Whether the technology been fully absorbed - Partially absorbed

9.12 Contract & Constructions Services, and Technical Consultancy

9.12.1. NBCC

NBCC has associated itself with various IITs to carry out research work sponsored by NBCC on the following topics:

➤ IIT Delhi :

• Sustainable Construction and Reduction of Water Consumption in construction:

The requirement of water for construction activities is huge and at present, the ground water levels are getting depleted due to continuous drawl of water from bores for construction purposes. With this background, NBCC has sponsored research on

“Reduction of water consumption in construction for sustainable development” to IIT Delhi.

In the final report delivered to the NBCC R&D committee, the Principal Investigator briefed the research findings as below:

Some of the viable methods identified and checked for reducing water consumption in construction were suggested as under:

- Use of commercially available curing compounds.
- Use of internal and self-curing techniques in lieu of conventional external curing.
- Use of wash water from batching plants and trucks for concrete mixing.
- Use of treated waste water from STP's for mixing and curing operations.

Results on the adaptability of self-curing and internal curing regimes for normal concrete using Super Absorbent Polymer (SAP) and Poly-Ethylene Glycol (PEG) were also discussed.

The Research has come up with appreciable findings and has also been published in India Concrete Journal. It is also likely that the research will find its way in other reputed Journals too.

• Risk Management- Identification, Evaluation and strategic Management of Risks in Infrastructure Projects in India:

NBCC is undertaking number of Infrastructure projects and the objective of the projects is to:

- Identify various risks involved in infrastructure projects, their complexity, chances and frequency of their occurrence and their impact.
 - To develop a comprehensive risk management model for infrastructure projects.
- #### • Development of the Transfer Operate Transfer (TOT) Framework for facility management:

In the final report delivered to the NBCC R&D committee, the Principal Investigator presented research findings which included the

development of the O&M model for NBCC East Kidwai Nagar project based on the concept of value for money (VFM), scenario analysis due to delay in construction of EKN project and its effect on NBCC's profitability. Further, its impact on finances and profitability has been done and some key points/ recommendations were also presented.

➤ **IIT Chennai :**

• **Study on Economizing of Pre-Fabricated Structures**

The Study on economizing of prefabricated structures deals with using various forms of structural elements such as MS, cold formed steel or Aluminium structural element along with light weight concrete panels with proper fastening techniques for quick construction at sites. It is economical and meets the strength characteristics.

➤ **IIT Roorkee :**

• **Study on Mechanical Properties of Nano-Silica based High Performance Concrete (HPC):**

The main aim of the project is to establish the mix design, construction procedures and mechanical properties of nano-silica based high performance concrete.

NBCC has sponsored three Research Projects for implementation namely:-

- **Recycled Demolition Waste:** Use of recycled concrete as aggregates and the possibility of reuse of the entire demolition waste namely, concrete, masonry, steel, wood etc. will be investigated.
- **Agriculture Waste based Accelerator:** The proposed research for development of Agriculture Waste based Accelerator for Enhanced Concrete Hardening is expected to develop a cost effective hardening agent for concrete in order to accelerate the speed of concrete construction.
- **Use of Modular Steel/Precast Concrete:** A

study to investigate the use of modular steel/ precast concrete construction in Buildings with an aim of achieving faster construction, Lecture Hall Complex at IIT Roorkee has been taken up and is being designed in modular steel construction and a comparison shall be made with the conventional RCC framed construction in terms of initial cost, time of construction and life cycle cost.

9.12.2. Biotechnology Industry Research Assistance Council (BIRAC)

BIRAC is supporting research and development towards affordable product development and the following have resulted through BIRAC funding during 2015-16:

Products/ Technologies: 07, Early stage technologies: 10, IP Generated: 08

9.13 Agriculture

9.13.1 National Seeds Corporation Limited (NSC)

In the year 2015-16, the R&D activities undertaken by NSC was, 'Testing markers for genetic purity testing of hybrid Paddy and hybrid pulse (Pigeon pea).

Molecular markers developed by ICAR/SAUs have been identified to test genetic purity in selected hybrid(s) of Paddy and Pulse (Pigeon pea).

Hybrid Paddy: CORH-3:- Fourteen random SSR primers were screened to test the genetic purity in hybrid Paddy CORH3.

Hybrid Pulse :Pigeon pea (ICPH-2671):- Sixteen random SSR primers were screened to test the genetic purity in hybrid Pulse, Pigeon pea ICPH-2671.

Chapter 10

Mega & Major Projects under Implementation

Ministry of Statistics and Programme Implementation (MoSPI) is monitoring public sector projects costing ₹ 150 crore and above. It also publishes Project Implementation Status Report of central sector projects costing ₹ 150 crore and above and flash reports of Mega projects costing ₹1000 crore and above. The chapter has been compiled based on reports for the month of March, 2016.

As on 31.3.2016, there were 1076 projects under implementation in the central sector, out of which 278 projects were Mega projects (each costing ₹1,000 crore and above) and 798 were Major projects (each costing between ₹500 crore and ₹1000 crore). The total anticipated cost of these 1076 projects is ₹13,93,628 crore and the total expenditure incurred on them till 31.03.2016 stands at ₹ 5,75,678 crore, which was 41.31% of the total anticipated cost of these projects.

Sector wise status of Mega and Major projects of CPSEs based on report for the month of March 2016 published by Ministry of Statistical and Project Monitoring Division (MoSPI), is summarized in the paragraphs below.

10.1 Atomic Energy

The total original cost of the 4 projects in the Atomic energy sector is ₹40,442 crore and the anticipated completion cost at ₹51,918 crore, indicating a cost over run of 28.38%. The expenditure incurred on these projects till March, 2016 was ₹40,350 crore, which was 99.77% of the original cost. These projects belonged to the Bhavini Limited and Nuclear Power Corporation of India Limited. Details of projects as under:-

10.1.1 Bharatiya Vidyut Nigam Ltd. (Bhavini Ltd.)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	Cost Original (₹ Crs)	Cost Anticipated (₹ Crs)	Physical Progress (%)
PROTOTYPE FAST BREEDER REACTOR (BHAVINI, 500 MWE)	09/2003	09/2010	09/2016	3492.00	5677.00	97.64

10.1.2 Nuclear Power Corporation of India Limited (NPCL)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	Cost Original (₹ Crs)	Cost Anticipated (₹ Crs)	Physical Progress (%)
KAKRAPAR ATOMIC POWER PROJECT - 3 AND 4	10/2009	12/2015	10/2018	11459.00	11459.00	74.20
KUDANKULAM APP (NPCIL)	12/2001	12/2008	05/2016	13171.00	22462.00	99.51
RAJASTHAN ATOMIC POWER PROJECT - 7 AND 8 (2X700 MW)	10/2009	12/2016	12/2019	12320.00	12320.00	59.80

10.2 Civil Aviation

The total original cost of 4 projects in the Civil Aviation sector costing ₹150 crore and above

stood at ₹11,77.28 crore and the anticipated completion cost at ₹11,86.17 crore, indicating a cost over run of 0.75%. The expenditure incurred on these projects till March 2016 was ₹784.73 crore

which was 66.66% of the original cost. These projects belonged to the Airport Authority of India

Limited. Details of the projects costing above ₹ 150 crore are as under:

10.2.1 Airport Authority of India Limited (AAI)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	Cost Original (₹ Crs)	Cost Anticipated (₹ Crs)	Physical Progress (%)
SUPPLY OF 56 NOS AIRFIELD FIRE TENDERS AT VARIOUS AIRPORTS	10/2012	03/2015	09/2015	217.60	244.10	0.00
CONSTRUCTION OF NEW AIRPORT AT PAKYONG(SIKKIM) AIRPORT	01/2009	01/2011	09/2017	309.46	309.46	0.00
CONSTRUCTION OF NEW INTEGRATED TERMINAL BUILDING AT VSI AIRPORT, PORTBLAIR	10/2013	09/2018	09/2018	314.61	314.61	0.00
CONSTRUCTION OF NEW INTERNATIONAL TERMINAL BUILDING(GOA)	05/2010	05/2012	03/2015	335.61	318.00	100.00

10.3 Coal

The total original cost of implementation of the 88 projects (costing ₹ 150 crore and above) stood at ₹ 60,724.30 crore and the anticipated completion cost at ₹ 61,837.03 crore, which is 1.83% more than the original cost. The expenditure incurred on these projects till March 2016 was ₹ 14,400.83 crore

which was 23.71% of original cost.

These projects belonged to the Bharat Coking Coal Limited, Eastern Coal Fields Limited, Mahanadi Coal Fields Limited, Neyveli Lignite Corporation, Northern Coal Fields Limited, and South-Eastern Coal Fields Limited etc. Details of the 13 projects costing above ₹ 1,000 crore pertaining to above CPSEs are given as under:

10.3.1 Bharat Coking Coal Limited (BCCL)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	Cost Original (₹ Crs)	Cost Anticipated (₹ Crs)	Physical Progress (%)
MOONIDIH XV SEAM UG	08/2011	04/2015	04/2019	1230.27	1230.27	0.00

10.3.2 Eastern Coalfields Limited(ECL)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	Cost Original (₹ Crs)	Cost Anticipated (₹ Crs)	Physical Progress (%)
SONEPUR BAZARI (COMB) OCP (8.0 MTY)	08/2012	03/2018	07/2018	1055.05	1055.05	61.00

10.3.3 Mahanadi Coalfields Limited(MCL)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	Cost Original (₹ Crs)	Cost Anticipated (₹ Crs)	Physical Progress (%)
GARJANBAHAL OCP	11/2014	03/2021	03/2021	1375.38	1375.38	31.00
SIARMAL OCP (40.00MTY)	05/2014	03/2026	03/2026	3756.36	3756.36	27.00

10.3.4 Northern Coalfields Limited (NCL)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	Cost Original (₹ Crs)	Cost Anticipated (₹ Crs)	Physical Progress (%)
AMLOHRI EPR (NCL) (6 MTY , INCR.)	12/2009	03/2016	03/2016	1352.04	1143.54	0.00
KHADIA EXPANSION OPENCAST PROJECT(4 TO 10 MTPA,6MTPA INCREMENTAL)	06/2011	03/2018	03/2018	1131.28	1131.28	0.00

10.3.5 Neyveli Lignite Corporation (NLC)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	Cost Original (₹ Crs)	Cost Anticipated (₹ Crs)	Physical Progress (%)
NEYVELI NEW THERMAL POWER PROJECT(2X500 MW)	06/2011	12/2015	04/2018	5907.11	5907.11	22.39
EXTENSION OF MINE -1(LEASE AREA) AND MINE-1A (3.0 TO 7.0 MTPA)	04/2013	06/2015	08/2019	1458.17	1458.17	34.30

10.3.6 South-Eastern Coal Fields Limited (SECL)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	Cost Original (₹ Crs)	Cost Anticipated (₹ Crs)	Physical Progress (%)
MADAN NAGAR OPEN CAST PROJECT	10/2015	03/2024	03/2014	1875.32	1875.32	0.00
RAMPUR BATURA OCP(4.0 MTY)	08/2015	03/2023	03/2023	1186.64	1186.64	0.00
GEVRA EXPANSION OCP (SECL) (25-35) MTY	06/2010	03/2014	03/2016	2675.67	2675.67	0.00
KUSMUNDA EXPN.OCP(SECL)(15-50)MTY	08/2013	03/2023	03/2023	7612.33	7612.33	37.00
PELMA OCP(15.00MTY)	11/2014	03/2023	03/2023	1624.59	1624.59	20.00

10.4 Steel

There were 33 projects in the Steel sector costing ₹150 crore and above under implementation by HSCL, NMDC, RINL and SAIL as on 31.3.2016. The total original cost of implementation of these projects stood at ₹53,712.21 crore and the anticipated completion cost at ₹54,241.65 crore

which is 0.99 % more than the original. The expenditure incurred on these projects till March 2016 was ₹30,793.35 crore which was 57.33 % of the original cost. The details of the 7 projects costing above ₹1,000 crore are given below:

10.4.1 National Mineral Development Corporation (NMDC)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	Cost Original (₹ Crs)	Cost Anticipated (₹ Crs)	Physical Progress (%)
NMDC INTEGRATED STEEL PLANT	01/2010	05/2015	12/2016	15525.00	15525.00	0.00

10.4.2 Steel Authority of India (SAIL)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	COST Original (₹ Crs)	COST Anticipated (₹ Crs)	Physical Progress (%)
EXPANSION OF BHILAI STEEL PLANT	08/2010	03/2013	11/2016	17265.00	17265.00	0.00
EXPANSION OF GUA ORE MINES WITH BENEFICATION FACILITIES AND INSTALLATION OF PALLET PLANT	02/2014	09/2017	N.A	4749.00	4749.00	0.00
INSTALLATION OF NEW HOT STRIP MILL AT RSP	04/2015	04/2018	04/2018	3127.30	3127.30	0.00
MORDERNISATION OF STEEL MELTING SHOP NO. 1 AT BOKARRO STEEL PLANT	05/2015	12/2017	12/2017	1154.18	1154.18	-
NEW SINTER PLANT AT BOKARO STEEL PLANT	03/2015	10/2017	10/2017	1034.01	1034.01	-

10.4.3 Hindustan Steelworks Construction Limited (HSCL)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	COST Original (₹ Crs)	COST Anticipated (₹ Crs)	Physical Progress (%)
CONSTRUCTION OF MEDICAL COLLEGE AND HOSPITAL AT GULBARGA	05/2005	02/2014	03/2016	768.88	1070.97	-

10.5 Petrochemicals

There was 1 project in the Petrochemicals sector under implementation as on 31.3.2016. The total original cost of implementation of this project stood at ₹5,460.61 crore and the anticipated completion cost at ₹9,965.00 crore which is 82.49% more than the original cost. The expenditure incurred on this

project till March 2016 was ₹9,356.28 crore which was 171.34% of the original cost. This project belonged to Brahmaputra Cracker & Polymer Limited (BCPL), details of which are as under:

10.5.1 Brahmaputra Cracker & Polymer Limited (BCPL)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	COST Original (₹ Crs)	COST Anticipated (₹ Crs)	Physical Progress (%)
ASSAM GAS CRACKER PROJECT	04/2006	04/2012	12/2015	5460.61	9965.00	99.90

10.6 Petroleum

There were 68 projects in the Petroleum sector costing ₹ 150 crore and above being implemented by BPCL, GAIL, HPCL, IOCL, CPCL, NRL, ONGC and OIL as on 31.3.2016. The total original cost of these projects stood at ₹ 1,08,058.21 crore and the anticipated completion cost was ₹ 1,11,974.00 crore which was 3.62 % more than the original cost. The expenditure incurred on these projects till March 2016 is ₹ 40,449.61 crore which is 37.43% of the original cost. The details of the 27 projects costing above ₹ 1,000 crore are given as under:

10.6.1 Gas Authority of India Limited (GAIL)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	COST Original (₹ Crs)	COST Anticipated (₹ Crs)	Physical Progress (%)
KOCHI-KOOTANAD BANGALORE MANGALORE PIPELINE PROJECT	06/2009	12/2012	12/2019	2915.00	2915.00	82.62
PHUPLUR HALDA PIPELINE PROJECT PHASE-1	07/2009	01/2013	12/2018	3957.00	3561.00	10.00

10.6.2 Numaligarh Refinery Limited (NRL)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	COST Original (₹ Crs)	COST Anticipated (₹ Crs)	Physical Progress (%)
DIESEL HYDROREACTOR	07/2015	01/2018	01/2018	1031.37	1031.37	12.30

10.6.3 Chennai Petro Corporation Limited (CPCL)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	COST Original (₹ Crs)	COST Anticipated (₹ Crs)	Physical Progress (%)
RESID UPGRADATION PROJECT	03/2013	11/2015	11/2016	3110.36	3110.36	77.92

10.6.4 Oil & Natural Gas Corporation Limited (ONGC)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	COST Original (₹ Crs)	COST Anticipated (₹ Crs)	Physical Progress (%)
DAMAN DEVELOPMENT PROJECT	08/2014	05/2019	03/2020	6086.08	6086.08	44.53
MUMBAI HIGH SOUTH (MHS) REDEVELOPMENT PHASE-III	11/2014	04/2019	03/2019	6068.80	6068.80	18.49

MH NORTH REDEVELOPMENT PHASE III	06/2014	05/2017	05/2017	5706.47	5813.25	91.98
ENHANCED RECOVERY FROM BASSEIN FIELD THROUGH INTEGRATED DEVELOPMENT OF MUKTA, BASSEIN AND PANNA FORM	01/2015	12/2017	12/2017	4619.94	4619.94	16.48
INTEGRATED DEVELOPMENT OF VASHISTA AND S-1 FIELDS	05/2013	04/2016	12/2017	4124.35	4124.35	0.00
LIFE EXTENSION OF WALL PLATFORMS OF MUMBAI HIGH AND HEERA FIELDS	12/2015	04/2018	04/2018	3190.69	3190.69	0.00
NEELAM REDEVELOPMENT PLAN FOR EXPLOITATION OF BASSEIN AND MUKTA PAY	08/2015	03/2019	03/2019	2818.88	2818.88	0.00
INTEGRATED DEVELOPMENT OF B-127 FIELDS	12/2011	03/2015	06/2017	2059.63	2665.65	48.71
DEVELOPMENT OF C-26 CLUSTER FIELDS	03/2012	05/2014	03/2017	2592.17	2592.17	66.38
ADDITIONAL DEVELOPMENT OF VASAI EAST FIELD	03/2014	12/2018	12/2018	2476.82	2476.82	96.11
ASSAM RENEWAL PROJECT FOR GROUP A	03/2009	03/2013	03/2017	2465.15	2378.89	92.29
PIPELINE REPLACEMENT PROJECT -4	02/2015	05/2017	05/2017	2899.93	2098.43	50.78
GAMJI REDEVELOPMENT PROJECT	05/2015	11/2019	11/2019	1671.22	1881.22	0.00
CONVERSION OF RIG SAGAR SAMRAT TO MOBILE OFFSHORE PRODUCTION UNIT(MOPS)	03/2011	05/2013	12/2016	861.79	1256.72	93.92

10.6.5 Indian Oil Corporation Limited (IOCL)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	COST Original (₹ Crs)	COST Anticipated (₹ Crs)	Physical Progress (%)
AUGMENTATION OF PARADIP-HALDIA-DURGAPUR LPG PIPELINE AND ITS EXTENSION UPTO PATNA AND MUZAFFARPUR	01/2015	N.A.	N.A.	1823.00	1823.00	2.50
DE-BOTTLENECKING OF SMPL	12/2009	08/2015	06/2016	1584.00	1584.00	91.60
DISTILLATE YIELD IMPROVEMENT PROJECT (COKER) AT HALDIA REFINERY	03/2014	09/2017	12/2017	3076.00	3076.00	17.20
PARADIP HYDERABAD PIPELINE	01/2015	N.A.	N.A.	2321.00	2321.00	3.00
PARADIP-RAIPUR- RANCHI PIPELINE	08/2009	09/2012	06/2016	1793.00	1793.00	89.90
POLYPROPYLENE PLANT AT PARADIP REFINERY	03/2014	09/2017	09/2017	3150.00	3150.00	15.20

10.6.6 Oil India Limited (OIL)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	COST Original (₹ Crs)	COST Anticipated (₹ Crs)	Physical Progress (%)
UPGRADATION OF CRUDE OIL PUMP STATIONS OF NAHARKATIYA-BARAUNI CRUDE OIL TRUNK PIPELINE	09/2012	03/2015	08/2016	871.35	1200.00	93.00

10.6.7 Bharat Petroleum Corporation Limited (BPCL)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	COST Original (₹ Crs)	COST Anticipated (₹ Crs)	Physical Progress (%)
INTEGRATED REFINERY EXPANSION PROJECT	03/2012	05/2016	05/2016	14225.00	16504.00	94.62
INSTALLATION OF DIESEL HYDRO TREATMENT UNIT (DHT) AND ASSOCIATED FACILITIES	05/2015	12/2017	12/2017	2443.00	2443.00	35.20

10.7 Power

There were 111 projects in power sector costing ₹ 150 crore and above were under implementation as on 31.3.2016 whose total original cost of implementation stood at ₹3,04,580.02 crore. The anticipated completion cost is ₹3,54,153.57 crore

which is 16.28% more than the original cost. The expenditure incurred on these projects till March 2016 was ₹1,92,162.73 crore which was 63.09% of the original cost. The details of the 60 projects pertaining to 5 CPSEs, costing above ₹1,000 crore are given as under:

10.7.1 North Eastern Electric Power Corporation Limited (NEEPCO)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	COST Original (₹Crs)	COST Anticipated (₹Crs)	Physical Progress (%)
KAMENG HYDROELECTRIC PROJECT (NEEPCO)	12/2004	12/2009	07/2016	2496.90	6179.96	74.03
PARE HYDRO ELECTRIC PROJECT	12/2008	08/2013	07/2016	573.99	1262.27	91.97
TUIRIAL HYDRO ELECTRIC PROJECT	07/1998	07/2006	10/2016	368.72	1381.71	72.77
TRIPURA GAS BASED POWER PROJECT	07/2009	07/2013	01/2016	421.01	1007.57	97.81

10.7.2 National Hydro-Electric Power Corporation (NHPC)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	COST Original (₹ Crs)	COST Anticipated (₹ Crs)	Physical Progress (%)
KISHANGANGA HEP (3X110 MW)	01/2009	01/2016	11/2016	3642.04	5751.47	0.00
PARBATI HEP (4X200 MW) (NHPC) II	09/2002	09/2009	12/2018	3919.59	8398.76	0.00
SUBANSIRI LOWER H.E.P (8X250 MW) (NHPC)	09/2003	09/2010	N.A.	6285.33	18063.89	0.00
TEESTA LOW DAM HEP, STAGE-IV (4X40 MW) (NHPC)	09/2005	09/2009	09/2016	1061.38	2193.08	0.00

10.7.3 National Thermal Power Corporation (NTPC)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	COST Original (₹ Crs)	COST Anticipated (₹ Crs)	Physical Progress (%)
KUDGI STPP STAGE 1	01/2012	01/2017	03/2017	15166.19	15166.19	0.00
BARH STPP(3X660MW) NTPC	02/2005	01/2011	05/2018	8692.97	15095.67	0.00
NORTH KARANPURA STPP (3X660 MW)	02/2014	02/2019	02/2019	14366.58	14366.58	0.00
NPGCPL-NABINAGAR STPP - JV (3X660 MW)	01/2013	01/2018	01/2018	12964.60	12964.60	0.00
DARLIPALLI STPP STAGE-I (2X800 MW)	02/2014	08/2018	08/2018	12532.44	12532.44	0.00
LARA SUPER THERMAL POWER PROJECT STAGE-I (2 X 800 MW)	12/2012	06/2017	06/2017	11846.00	11846.00	0.00
GADARWARA SUPER THERMAL POWER PROJECT STAGE-I	03/2013	09/2017	09/2017	11638.55	11638.55	0.00
KHARGONE STPP STAGE I (1320 MW)	03/2015	09/2019	09/2019	9870.51	9870.51	0.00
MUNPL-MEJA TPP - JV (2X660 MW)	04/2012	12/2016	09/2017	9750.89	9750.89	0.00
SOLAPUR STPP	03/2012	11/2016	08/2017	9395.18	9395.18	0.00
TANDA TPP STAGE-II (2X660 MW)	09/2014	03/2019	03/2019	9188.98	9188.98	0.00
MOUDA STPP STAGE 2	03/2012	09/2016	12/2016	7921.47	7921.47	0.00
BONGAIGAON THERMAL POWER PROJECT	01/2008	09/2011	03/2017	4375.35	6749.18	0.00
BRBCL-NABINAGAR TPP- JV (4X250 MW)	01/2007	05/2014	09/2017	5353.00	5353.00	0.00
KBUNL-MUZAFFARPUR TPP STAGE-II- SUBSIDIARY (2X195 MW)	03/2010	01/2013	03/2016	3984.03	3984.03	0.00
TAPOVAN-VISHNUGAD HEP (4X130MW)	11/2006	03/2013	06/2019	2978.48	3846.30	0.00
FGUTPP, UNCHAHAHAR STAGE-IV (1X500 MW)	07/2013	12/2016	12/2016	3363.12	3363.12	0.00
LATA-TAPOVAN HYDRO ELECTRIC POWER PROJECT 3X57 MW	07/2012	08/2017	08/2017	1527.00	1527.00	0.00
RAMMAM-III HEPP (3X40 MW)	09/2014	09/2019	09/2019	1381.84	1381.84	0.00

10.7.4 Power Grid Corporation India Limited (PGCIL)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	COST Original (₹ Crs)	COST Anticipated (₹ Crs)	Physical Progress (%)
NORTH- EAST NORTH WESTERN INTERCONNECTOR I PROJECT	02/2009	08/2013	12/2017	11130.19	13762.80	85.00
WR-NR HVDC INTERCONNECTOR FOR IPP PROJECTS IN CHHATTISGARH	03/2012	06/2015	06/2016	9569.76	9569.76	62.00
INTER-REGIONAL SYSTEM STRENGTHENING SCHEME IN WR AND NR (PART-B)	12/2014	04/2018	04/2018	6517.36	6517.36	7.00

TRANSMISSION SYSTEM STRENGTHENING IN WR-NR TRANSMISSION CORRIDOR FOR IPPS IN CHHATTISGARH	06/2014	03/2018	03/2018	5151.37	5151.37	14.00
TR. SYSTEM ASSOCIATED WITH MUNDRA ULTRA MEGA POWER PROJECT	10/2008	10/2012	12/2016	4824.12	4824.12	89.00
TRANSMISSION SYSTEM FOR DEVELOPMENT OF POOLING STN. IN NR PART OF WEST BENGAL AND TRANSFER OF POWER	04/2010	01/2015	03/2017	4404.57	4404.57	58.00
GREEN ENERGY CORRIDORS INTER-STATE TRANSMISSION SCHEME -PART B	04/2015	04/2018	04/2018	3705.61	3705.61	10.00
WARDHA-HYDERABAD 765 KV LINK	01/2015	05/2018	05/2018	3662.02	3662.02	13.00
TR. SYS. FOR PHASE-I PROJ. IN JHARKHAN AND WEST BENGAL PART-B	02/2012	10/2014	06/2016	3201.44	3201.44	99.00
TRANSMISSION SYSTEM ASSOCIATED WITH PALLATANA GBPP and BPTS.	02/2010	12/2012	12/2016	2144.00	2932.88	80.00
COMMON SYS. ASSOCIATED WITH EAST COAST ENERGY PVT LTD AND NCC POWER PROJECTS LTD LTOA GEN PART- B	03/2013	12/2015	12/2016	2514.88	2514.88	43.00
TR SYSTEM FOR PHASE-I GENERATION PROJECTS IN JHARKHAND AND WEST BENGAL-PART-A2	12/2011	08/2014	05/2016	2422.66	2422.66	99.00
ESTABLISHMENT OF POOLING STATIONS AT CHAMPA AND RAIGARH FOR IPP GENERATION PROJECT IN CHHATTISGARH	05/2011	05/2014	06/2016	1961.87	2310.58	78.00
GREEN ENERGY CORRIDORS: INTER-STATE TRANSMISSION SCHEME (ISTS) - PART C	07/2015	07/2018	07/2018	2247.37	2247.37	0.00
SYSTEM STRENGTHENING IN NORTH/ WEST PART OF WR FOR IPP PROJECTS IN CHATTISGARH	12/2011	08/2014	12/2016	1746.65	2228.71	68.00
KUNADANKULAM APP TRANS SYSTEM (PGCIL)	05/2005	11/2008	12/2016	1779.29	2187.32	88.00
TRANSMISSION SYSTEM STRENGTHENING IN WESTERN PART OF WR FOR IPPS GENERATION PROJECTS IN CHATTISGARH	11/2011	07/2014	12/2016	2127.51	2127.51	98.00
TRANSMISSION SYSTEM ASSOCIATED WITH KRISHNAPATNAM UMPP-PART B	02/2012	10/2014	04/2016	1927.16	1940.58	83.00
COMMON SYSTEM ASSOCIATED WITH COASTAL ENERGEN PRIVATE LIMITED AND IND-BARATH POWER(MADRAS) LIMITED L	09/2011	09/2014	09/2016	1940.13	1940.13	98.00
COMMON SYSTEM ASSOCIATED WITH EAST COAST ENERGY PVT. LTD. AND NCC POWER PROJECTS LTD. LTOA GENERATI	06/2012	06/2015	08/2016	1909.24	1909.24	57.00

EASTERN REGION STRENGTHENING SCHEME-III	07/2010	11/2012	03/2017	1272.80	1731.10	74.00
NORTHERN REGION SYSTEM STRENGTHENING SCHEME-XXI	08/2010	04/2013	05/2016	1677.57	1677.57	95.00
TRANSMISSION SYSTEM FOR TRANSFER OF POWER FROM GEN.PROJ IN SIKKIM TO NR/WR PART-B	03/2011	11/2013	03/2016	1585.12	1585.12	100.00
TRANSMISSION SYSTEM ASSOCIATED WITH MAUDA STAGE-II	09/2013	05/2016	06/2016	1575.30	1575.30	55.00
GREEN ENERGY CORRIDORS INTER-STATE TRANSMISSION SCHEME (ISTS) - PART A	04/2015	04/2017	04/2017	1479.30	1479.30	8.00
SYSTEM STRENGTHENING XXIV IN SOUTHERN REGION	01/2016	07/2018	07/2018	1455.47	1455.47	0.00
SYSTEM STRENGTHENING IN RAIPUR WARDHA CORRIDOR FOR IPP PROJECTS IN CHHATTISGARH	01/2012	01/2015	06/2016	1422.85	1422.85	98.00
CREATION OF 400/220 KV SUBSTATIONS IN NCT OF DELHI DURING 12TH PLAN PERIOD (PART-A)	03/2015	05/2017	05/2017	1394.52	1394.52	4.00
EASTERN REGION STRENGTHENING SCHEM E-V	10/2013	04/2016	09/2016	1364.52	1364.52	41.00
SYSTEM STRENGTHENING IN NR FOR SASAN AND MUNDRA (UMPP)	12/2009	08/2012	06/2016	1216.83	1216.83	92.00
INSTALLATION OF STATCOMS IN WESTERN REGION	03/2015	09/2017	09/2017	1071.24	1071.24	0.00

10.7.5 Tehri Hydro Development Corporation Limited (THDC)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	COST Original (₹ Crs)	COST Anticipated (₹ Crs)	Physical Progress (%)
TEHRI PUMPED STORAGE PLANT(1000MW)	02/2006	02/2016	09/2019	1657.00	2978.86	57.29
VISHNUGAD PIPALKOTI HYDRO ELECTRIC PROJECT	08/2008	06/2013	12/2019	2491.58	2491.58	33.07

10.8 Railways

There were 298 projects in the Railways sector costing ₹150 crore and above under implementation as on 31.3.2016. The total original cost of implementation of these projects stood at ₹2,54,176.67 crore and the anticipated completion cost at ₹3,27,636.22 crore which is 28.90% more than the original cost. The expenditure incurred on these projects till March 2016 was ₹93,023.07 crore which was 36.60% of the original cost. Out of the 298 projects in the Railways sector, only

7 projects costing above ₹1,000 crore are being implemented by CPSE namely Rail Vikas Nigam Ltd. (RVNL). The details of 7 projects are given as under.

10.8.1 Rail Vikas Nigam Ltd.(RVNL)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	COST Original (₹ Crs)	COST Anticipated (₹ Crs)	Physical Progress (%)
NEW WORK FOR CONSTRUCTION OF METRO RAILWAY FROM BARANAGAR TO BARRACKPORE AND DAKSHINESHWAR (MTP)	04/2010	03/2014	N.A	2298.42	1655.68	0.00
NEW WORK FOR CONSTRUCTION OF METRO RAILWAY FROM JOKA TO BINOY BADAL DINESH BAGH.	04/2010	03/2016	12/2018	2913.51	2095.20	0.00
NEW WORK FOR CONSTRUCTION OF METRO RAILWAY FROM NOAPARA-BARASAI VIA BIMANBANDER (MTP)	04/2010	03/2016	06/2016	2397.72	2397.72	0.00
NEW WORK FOR CONSTRUCTION OF METRO RAILWAY FROM NSCB AIRPORT TO NEW GARIA VIA RAJARHAT (MTP)	04/2010	03/2016	12/2020	3951.98	3161.58	0.00
VIJAYWADA-GUDUGOLANU-BHIMAVARAM-NARSAPUR DL (221 KM)	03/2012	N.A.	03.2020	1503.71	1503.71	0.00
SUKINDA ROAD-ANGUL (NL) (ECOR)	04/1998	02/2015	N.A	183.23	1202.70	0.00
HARIDASPUR- PARADEEP (NL)	04/1996	N.A	N.A	301.64	1185.64	0.00

10.9 Telecommunication

There were 2 projects in the Telecommunication sector under implementation as on 31.3.2016. The total original cost of implementation of these projects stood at ₹15,445.17 crore and the

anticipated completion cost is ₹15,345.17 crore. The expenditure incurred on these projects till March 2016 was ₹1,556.20 crore which was 10.07% of the original cost. The detail of projects pertaining to ITI Limited costing ₹1,000 crore and above is as under:

10.9.1 Indian Telephone Industries Limited (ITI)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	COST Original (₹ Crs)	COST Anticipated (₹ Crs)	Physical Progress (%)
NETWORK FOR SPECTRUM(NFS) OFC LAYING PROJECT PACKAGE F AND G APART OF INTELLIGENT FIBER OPTICAL	09/2014	09/2014	03/2017	2111.17	2011.17	0.00

10.10 Mining

There were 3 projects in the Mines sector costing ₹150 crore and above under implementation as on 31.3.2016. The total original cost of implementation of these projects stood at ₹2,555.63 crore and the anticipated completion cost is ₹2,555.63 crore which is equal to original cost. The expenditure in

incurred on said project till March 2016 was ₹235.90 crore. The details of one project of more than ₹1,000 crore is as under:

10.10.1 Hindustan Copper Limited (HCL)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	COST Original (₹ Crs)	COST Anticipated (₹ Crs)	Physical Progress (%)
EXPANSION OF MALANJKHAND MINE-DEVELOPMENT OF UNDERGROUND MINE UNDER EXISTING OPEN CAST MINE OF CAPAC	09/2011	09/2017	09/2017	1856.00	1856.00	0.00

10.11 Urban Development

There were 31 projects in the Urban Development sector costing ₹150 crore and above under implementation as on 31.3.2016. The total original cost of implementation of these projects stood at ₹1,34,465.83 crore and the anticipated completion cost is ₹ 1,39,697.70 crore which is 3.89% higher

than the original cost. The expenditure incurred on said project till March 2016 was ₹ 53,042.52 crore which was 39.45% of the original cost. There were 9 Projects Costing more than ₹ 1000 crore under Urban Development. However only 1 project pertains to CPSE namely NBCC Limited. Detail of the same is as under:

10.11.1 National Building Construction Corporation (NBCC)

Name of the Project	Date of approval	DOC Original	DOC Anticipated	COST Original (₹ Crs)	COST Anticipated (₹ Crs)	Physical Progress (%)
REDEVELOPMENT OF EAST KIDWAI NAGAR	06/2012	11/2019	11/2019	4264.00	4264.00	35.00

CHAPTER 11

CPSEs UNDER-CONSTRUCTION

11.1 There are some Central Public Sector Enterprises (CPSEs) which are in the construction stage and are yet to start regular production on a commercial scale. Many of these are subsidiary companies set up by (Holding) CPSEs.

11.2 As on 31.03.2016, there are 76 'under construction' CPSEs, as against 63 on 31.03.2015. Six 'under construction' CPSEs existing in 2014-15 have become operational and five CPSEs were closed down during the year 2015-16. The details of these 11 CPSEs are given in Table 11.1 below:

Table 11.1

S. No.	Name of the Enterprise	Reason for Exclusion as on 31.3.2016
1	Chhattisgarh-WR Transmission Ltd.	Closed in 2015-16
2	Raipur-Rajanand Warona Transmission Ltd.	Closed in 2015-16
3	SAIL Jagadishpur Power Plant Ltd.	Closed in 2015-16
4	SAIL Sindri Projects Limited	Closed in 2015-16
5	Sipat Transmission Ltd.	Closed in 2015-16
6	Brahmaputra Cracker and Polymer Limited.	Became operational in 2015-16
7	HLL Infratech Services Ltd	Became operational in 2015-16
8	National Highways & Infrastructure Development Corporation Ltd.	Became operational in 2015-16
9	NLC Tamil Nadu Power Limited	Became operational in 2015-16
10	Railtel Enterprises Ltd.	Became operational in 2015-16
11	SIDCUL CONCOR Infra Limited	Became operational in 2015-16

11.3 While the total 'Authorised Capital' of these 76 CPSEs is ₹32,417.45 crore, the Paid-up Capital is ₹14,495.26 crore, as on 31.03.2016. Brief details

of these enterprises showing their status, year of incorporation, authorised capital and paid-up capital are given in Table 11.2 below:

Table 11.2

(₹ in Crore)

S. No.	Under Construction CPSEs	Status	Year of Incorporation	Authorised Capital	Paid-up Capital
1	ANUSHAKTI VIDHYUT NIGAM LTD.	Subsidiary	2011	5.00	0.10
2	BAIRA SIUL SARNA TRANSMISSION LTD.	Subsidiary	2013	0.05	0.05
3	BALLABGARH - GN TRANSMISSION CO. LTD.	Subsidiary	2013	0.05	0.05
4	BEL-THALES SYSTEMS LTD.	Subsidiary	2014	80.00	22.40
5	BHARAT PETRO RESOURCES JPDA LTD.	Subsidiary	2006	60.00	60.00
6	BHARATIYA NABHIKIYA VIDYUT NIGAM LTD.	Holding	2003	5000.00	4584.20
7	BHARTIYA RAIL BIJLEE CO. LTD.	Subsidiary	2007	1606.00	1584.61
8	BIHAR INFRAPOWER LTD.	Subsidiary	2015	0.05	0.05
9	BIHAR MEGA POWER LTD.	Subsidiary	2015	0.05	0.05

10	BPCL-KIAL FUEL PVT. LTD.	Subsidiary	2015	18.00	6.00
11	BUNDELKHAND SAUR URJA LTD.	Subsidiary	2015	10.00	1.00
12	CHEYYUR INFRA LTD.	Subsidiary	2014	0.05	0.05
13	CHHATTISGARH EAST RAILWAYS LTD.	Subsidiary	2013	500.00	139.06
14	CHHATTISGARH MEGA STEEL CO. LTD.	Subsidiary	2015	0.05	0.05
15	CHHATTISGARH SURGUJA POWER LTD.	Subsidiary	2006	0.05	0.05
16	COASTAL KARNATAKA POWER LTD.	Subsidiary	2006	0.05	0.05
17	COASTAL MAHARASHTRA MEGA POWER LTD.	Subsidiary	2006	0.05	0.05
18	COASTAL TAMIL NADU POWER LTD.	Subsidiary	2007	0.05	0.05
19	DEDICATED FRIGHT CORRIDOR CORP. OF INDIA LTD.	Holding	2006	8000.00	4802.67
20	DEOGHAR INFRA LTD.	Subsidiary	2015	0.05	0.05
21	DEOGHAR MEGA POWER LTD.	Subsidiary	2012	0.05	0.05
22	DINGCHANG TRANSMISSION LTD.	Subsidiary	2015	0.05	0.05
23	GHOARPALLI INTEGRATED POWER COMPANY LTD.	Subsidiary	2008	0.05	0.05
24	HIGH SPEED RAIL CORPORATION OF INDIA LTD.	Subsidiary	2012	5.00	0.11
25	HPCL RAJASTHAN REFINERY LTD.	Subsidiary	2013	4000.00	0.05
26	INDIAN CATALYST PVT. LTD.	Subsidiary	2006	100.00	15.93
27	IRCON PB TOLLWAY LTD.	Subsidiary	2014	175.00	90.00
28	IRCON SHIVPURI GUNA TOLLWAY LTD.	Subsidiary	2015	150.00	33.00
29	JAGDISHPUR PAPER MILLS LTD.	Subsidiary	2008	5.00	0.05
30	JHARKHAND INFRAPOWER LTD.	Subsidiary	2015	0.05	0.05
31	JHARKHAND KOLHAN STEEL LTD.	Subsidiary	2015	0.01	0.01
32	JHARKHAND NATIONAL MINERAL DEVPT. CORPORATION LTD.	Subsidiary	2012	1.00	0.01
33	KARNATAKA VIJAY NAGAR STEEL LTD.	Subsidiary	2014	0.01	0.01
34	KHARGONE TRANSMISSION LTD.	Subsidiary	2015	0.05	0.05
35	KOHIMA-MARIANI TRANSMISSION LTD.	Subsidiary	2016	0.01	0.01
36	KOLKATA METRO RAIL CORPORATION LTD.	Holding	2008	1400.00	885.50
37	LOKTAK DOWNSTREAM HYDROELECTRIC CORPORATION LTD.	Subsidiary	2009	230.00	117.69
38	MAHANADI BASIN POWER LTD.	Subsidiary	2011	0.05	0.05
39	MEDINIPUR-JEERAT TRANSMISSION LTD.	Subsidiary	2016	0.01	0.01
40	MJSJ COAL LTD.	Subsidiary	2008	200.00	95.10
41	MNH SHAKTI LTD.	Subsidiary	2008	100.00	85.10
42	MOHINDER GARH-BHIWANI TRANSMISSION LTD.	Subsidiary	2014	0.05	0.05
43	NBCC ENGINEERING AND CONSULTANCY LTD.	Subsidiary	2015	2.00	1.00
44	NELLORE TRANSMISSION LTD.	Subsidiary	2012	0.05	0.05
45	NER-II TRANSMISSION LTD.	Subsidiary	2015	0.05	0.05
46	NEYVELI UTTAR PRADESH POWER LTD	Subsidiary	2012	5000.00	372.40

47	NMDC POWER LTD.	Subsidiary	2011	1.00	0.55
48	NMDC STEEL LTD.	Subsidiary	2015	0.01	0.01
49	NMDC-CMDC LTD.	Subsidiary	2008	200.00	70.26
50	NORTH KARANPURA TRANSCO LTD.	Subsidiary	2015	0.05	0.05
51	NPCIL - INDIAN OIL NUCLEAR ENERGY CORPORATION LTD.	Subsidiary	2011	10.00	1.00
52	NPCIL - NALCO POWER COMPANY LTD.	Subsidiary	2012	1.00	0.10
53	NRSS XXXVI TRANSMISSION LTD.	Subsidiary	2015	0.05	0.05
54	ODISHA INFRAPOWER LTD.	Subsidiary	2014	0.05	0.05
55	OIL INDIA INTERNATIONAL LTD.	Subsidiary	2013	500.00	100.00
56	ORISSA INTEGRATED POWER LTD.	Subsidiary	2006	0.05	0.05
57	PATRATU VIDYUT UTPADAN NIGAM LTD.	Subsidiary	2015	500.00	0.10
58	POWER GRID JABALPUR TRANSMISSION LTD.	Subsidiary	2014	20.00	0.05
59	POWER GRID PARLI TRANSMISSION LTD.	Subsidiary	2014	20.00	0.05
60	POWER GRID SOUTHERN INTERCONNECTOR TRANSMISSION SYSTEM LTD.	Subsidiary	2015	1.00	0.05
61	POWER GRID WARORA TRANSMISSION LTD.	Subsidiary	2014	20.00	0.05
62	POWERGRID KALA AMB TRANSMISSION LTD.	Subsidiary	2013	5.00	0.05
63	POWERGRID NM TRANSMISSION LTD.	Subsidiary	2011	65.00	24.00
64	POWERGRID UNCHAHAR TRANSMISSION LTD.	Subsidiary	2012	5.00	0.05
65	POWERGRID VIZAG TRANSMISSION LTD.	Subsidiary	2011	90.00	54.73
66	PUNJAB ASHOK HOTEL COMPANY LTD.	Subsidiary	1998	3.00	2.50
67	PUNJAB LOGISTIC INFRASTRUCTURE LTD.	Subsidiary	2013	150.00	139.40
68	SAKHIGOPAL INTEGRATED POWER COMPANY LTD.	Subsidiary	2008	0.05	0.05
69	SETHUSAMUDRAM CORPN. LTD.	Holding	2004	1000.00	745.00
70	SJVN THERMAL PVT. LTD.	Subsidiary	2007	3000.00	436.68
71	SOUTH -CENTRAL EAST DELHI POWER TRANSMISSION LTD.	Subsidiary	2015	0.05	0.05
72	TANDA TRANSMISSION COMPANY LTD.	Subsidiary	2013	0.05	0.05
73	TATIYA ANDHRA MEGA POWER LTD.	Subsidiary	2009	0.05	0.05
74	TCIL LAKHNADONE TOLL ROAD LTD.	Subsidiary	2013	25.00	23.11
75	YULE ELECTRICAL LTD.	Subsidiary	2007	150.00	0.05
76	YULE ENGINEERING COMPANY LTD.	Subsidiary	2007	3.00	0.05
			TOTAL	32417.45	14495.26

11.4 The details of each enterprise are given below:

11.4.1 Anushakti Vidhyut Nigam Limited (AVNL)

AVNL is a Public Limited Company incorporated on 27th January, 2011 as a Joint Venture company between Nuclear Power Corporation

of India Ltd (NPCIL) and NTPC Ltd under the administrative control of Department of Atomic Energy with the objective for development of nuclear power, manufacture of nuclear components and trade of electricity. AVNL is having an Authorised

Share Capital of ₹5 crore and Paid-up Capital of ₹0.1 crore as on 31.03.2016. The equity participation of NPCIL and NTPC in this company is in the ratio of 51:49. The registered office is located at 16th Floor, Centre 1, WTC, Cuffe Parade, Colaba, Mumbai, Maharashtra.

11.4.2 Baira Siul Sarna Transmission Ltd.

Baira Siul Sarna Transmission Ltd. was incorporated on 24.01.2013 as a wholly owned subsidiary company of REC Transmission Project Company Ltd., which itself is a wholly owned subsidiary of Rural Electrification Corporation Ltd. under the administrative control of Ministry of Power. It has an objective to plan, promote and develop an integrated and efficient power transmission system network in accordance with the policies, guidelines and objectives laid down by the Central Government from time to time. The Authorized Capital of the Company as on 31.03.2016 is ₹ 0.05 crore and Paid-up Capital is ₹ 0.05 crore. The registered office is located at Core – 4, Scope Complex, 7, Lodhi Road, New Delhi.

11.4.3 Ballabgarh-GN Transmission Co. Ltd.

Ballabgarh-GN Transmission Co. Ltd. was incorporated on 9th September, 2013 as a wholly owned subsidiary company of PFC Consulting Ltd. under the administrative control of Ministry of Power, with an objective of transmission of electricity in the state of Haryana and to undertake necessary activities for selection of the transmission service provider(s). As on 31.3.2016, the Authorized Capital and Paid-up Capital of the company are ₹ 0.05 crore each. The corporate office of the company is located at New Delhi.

11.4.4 BEL THALES Systems Ltd.

The company was incorporated on 28.08.2014 as a Joint Venture company between Bharat Electronics Ltd. (BEL) and Thales India Private Ltd. under the administrative control of Ministry of Defence with the objective to design, develop, supply and support of the select defence and civilian radars. The Authorised Capital of company as on 31.03.2016 is ₹ 80.00 crore and Paid-up Capital is

₹22.40 crore. Bharat Electronics Limited and Thales India Private Limited holds share in the ratio of 74:26. The registered office is located at CNP Area, BEL Industrial Estate, Jalahalli Post, Bengaluru.

11.4.5 Bharat Petro Resources JPDA Ltd.

Bharat Petro Resources JPDA Ltd was incorporated on 28th October, 2006, as a wholly owned subsidiary company of Bharat Petroleum Corporation Ltd. (BPCL) under the administrative control of Ministry of Petroleum and Natural Gas. This company was formed as a Special Purpose Vehicle (SPV) as required under the terms on which the Block JPDA 06-103- was awarded to consortium in the year 2006 by the Autoridade Nacional do Petroleo of Timor Leste (ANP). The company currently holds 20% participating interest (PI) each, the this Block. The other consortium member are Vedeocon JPDA 06-103 Limited & GSPC JPDA Limited, both holding 20% (PI), Pan Pacific Petroleum (JPDA 06-103) Pty Limited and Japan Energy E&P JPDA Pty Limited holding 15% each, Oilex Limited (as ooperator) holding 10% (PI) in the said block.

In view of the uncertainty arising out of arbitration proceedings by Timor Leste Government against Govt. of Australia with regard to the Certain Maritime Arrangements in Timor Sea, (CMATS) Treaty, the Joint Vendture (JV) has submitted its required request to ANP for termination of Production Sharing Contract (PSC) without claim or penalty. After granting few temporary suspension of PSC, ANP delivered its notice to terminate the PSC and imposed Contractor's Liability upon Termination. The termination was accepted by the JV while liabilities upon termination are under negotiation for amicable settlement. This may have impact on the going concern status and company's operation in future. The registered office is located at Bharat Bhavan, 4 & 6 Currimbhoy Road, Ballard Estate, Mumbai, Maharashtra.

The Authorised Share Capital and Paid-up Share Capital of the company is ₹60.00 crore each as on 31.03.2016.

11.4.6 Bharatiya Nabhikiya Vidyut Nigam Limited (BHAVINI)

Bharatiya Nabhikiya Vidyut Nigam Ltd. (BHAVINI) is a wholly owned enterprise of the Government of India under the administrative control of Department of Atomic Energy. BHAVINI was incorporated on 22nd October, 2003. The company is responsible for construction, commissioning and operation of 500 MW Prototype Fast Breeder Reactor Project at Kalpakkam, Tamil Nadu as well as future Fast Breeder Reactors (FBR) for generating electrical power from Nuclear Energy in pursuance of the schemes and programmes of the Government of India under the provisions of the Atomic Energy Act, 1962. The company is currently building a 500MW Fast Breeder Reactor (FBR) at Kalpakkam, 70 KMs away from Chennai. The FBR is the forerunner of the future fast breeder power reactors and is expected to provide energy security to the country. The registered office is located at 51, Montieth Road, Egmore, Chennai, Tamil Nadu.

The Authorised Capital of the company, as on 31.3.2016, is ₹ 5000 crore and total Paid-up Capital is ₹ 4584.20 crore.

11.4.7 Bhartiya Rail Bijlee Company Limited (BRBCL)

Bhartiya Rail Bijlee Company Limited (BRBCL) has been formed as a Joint Venture Company between Ministry of Railways and NTPC Ltd under the administrative control of Ministry of Power with the objective of generating electric power and taking up necessary development, construction and erection for power projects. The company was incorporated on 22nd November, 2007 with Authorised Capital of ₹ 1606 crore. Total Paid-up Capital as on 31.03.2016 is ₹ 1584.61 crore. The equity participation of NTPC and Indian Railway in this company is in the ratio of 74:26. The registered office is located at NTPC Bhawan, Core -7, SCOPE Complex, Institutional Area, Lodhi Road, New Delhi.

11.4.8 Bihar Infrapower Limited

Bihar Infrapower Limited was incorporated

on 30th June, 2015 as a subsidiary of Power Finance Corporation Limited under the administrative control of Ministry of Power with an equity holding of 100% of PFCL. The company has been incorporated for holding the captive land and coal block of Bihar Ultra Mega Power Project (UMPP) in the State of Bihar. The Authorised Capital and Paid up Share Capital of the company as on 31.3.2016 is ₹ 0.05 crore. Its registered office is at New Delhi.

11.4.9 Bihar Mega Power Limited

Bihar Mega Power Limited was incorporated on 9th July, 2015 as a wholly owned subsidiary of Power Finance Corporation Ltd. under the administrative control of Ministry of Power. The company has been incorporated to facilitate the development of Ultra Mega Power Project (UMPP) in the State of Bihar. The proposed project would be developed as per the Tariff based competitive bidding guidelines issued by Ministry of Power, Government of India. The broad activities include land acquisition, undertake various developmental activities, obtained statutory clearances and approvals etc. The Authorised Capital and Paid-up Capital of the company as on 31.3.2016 are ₹ 0.05 crore each. The registered office is located at First Floor, Urjanidhi Building, 1 Barakhamba Lane, New Delhi.

11.4.10 BPCL-KIAL Fuel Farm Pvt. Ltd. (BKFFPL)

BPCL-KIAL Fuel Farm Pvt. Ltd. (BKFFPL) was incorporated on 18th May 2015, as a wholly owned subsidiary company of Bharat Petroleum Corporation Ltd. (BPCL) under the administrative control of Ministry of Petroleum and Natural Gas, with an objective of construct, operate & maintain fuel farm for storage and delivery of ATF at Kannur Airport. The registered office is located at Irimpanam, Kochi, Kerala. The Authorised Share Capital is ₹18 crore and Paid-up Share Capital of the company is ₹ 6.00 crore as on 31.03.2016.

11.4.11 Bundelkhand Saur Urja Ltd.

The company was incorporated on 02.02.2015 as a Joint Venture company between NHPC Ltd. and Uttar Pradesh New and Renewable Energy

Development Agency (UPNEA) under the administrative control of Ministry of Power. The company was incorporated for implementation of 50MW Grid Connected Solar Power Project and any other conventional and non conventional power projects in the state of Uttar Pradesh. The Authorised Capital of company as on 31.03.2016 is ₹ 10.00 crore and Paid-up Capital is ₹ 1.00 crore. The registered office is located at TC-43/V, Vibhuti Khand, Gomti Nagar, Lucknow.

11.4.12 Cheyyur Infra Ltd.

Cheyyur Infra Ltd. was incorporated on 21st January, 2014 and its corporate office is at New Delhi. The Authorised Capital and Paid-up Capital of the company, as on 31.3.2016, are ₹ 0.05 crore each. The company was incorporated as a wholly owned subsidiary of Power Finance Corporation Ltd. under the administrative control of Ministry of Power. The company has been incorporated for an Ultra Mega Power Project in Cheyyur. The registered office is located at First Floor, Urjanidhi Building, 1 Barakhamba Lane, New Delhi.\

11.4.13 Chhattisgarh East Railway Limited (CEWRL)

The Company being a joint venture Company of SECL, IRCON International Limited and Government of Chhattisgarh (represented by CSIDC) was incorporated on 12.03.2013 for developing the rail network and to facilitate coal traffic movement from Kharsia to Dharamjaygarh upo Korba with a spur from Gare-Pelma Block in Northern part of Chhattisgarh to meet the logistic challenges foreseen on account of coal evacuation and to meet the growing coal needs of the country. Ministry of Railways (Government of India) has notified the East Rail Corridor in the State of Chhattisgarh as a 'Special Railway Project' to provide national infrastructure for a public purpose and directed for acquisition of land under the Railways Act, 1989. The Authorised Capital of the Company is ₹500.00 Crore and Paid-up Capital is ₹139.06 crore as on 31.03.2016. The registered office is located at Raipur.

11.4.14 Chhattisgarh Mega Steel Limited (CMSL)

Chhattisgarh Mega Steel Limited which was incorporated on 13.11.2015 as a subsidiary of SAIL under the administrative control of Ministry of Steel with an equity holding of 100% of SAIL. It is a Special Purpose Vehicle for setting up of an Ultra Mega Steel Plant of 6 Million Tonnes per annum as a green field steel project under Joint Venture. The Authorised Capital and Paid-up Capital of the company, as on 31.3.2016, are ₹ 0.05 crore each. Its registered office at Ispat Bhawan, Bhilai, Chhattisgarh.

11.4.15 Chhattisgarh Surguja Power Limited (CSPL)

Chhattisgarh Surguja Power Ltd. (CSPL) was established on 10th February, 2006 as a wholly owned subsidiary of Power Finance Corporation Ltd. under the administrative control of Ministry of Power for the development of Ultra Mega Power Project (UMPP) in Chhattisgarh. The Authorised Capital and Paid-up Capital of the company as on 31.3.2016 are ₹ 0.05 crore each. On behalf of the proposed UMPP, CSPL has been established to undertake preliminary studies and to facilitate tie-ups of inputs, linkages and clearances for the projects such as water, land and environment clearance before transfer of company. The registered office is located at First Floor, Urjanidhi Building, 1 Barakhamba Lane, New Delhi.

11.4.16 Coastal Karnataka Power Limited (CKPL)

Coastal Karnataka Power Limited is one of the various SPV companies and was incorporated on 10th February 2006 under Companies Act, 1956 as a wholly owned subsidiary of Power Finance Corporation Ltd. under the administrative control of Ministry of Power. The company has been incorporated for the development of Ultra Mega Power Project in the State of Karnataka. CKPL has been established to undertake preliminary studies and to facilitate tie-ups of inputs, linkages and clearances for the projects such as water, land,

environment clearance before transfer of company. The Authorised Capital and Paid-up Capital of the company, as on 31.3.2016, are ₹ 0.05 crore each. The registered office is located at First Floor, Urjanidhi Building, 1 Barakhamba Lane, New Delhi.

11.4.17 Coastal Maharashtra Mega Power Limited (CMMPL)

Coastal Maharashtra Mega Power Ltd. (CMMPL) was incorporated on 1st March, 2006 under the Companies Act, 1956 as a wholly owned subsidiary of Power Finance Corporation Ltd. under the administrative control of Ministry of Power. The company has been incorporated to facilitate the development of Ultra Mega Power Project (UMPP) in Maharashtra. The Authorised Capital and Paid-up Capital of the company as on 31.3.2016 are ₹ 0.05 crore each. On behalf of the proposed UMPP, CMMPL has been established to undertake preliminary studies and to facilitate tie-ups of inputs, linkages and clearances for the projects such as water, land and environment clearance. The registered office is located at First Floor, Urjanidhi Building, 1 Barakhamba Lane, New Delhi.

11.4.18 Coastal Tamil Nadu Power Limited (CTNPL)

Coastal Tamil Nadu Power Limited (CTNPL) was incorporated on 9th January, 2007 under the Companies Act, 1956 as a wholly owned subsidiary of Power Finance Corporation Ltd. under the administrative control of Ministry of Power for the development of Cheyyur Ultra Mega Power Project (UMPP) in the state of Tamil Nadu. The Authorised Capital and Paid-up Capital of the company as on 31.3.2016, are ₹ 0.05 crore each. On behalf of the proposed UMPP, CTNPL is to undertake preliminary studies and to obtain necessary clearances and tie up inputs including water, land and power selling arrangements etc. for the proposed power project. The registered office is located at First Floor, Urjanidhi Building, 1 Barakhamba Lane, New Delhi.

11.4.19 Dedicated Freight Corridor Corporation of India Limited (DFCCIL)

DFCCIL was incorporated on 30th October,

2006 with 100% shareholding held by the Government of India. DFCCIL is a Schedule- 'A' CPSE under the administrative control of Ministry of Railways. It is a Special Purpose Vehicle created to undertake planning and development, mobilization of financial resources, construction, maintenance and operation of dedicated freight lines covering about 3338 route KMs on the Eastern and Western Corridors of Indian Railways. In the first phase, DFCCIL will be constructing two corridors - Western DFC and Eastern DFC. The Eastern Corridor, starting from Ludhiana in Punjab will pass through the states of Haryana, Uttar Pradesh, Bihar, and Jharkhand and terminate at Dankuni in West Bengal. The Western Corridor will traverse the distance from Dadri to Mumbai, passing through the states Delhi, Haryana, Rajasthan, Gujarat and Maharashtra. The registered office is located at 5th Floor Pragati Maidan Metro Station Building, New Delhi.

As on 31.03.2016, the Authorised Share Capital of the company is ₹ 8000 crore and the Paid-up Share Capital of the company is ₹ 4802.67 crore.

11.4.20 Deoghar Infra Limited

Deoghar Infra Limited was incorporated on 30th June 2015 as a wholly owned subsidiary of Power Finance Corporation Ltd. under the administrative control of Ministry of Power. The Authorised Capital and Paid up Capital of the company, as on 31.3.2016, are ₹ 0.05 crore each. The company will hold the coal block allocated for development of Deoghar UMPP, coal block land along with the land required for the construction of Power Station and corridors. The DIL at presently held by PFC and will be transferred to the Procurers at the end of the bidding process and the land required for the Power Station shall be leased by the company to the Operating SPV/ Seller i.e. Deoghar Mega Power Limited (DMPL). Further, the company shall enter into an appropriate agreement with the DMPL and appoint the DMPL as the Mine Development Operator, so as to enable it to carry on the mine development operations in the allocated Captive Coal Block Land and utilize the coal mined therein exclusively for the purpose of

the Project. The registered office is located at First Floor, Urjanidhi Building, 1 Barakhamba Lane, New Delhi.

11.4.21 Deoghar Mega Power Limited (DMPL)

Deoghar Mega Power Ltd. (DMPL) is one of the various SPVs and a wholly owned subsidiary of Power Finance Corporation Ltd. under the administrative control of Ministry of Power. It was incorporated on 26th April 2012 for the development of Ultra Mega Power Project in the state of Jharkhand. The Authorised Capital and Paid-up Capital of the company, as on 31.3.2016, are ₹ 0.05 crore each. DMPL has been established to undertake preliminary studies and to facilitate tie-ups of inputs, linkages and clearances for the projects such as water, land and environment clearances. The registered office is located at First Floor, Urjanidhi Building, 1 Barakhamba Lane, New Delhi.

11.4.22 Dinchang Transmission Limited

Dinchang Transmission Limited was incorporated on 02.12.2015 as a wholly owned subsidiary company of REC Transmission Project Company Ltd. which is itself the wholly owned subsidiary to Rural Electrification Corporation Limited under the Ministry of Power with an Authorized Capital of ₹ 0.05 crore and Paid-up Capital of ₹ 0.05 crore as on 31.03.2016. The company is a special purpose vehicle incorporated to develop Transmission System for Phase-I generation projects in Arunachal Pradesh under tariff based competitive bidding (TBCB) process. The registered office is located at Core – 4, Scope Complex, 7, Lodhi Road, New Delhi.

11.4.23 Ghogarpalli Integrated Power Company Limited (GIPCL)

Ghogarpalli Integrated Power Company Limited (GIPCL) was incorporated on 22nd May, 2008 as a wholly owned subsidiary of Power Finance Corporation Ltd. under the administrative control of Ministry of Power. It was incorporated for to facilitate the development of Ultra Mega Power Project (UMPP) in the state of Orissa. The Authorised Capital and Paid-up Capital of the company, as on

31.3.2016 are ₹ 0.05 crore each. GIPCL has been established to undertake preliminary studies and to facilitate tie-ups of inputs, linkages and clearances for the projects such as water, land and environment clearances. The registered office is located at First Floor, Urjanidhi Building, 1 Barakhamba Lane, New Delhi.

11.4.24 High Speed Rail Corporation of India Limited (HSRC)

High Speed Rail Corporation of India Ltd. (HSRC), a wholly owned subsidiary of Rail Vikas Nigam Ltd. (RVNL) was incorporated on 25th July, 2012 under the administrative control of Ministry of Railways. The company has its registered office at New Delhi. The main objects of the company are to cater to and carry on all business related to planning, designing, development, construction, manufacturing, assembling, fabricating, processing, installing, maintenance, operation and financing of railway infrastructure and related logistic support systems, as may be approved by the Government of India. The Authorised Capital and Paid-up Capital of the company, as on 31.3.2016, are ₹ 5 crore and ₹ 0.11 crore, respectively.

11.4.25 HPCL Rajasthan Refinery Ltd.

HPCL Rajasthan Refinery Ltd.(HRRL) was incorporated on 18th September, 2013 as a subsidiary company of Hindustan Petroleum Corporation Ltd. (HPCL) and Government of Rajasthan under the administrative control of Ministry of Petroleum and Natural Gas for setting up a 9 MMTPA capacity Greenfield refinery and a petrochemical complex in the State of Rajasthan. The equity participation of HPCL and Government of Rajasthan in this company is in the ratio of 74:26. The company has been set up with the main objective of the company is refining and production of petroleum and petrochemical products. In the year 2015-16, HPCL Rajasthan Refinery Ltd. has had an Authorised Capital of ₹ 4000 crore and total Paid-up Capital of ₹ 0.05 crore. The Registered Office of the company is Tel Bhavan, Sahkar Marg, Lal Kothi Vistar, Jyoti Nagar, Jaipur-302005.

11.4.26 Indian Catalyst Private Limited (Formerly Indo Cat Pvt. Ltd.)

Indian Catalyst Private Ltd. was incorporated on 1st June, 2006, as a wholly owned subsidiary company of Indian Oil Corporation Ltd. under the administrative control of Ministry of Petroleum and Natural Gas for Manufacturing of FCC catalyst/additives. The registered office of the company is P. O. Jawahar Nagar, Vadodara (Gujarat). The Authorised share capital and Paid-up Share Capital of the Company as on 31.03.2016 are ₹ 100.00 crore and 15.93 crore respectively.

11.4.27 Ircan Pb Tollway Ltd.

Ircan PB Tollway Ltd. was incorporated on 30th September 2014 as a wholly owned subsidiary of Ircan International Ltd. under the administrative control of Ministry of Railways with an Authorised Capital of ₹ 175.00 crore and Paid-Up Capital of ₹ 90.00 Crore as on 31.03.2016. The company was incorporated for construction of national highways. The registered office is located at Plot No. C-4, District Centre, Saket, New Delhi.

11.4.28 Ircan Shivpuri Guna Tollway Limited.

Ircan Shivpuri Guna Tollway Limited was incorporated on 12th May 2015 as a wholly owned subsidiary of Ircan International Ltd. under the administrative control of Ministry of Railways with an Authorised Capital of ₹ 150.00 crore and Paid-Up Capital of ₹ 33.00 Crore as on 31.03.2016. The company was incorporated for construction of national highways on Shivpuri Guna Section – NH-3 in the state of Madhya Pradesh. Its registered & corporate office are located at Plot No. C-4, District Centre, Saket, New Delhi.

11.4.29 Jagdishpur Paper Mills Limited (JPML)

Jagdishpur Paper Mills Limited was incorporated on 8th May, 2008 as a subsidiary of Hindustan Paper Corporation Ltd. (HPC) under the administrative control of Ministry of Heavy Industries and Public Enterprises with an equity holding of 99.99% of HPC. The objective of the company is to supply of paper and its registered office is at Lucknow. The Authorised Capital and

Paid-up Capital of the company as on 31.3.2016 are ₹ 5 crore and ₹ 0.05 crore, respectively.

11.4.30 Jharkhand Infrapower Limited

Jharkhand Infrapower Limited was incorporated on 10th December, 2015 as a subsidiary of Power Finance Corporation Limited under the administrative control of Ministry of Power with an equity holding of 100% of PFCL. The company has been incorporated for holding the captive coal block land along with the land required for the construction of the power station for Tilaiya Ultra Mega Power Project in the state of Jharkhand. The Authorised Capital and Paid up Share Capital of the company as on 31.3.2016 is ₹ 0.05 crore . Its registered office is at New Delhi.

11.4.31 Jharkhand Kolhan Steel Ltd.

Jharkhand Kolhan Steel Ltd. was incorporated on 24th September, 2015 as a subsidiary of NMDC Ltd. under the administrative control of Ministry of Steel with an equity holding of 100% of NMDC Ltd. to carry on in India and elsewhere development or trade or business or manufacturing or prospecting, raising, operating, buying, selling, importing, exporting, purchasing, dealing etc in iron and steel. The Authorised Capital and Paid up Share Capital of the company as on 31.3.2016 is ₹ 0.01 crore. Its registered office is at New Delhi.

11.4.32 Jharkhand National Mineral Development Corporation (JNMDC)

Jharkhand National Mineral Development Corporation Limited was incorporated on 6th August, 2012 as a Joint Venture Company between NMDC and Jharkhand State Mineral Development Corporation Ltd. in the equity ratio of 60:40 respectively under the administrative control of Ministry of Shipping. The main objective of the company is to exploration work and subsequently applies for mining lease and license. The Authorised Capital and Paid-up Capital of the company, as on 31.3.2016, are ₹ 1.00 crore and ₹ 0.01 crore respectively. The registered office is located at JNMDC C/o JSMDCL Limited, Khanij Nigam Bhavan, Nepal house Area, Doranda, Ranchi.

11.4.33 Karnataka Vijay Nagar Steel Ltd.

The company was incorporated on 29.12.2014 as a wholly owned subsidiary of NMDC Ltd. under the administrative control of Ministry of Steel to carry on in India and elsewhere development or trade or business or manufacturing or prospecting, raising, operating, buying, selling, importing, exporting, purchasing, dealing etc in iron and steel. The Authorised Capital of Company as on 31.03.2016 is ₹ 0.01 crore and Paid-up Capital is ₹ 0.01 crore. The registered office is located at No. 57(2), Kanakapura Road, NR. Krishna Rao Circle, Basavangudi, Bangalore.

11.4.34 Khargone Transmission Limited

Khargone Transmission Limited was incorporated on 28.11.2015 as a wholly owned subsidiary company of REC Transmission Project Company Ltd. which is itself the wholly owned subsidiary to Rural Electrification Corporation Limited under the Ministry of Power with an Authorized Capital of ₹0.05 crore and Paid-up Capital of ₹0.05 crore as on 31.03.2016. The company is a special purpose vehicle incorporated to develop Transmission System Strengthening in WR associated with Khargone TPP(1320 MW) under tariff based competitive bidding (TBCB) process. The registered office is located at Core – 4, Scope Complex, 7, Lodhi Road, New Delhi.

11.4.35 Kohima-Mariani Transmission Company Limited

Kohima-Mariani Transmission Company Limited was incorporated on 22.01.2016 as a wholly owned subsidiary company of PFC Consulting Limited under the administrative control of Ministry of Power with an Authorized Capital of ₹ 0.01 crore and Paid-up Capital of ₹ 0.01 crore as on 31.03.2016. The company has been incorporated to develop power system network and study, forest clearance etc., if required for the purpose of transmission of electricity in the State of Nagaland (Project and to conduct bidding process etc. for the selection of transmission service provider. The registered office is located at 1st Floor, Urjanidhi, 1, Barakhamba

Lane, Connaught Place, New Delhi.

11.4.36 Kolkata Metro Rail Corporation Ltd.

Kolkata Metro Rail Corporation Ltd. (KMRCL) was incorporated on 09.07.2008 as a wholly owned enterprise of the Government of India under the administrative control of Ministry of Railways with the objective of implementation of East West Metro Corridor in Kolkata. The KMRCL Metro Project will be approximately 16.55 km long, operating on East-West Corridor of Kolkata Metro Rail Project and will connect Howrah Maidan at the East and Salt Lake Sector-V at the West. In the year 2015-16, Kolkata Metro Rail Corporation Ltd. has an Authorised Capital of ₹ 1400 crore and total Paid-up Capital of ₹ 885.50 crore. The registered office of the company is KMRCL Bhavan, Munsii Premchand Sarani, Kolkata.

11.4.37 Loktak Downstream Hydroelectric Corporation Limited (LDHCL)

Loktak Downstream Hydroelectric Corporation Ltd (LDHCL) was incorporated as a Joint Venture (JVC) company of NHPC Ltd. (74% shareholding) and Government of Manipur (26% shareholding) under the administrative control of Ministry of Power on 23rd October, 2009 with an Authorised share capital of ₹230 crore and Paid-up Capital of the company as on 31.03.2016 of ₹ 117.69 crore. The objective of the company is to plan, promote and develop hydroelectric power generation in Manipur. Its registered office is at Loktak Power Station, Komkeirap, Manipur.

11.4.38 Mahanadi Basin Power Limited (MBPL)

Mahanadi Basin Power Limited (MBPL) is a wholly owned subsidiary of Mahanadi Coalfields Limited (MCL) under the administrative control of Ministry of Coal. MBPL was incorporated as a Public Limited Company on 2nd December, 2011 having its registered office at BJB Nagar, Bhubaneswar-751017. The Authorised Capital and Paid-up Capital of MBPL as on 31.03.2016 are ₹ 0.05 crore each. The company invites proposal on behalf of MBPL to develop, operate and maintain the proposed power project of 2 x 800 MW Pit

Head Super Critical Thermal Power Plant at District Sundargarh, Odisha.

11.4.39 Medinipur-Jeerat Transmission Ltd.

Medinipur-Jeerat Transmission Ltd. was incorporated on 22.01.2016 as a wholly owned subsidiary of PFC Consulting Limited under the administrative control of Ministry of Power with an Authorised Capital of ₹ 0.01 crore and Paid-up Capital of ₹ 0.01 crore as on 31.03.2016. The Company has been incorporated to develop power system network and study, investigate, collect information and data, preparation of survey report, forest clearance etc, if required etc. for the purpose of transmission of electricity in the state of West Bengal (Project) and to conduct bidding process etc. for selection of the transmission service provider. The registered office is located at 1st Floor, Urjanidhi, 1, Barakhamba Lane, Connaught Place, New Delhi.

11.4.40 MJSJ Coal Limited

MJSJ Coal Ltd. was incorporated on 13th August, 2008 as a Joint Venture (JV) company under the administrative control of Ministry of Coal between Mahanadi Coalfields Ltd. (60% share), JSW Steel Ltd. (11% share), JSW Energy Ltd. (11% share), Shyam Metalics & Energy Ltd. (9% share) and Jindal Stainless Ltd. (9% share). The company has been formed to operate Gopalprasad OCP and Utkal-A of Talcher coalfields. The normative capacity of the project has been estimated as 15.00 MTY and peak capacity is 20.00 MTY. The Authorised Share Capital is ₹ 200 crore whereas it's Paid-up Share Capital is ₹ 95.10 crore during the year 2015-16. The registered office is located at Hakimpara, Anand Nagar, Angul, Orissa.

11.4.41 MNH Shakti Limited

MNH Shakti Limited is a subsidiary company of Mahanadi Coalfields Ltd. under the administrative control of Ministry of Coal. It was incorporated on 16th July, 2008 with an objective of to carry on the business of coal mine block in India and to carry out the activities of prospecting. It is a JV with 70% stake of Mahanadi Coalfields Limited (MCL), 15% stake of Neyveli Lignite Corporation Limited

(NLC) and 15% stake of Hindalco Limited (HIL). The Authorised Share Capital is ₹ 100 crore whereas it's Paid-up Capital is ₹ 85.10 crore during the year 2015-16. The Registered Office of the company is Anand Vihar, PO – Jagruti Vihar, Sambalpur Odisha.

11.4.42 Mohinder Garh-Bhiwani Transmission Ltd.

Mohinder Garh-Bhiwani Transmission Ltd. was incorporated on 24.12.2014 as a wholly owned subsidiary of PFC Consulting Limited under the administrative control of Ministry of Power with an Authorised Capital of ₹ 0.05 crore and Paid-up Capital of ₹ 0.05 crore as on 31.03.2016. The Company has been incorporated to develop power system network and study, investigate, collect information and data, preparation of survey report, forest clearance etc, if required etc. for the purpose of transmission of electricity in the state of Haryana (Project) and to conduct bidding process etc. for selection of the transmission service provider. The registered office is located at 1st Floor, Urjanidhi, 1, Barakhamba Lane, Connaught Place, New Delhi.

11.4.43 NBCC Engineering and Consultancy Ltd.

NECL was incorporated on 15th December 2015 as a wholly owned subsidiary company of NBCC(India) Limited under the administrative control of Ministry of Urban Development with an objective to carry on business as Design Consultants providing comprehensive solutions with team of multiple skills sets including – Architects, Structural Engineers. Its registered and corporate office is at New Delhi. NECL is having an Authorised Share Capital of ₹ 2.00 crore and Paid-up Capital of ₹ 1.00 crore as on 31.03.2016.

11.4.44 Nellore Transmission Ltd.

The company was incorporated on 04.12.2012 as a wholly owned subsidiary company of REC Transmission Project Company Ltd. which is itself the wholly owned subsidiary to Rural Electrification Corporation Limited under the Ministry of Power with an Authorized Capital of ₹ 0.05 crore and Paid-

up Capital of ₹ 0.05 crore as on 31.03.2016. The main objective of the company is to plan, promote and develop an integrated and efficient power transmission system network in accordance with the policies, guidelines and objectives laid down by the central government from time to time. The registered office is located at Core – 4, Scope Complex, 7, Lodhi Road, New Delhi.

11.4.45 NER II Transmission Limited

NER II Transmission Limited was incorporated on 21.04.2015 as a wholly owned subsidiary company of REC Transmission Project Company Ltd. which is itself the wholly owned subsidiary to Rural Electrification Corporation Limited under the Ministry of Power with an Authorized Capital of ₹ 0.05 crore and Paid-up Capital of ₹ 0.05 crore as on 31.03.2016. The company is a special purpose vehicle incorporated for NER System strengthening Scheme-II under tariff based competitive bidding (TBCB) process. The registered office is located at Core – 4, Scope Complex, 7, Lodhi Road, New Delhi.

11.4.46 Neyveli Uttar Pradesh Power Limited (NUPPL)

Neyveli Uttar Pradesh Power Ltd. was incorporated on 9th November, 2012. It is a joint venture between Neyveli Lignite Corporation Ltd. (NLC) and Uttar Pradesh Rajya Vidyut Utpadan Nigam Ltd. with a share of 51% and 49% respectively, under the administrative control of Ministry of Coal with the objective of setting up of 1980 MW coal based Thermal Power Plant at Ghatampur, Uttar Pradesh at an estimated cost of about ₹ 17,237.80 crore. The Authorized Capital and Paid-up Capital of the company, as on 31.3.2016, are ₹ 5000 crore and 372.40 crore, respectively. The registered office is located at B-III/204, 2nd Floor, Eldeco Elegance, Gomti Nagar, Lucknow, Uttar Pradesh.

11.4.47 NMDC Power Ltd.

NMDC Power Ltd. was incorporated as a Special Purposes Vehicle (SPV) on 12th December 2011 and is a wholly owned subsidiary company of NMDC under the administrative control of Ministry

of Steel. The Company was set up for the purpose of captive power supply to the 3-MTPA integrated steel plant being constructed at Nagarnar at Chattisgarh. The proposed plant would be set up through a Joint Venture and the JV partner would be selected through a Tariff based International Competitive Bidding carried out in line with Case 2nd guidelines. This SPV would be converted into a Joint Venture Company having NMDC shareholding of at least 26% and the balance shareholding of the bidder selected on the basis of tariff based international competitive bidding. This would qualify the Power Plant developed by the Joint Venture (JV) Company as captive generation project. During the financial year 2015-16, the Authorized Capital of the company is ₹ 1.00 crore and Paid-up Capital is ₹ 0.55 crore. The registered office is located at Khanij Bhavan 10-3-311/A, Castle Hills, Masab Tank, Hyderabad.

11.4.48 NMDC Steel Limited

NMDC Steel Limited was incorporated on 2nd January 2015 with its registered office at Nagarnar, Bastar, Chhattisgarh as a wholly owned subsidiary of NMDC Limited under the administrative control of Ministry of Steel to carry on in India and elsewhere development or trade or business or manufacturing or prospecting, raising, operating, buying, selling, importing, exporting, purchasing, dealing etc in iron and steel. The Authorized Capital and Paid-up Capital of the company as on 31.03.2016 are ₹ 0.01 crore and ₹ 0.01 crore, respectively. The registered and corporate office is located at Nagarnar, Bastar, Chhattisgarh

11.4.49 NMDC-CMDC Limited

NMDC-CMDC Limited was incorporated on 19th June, 2008. It is a Joint Venture Company of NMDC and Chhattisgarh Mineral Development Corporation Limited (CMDC) with equity participation in the ratio of 51:49 respectively, under the administrative control of Ministry of Steel. The object of the company is to develop Bailadila Iron Ore Deposits No. 4 & 13 at Bailadila in Dantewada District in Chhattisgarh State. The Authorized Capital and Paid-up Capital of the company as on

31.03.2016 are ₹ 200.00 crore and 70.26 crore, respectively. The registered office is located at “Angela Cottage”, H.NO.3/883, Civil Lines, Raipur, Chhattisgarh.

11.4.50 North Karanpura Transco Limited

North Karanpura Transco Limited was incorporated on 27.11.2015 as a wholly owned subsidiary company of REC Transmission Project Company Ltd. which is itself the wholly owned subsidiary to Rural Electrification Corporation Limited under the Ministry of Power with an Authorized Capital of ₹ 0.05 crore and Paid-up Capital of ₹ 0.05 crore as on 31.03.2016. The company is a special purpose vehicle incorporated to develop immediate evacuation for North Karanpura (3x660 MW) generation project of NTPC along with creation of 400/200 KV sub-station at Dhanbad. The registered office is located at Core - 4, Scope Complex, 7, Lodhi Road, New Delhi.

11.4.51 NPCIL-Indian Oil Nuclear Energy Corporation Ltd.

NPCIL-Indian Oil Nuclear Energy Corporation Ltd. was incorporated on 06.04.2011 as a Joint Venture Company between NPCIL and IOCL under the administrative control of Department of Atomic Energy for development of nuclear power, protection of environment, manufacturing of nuclear components, and trading of electricity. NPCIL and IOCL holds share in the ratio of 74:26. In the financial year 2015-16, NPCIL-Indian Oil Nuclear Energy Corporation Ltd. had a total Authorised Capital of ₹ 10 crore and total Paid-up Capital of ₹ 1.00 crore. The Registered Office of the company is 16th floor, centre 1, WTC, Cuffe Parade, Colaba, Mumbai.

11.4.52 NPCIL-NALCO Power Company Ltd.

NPCIL-NALCO Power Company Ltd. was incorporated on 02.03.2012 as a Joint Venture Company between NPCIL and NALCO under the administrative control of Department of Atomic Energy for development of nuclear power, protection of environment, manufacturing of nuclear components and trading of electricity. NPCIL and

NALCO holds share in the ratio of 74:26. In the financial year 2015-16, NPCIL-NALCO Power Company Ltd. had a total Authorised Capital of ₹ 1 crore and total Paid-up Capital of ₹ 0.10 crore. The Registered Office of the company is 16th floor, centre 1, WTC, Cuffe Parade, Colaba, Mumbai.

11.4.53 NRSS XXXVI Transmission Limited

NRSS XXXVI Transmission Limited was incorporated on 18.08.2015 as a wholly owned subsidiary company of REC Transmission Project Company Ltd. which is itself the wholly owned subsidiary to Rural Electrification Corporation Limited under the Ministry of Power with an Authorized Capital of ₹ 0.05 crore and Paid-up Capital of ₹ 0.05 crore as on 31.03.2016. The company is a special purpose vehicle incorporated to develop connectivity lines for “System Strengthening Scheme in Northern Region (NRSS-XXXVI along with LILO of Sikar-Neemrana 40C kV D/C line at Babai (RRVPNL)” under tariff based competitive bidding (TBCB) process. The registered office is located at Core – 4, Scope Complex, 7, Lodhi Road, New Delhi

11.4.54 Odisha Infrapower Ltd.

Odisha Infrapower Ltd. was incorporated on 23rd January, 2014 as a wholly owned subsidiary of Power Finance Corporation Limited under the administrative control of Ministry of Power and its corporate office is at New Delhi. The Authorised Capital and Paid-up Capital of the company, as on 31.3.2016, are ₹ 0.05 crore each. The Company has been incorporated to hold Coal Blocks License, Coal Blocks Land, Power Plant Land and Land for Corridors for the construction, operation and maintenance of electricity system and integrated fuel system and to act as a nodal agency in this regard.

11.4.55 OIL India International Ltd.

OIL India International Ltd. was incorporated on 20.09.2013 as a wholly owned subsidiary of Oil India Ltd. under the administrative control of Ministry of Petroleum and Natural Gas with an objective to search for purchase, take on lease or license, obtain concessions over or otherwise acquire any estate,

asset or interest in, develop the resources, work and dispose off or otherwise turn to account, land or sea or any other place in the whole of India and outside India containing, or thought likely to contain, hydrocarbons, crude oil, petroleum products, base oils or other oils in any form, asphalt, bitumen or similar substances or natural gas (including all kinds of gaseous hydrocarbons produced from gas or oil wells), chemicals, metals, minerals, coal or any substance used, or which is thought likely to be useful for any purpose for which petroleum or other oils in any form., asphalt, bitumen or similar substances, is or could be used, and to that end to organize, equip and employ expeditions, commissions, experts and other agents. In the financial year 2015-16, OIL India International Ltd. has had a total Authorised Capital of ₹ 500 crore and total Paid-up Capital of ₹ 100 crore. The registered office of the company is Level 2, Elegant Tower, Jasola, New Delhi.

11.4.56 Orissa Integrated Power Limited (OIPL)

Orissa Integrated Power Limited (OIPL) is one of the SPVs of Power Finance Corporation Ltd. It is a wholly owned subsidiary of Power Finance Corporation Limited under the administrative control of Ministry of Power for the development of Sundargarh UMPP in Orissa. It was incorporated on 24th August, 2006. The Authorised Capital and Paid-up Capital of the company, as on 31.3.2016, are ₹ 0.05 crore each. OIPL has been established to undertake preliminary studies and to facilitate tie-ups of inputs, linkages and clearances for the projects such as water, land and environment clearances. The Registered Office of the company is 1st Floor, Urjanidhi Building, 1, Barakhamba Lane, New Delhi.

11.4.57 Patratu Vidyut Utpadan Nigam Limited (PVUNL)

PVUNL was incorporated on 15th October, 2015 as a subsidiary company of NTPC in Joint Venture with JBVNL for acquisition of PTPS for performance improvement of existing capacity and 4000 MV capacity expansion of PTPS. Further, in line with the provision of the JVA and Articles

of Association of the Company, the company has become a party to the JVA by signing the Deed of Adherence dated 9th November, 2015 and all the terms and provision of the JVA shall be applicable to the company as if it had been originally named as a Party. Memorandum of Agreement (MOA) signed on 3rd May, 2015, a Joint Venture Agreement (JVA) was signed on 29th July, 2015 amongst NTPC Limited (NTPC) and Jharkhand Bijli Vitran Nigam Limited (JBVNL), as Parties and Govt. of Jharkhand (GoJ), Jharkhand Uрга Vikas Nigam Limited (JUVNL), Jharkhand Uрга Utpadan Nigam Limited (JUUNL), as Confirming Parties to form a Joint Venture Company of NTPC & JBVNL with 74:26 equity participation respectively, for transfer of Patratu Thermal Power Station, District Ramgarh, Jharkhand (PTPS). PVUNL is having an Authorised Share Capital of ₹ 500 crore and Paid-up Capital of ₹ 0.10 crore as on 31.03.2016. The registered and corporate office are located at NTPC Bhawan, Scope Complex, 7 Institutional Area, Lodi Road, New Delhi.

11.4.58 Power Grid Jabalpur Transmission Ltd.

Power Grid Jabalpur Transmission Ltd. was incorporated on 14.08.2014 as a wholly owned subsidiary of Power Grid Corporation of India Ltd. under the administrative control of Ministry of Power to Develop Transmission system for system strengthening associated with Vindhyachal Transmission Project with an Authorised Capital of Company as on 31.03.2016 is ₹ 20 crore and Paid-up Capital is ₹ 0.05 crore. The registered office is located at B-9 Qutub Institutional Area Katwaria Sarai New Delhi.

11.4.59 Power Grid Parli Transmission Ltd.

Power Grid Parli Transmission Ltd. was incorporated on 30th July 2014 as a wholly owned subsidiary of Power Grid Corporation of India Ltd. under the administrative control of Ministry of Power to Develop Transmission system for system strengthening associated with Gadawara STPS(2 X 800 MW) of NTPC (A) at Parli in the State of Maharashtra with an Authorised Capital of Company as on 31.03.2016 is ₹ 20.00 crore and

Paid-up Capital is ₹ 0.05 crore. The registered office is located at B-9 Qutab Institutional Area, Katwaria Sarai, New Delhi.

11.4.60 Power Grid Southern Interconnector Transmission System Ltd.

Power Grid Southern Interconnector Transmission System Ltd. was incorporated on 6th April 2015 as a wholly owned subsidiary of Power Grid Corporation of India Ltd. under the administrative control of Ministry of Power to Develop power generation with an Authorised Capital of Company as on 31.03.2016 is ₹ 1.00 crore and Paid-up Capital is ₹ 0.05 crore. The registered and corporate office are located at B-9 Qutab Institutional Area, Katwaria Sarai, New Delhi.

11.4.61 Power Grid Warora Transmission Ltd.

Power Grid Warora Transmission Ltd. was incorporated on 5th August 2014 as a wholly owned subsidiary of Power Grid Corporation of India Ltd. under the administrative control of Ministry of Power to Develop Transmission system for system strengthening associated with Gadawara STPS(2 X 800 MW) of NTPC (B) at Warora in the State of Madhya Pradesh and Maharashtra with an Authorised Capital of Company as on 31.03.2016 is ₹ 20.00 crore and Paid-up Capital is ₹ 0.05 crore. The registered office is located at B-9 Qutab Institutional Area, Katwaria Sarai, New Delhi.

11.4.62 Powergrid Kala Amb Transmission Ltd.

Power Grid Kala Amb Transmission Ltd. was incorporated on 29.07.2013 as a wholly owned subsidiary of Power Grid Corporation of India Ltd. under the administrative control of Ministry of Power. The Authorised Capital of Company as on 31.03.2016 is ₹ 5.00 crore and Paid-up Capital is ₹ 0.05 crore. Powergrid Kala Amb Transmission Ltd. was acquired by Power Grid from REC Transmission Projects Company Limited on May 12, 2014 under Tariff based competitive bidding for establishing 400/220KVGIS substation at Kala Amb. The registered office is located at B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi.

11.4.63 Powergrid NM Transmission Limited

Powergrid NM Transmission Limited was incorporated on 20th May, 2011 as a wholly owned subsidiary of Power Grid Corporation of India Ltd. under the administrative control of Ministry of Power to establish transmission system associated with of Nagapattinam area. The Authorised Capital and Paid-up Capital of the company, as on 31.3.2016, are ₹ 65.00 crore and ₹ 24.00 crore respectively. The registered office is located at B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi.

11.4.64 Powergrid Unchahar Transmission Ltd.

Unchahar Transmission Ltd. was incorporated on 17th December, 2012 with its registered office at New Delhi and corporate office at Fathepur (UP). The Authorised Capital and Paid-up Capital of the company, as on 31.3.2016, are ₹ 5.00 crore and ₹ 0.05 crore respectively. The company was acquired / taken over by Powergrid Corporation of India Ltd on 24th March, 2014 as a wholly owned subsidiary under the administrative control of Ministry of Power. The company has been incorporated under Tariff based competitive bidding for establishing Transmission System for ATS of Unchahar TPS.

11.4.65 Powergrid Vizag Transmission Ltd.

Vizag Transmission Ltd. was incorporated on 30th November, 2011 and its corporate office is located at New Delhi. The Authorised Capital and Paid-up Capital of the company, as on 31.3.2016, are ₹ 90.00 crore and ₹ 54.73 crore respectively. The company was acquired / taken over by Powergrid Corporation of India Ltd. on 30th August, 2013 as a wholly owned subsidiary under the administrative control of Ministry of Power. The company has been incorporated under Tariff based competitive bidding for established Transmission System for 'System Strengthening' in Southern Region for import of power from Eastern Region.

11.4.66 Punjab Ashok Hotel Company Limited

Punjab Ashok Hotel Co. Ltd. is a Joint Venture (JV) between India Tourism Development Corporation Limited and Punjab Tourism Development Corporation Ltd. with equity

participation in the ratio of 51:49 respectively, under the administrative control of Ministry of Tourism. It was incorporated on 11th November, 1998. The company had planned to construct a 50 room hotel at Anandpur Sahib, Punjab but due to cost escalation and shortage of funds, it was decided to construct only a 20-room 3 star hotel. The construction of Hotel Anandpur Ashok has been at a standstill since December, 2000 due to paucity of funds. The JVC board in its meeting held on 16th March, 2012 agreed in-principle to revive the project by exploring the possibilities to commence the Hotel as Yatri Niwas/ Budget Hotel, through public private partnership. The Authorised and Paid-up Capital as on 31.3.2016 are ₹ 3.00 crore and ₹ 2.50 crore, respectively. The registered office is located in Chandigarh. The main objectives of the company are to own, manage, construct-purchase and operate hotels, restaurants, motels etc. and to establish, manage transport unit etc. to develop tourism in Punjab.

11.4.67 Punjab Logistic Infrastructure Ltd.

Punjab Logistic Infrastructure Ltd. was incorporated on 16th December, 2013 as a joint venture company of Container Corporation of India Limited and Punjab State Container & Warehousing Corpn. Ltd. with equity participation in the ratio of 51:49 respectively, under the administrative control of Ministry of Railways. The objective of the company is to set up and operate Logistics Parks comprising of Inland Container Depots, Warehousing Container Freight Stations and facilitate provision of logistics services for Export Import and Domestic cargo for industry and agriculture. In the financial year 2015-16, Punjab Logistic Infrastructure Limited has a total Authorised Capital of ₹ 150.00 crore and total Paid-up Capital of ₹ 139.40 crore. The registered office is located at B-9, Qutub Institutional Area, Katwaria Sarai, New Delhi.

11.4.68 Sakhigopal Integrated Power Company Limited (SIPCL)

Sakhigopal Integrated Power Company Limited (SIPCL) is an SPV and a wholly owned subsidiary of Power Finance Corporation Limited under the administrative control of Ministry of

Power. It was incorporated on 21st May, 2008 for the development of UMPP in Orissa. The Authorised Capital and Paid-up Capital of the company as on 31.3.2016 are ₹ 0.05 crore each. SIPCL has been established to undertake preliminary studies and to facilitate tie-ups of inputs, linkages and clearances for the projects such as water, land and environment clearances. The registered office is located at First Floor, Urjanidhi Building, 1 Barakhamba Lane, New Delhi.

11.4.69 Sethusamudram Corporation Limited (SCL)

Sethusamudram Corporation Limited (SCL) was incorporated on 6th December, 2004 as a wholly owned enterprise of the Government of India under the administrative control of Ministry of Shipping to develop and operate a navigation channel along the territorial waters of India for connecting Gulf of Mannar with Palk Bay, named as Sethusamudram Channel to connect East and Western Coast of India, helping better movement of ships within the territorial waters of India. The prestigious Sethusamudram Ship Channel project was sanctioned by Government of India on 01.06.2005. Corporation has its registered office at Indian Maritime University, Uthandi, Chennai. Consequent to the interim stay by the Honorable Supreme Court of India, all the dredging work has been suspended and the company has not commenced its commercial operations. Company is handling legal issues and exploring alternatives to achieve the vision/mission of SCL. The company has an Authorised Capital of ₹ 1000 crore, and total Paid-up Capital of ₹ 745 crore as on 31.03.2016.

11.4.70 SJVN Thermal Pvt. Ltd.

SJVN Thermal Pvt. Ltd. was incorporated as a wholly owned subsidiary of Satluj Jal Vidyut Nigam (SJVN) Limited, Shimla on 7th May, 2007 under the administrative control of Ministry of Power for developing, operating and maintaining Thermal Power Projects in a cost effective and socio-environment friendly manner. As on 31st March, 2016, the Authorised Capital of the company is ₹ 3000 crore and Paid-up Share Capital is ₹ 436.68 crore. The registered office is located at 69/5, Dr. T.

N. Banerjee Road, Chhajju Bag, Patna, Bihar.

11.4.71 South Central East Delhi Power Transmission Ltd.

The company was incorporated on 18.02.2015 as a wholly owned subsidiary of PFC Consulting Limited, under the administrative control of Ministry of Power and it is involved in Production, collection and distribution of electricity with an Authorised Capital of Company as on 31.03.2016 is ₹ 0.05 crore and Paid-up Capital is ₹ 0.05 crore. The registered office is located at 1st Floor, Urjanidhi, 1, Barakhamba Lane, Connaught Place, New Delhi.

11.4.72 Tanda Transmission Company Ltd.

Tanda Transmission Company Ltd. was incorporated on 09.09.2013 as a wholly owned subsidiary of PFC Consulting Limited, under the administrative control of Ministry of Power. The Company has been incorporated to develop power system network and study, investigate, collect information and data, preparation of survey report, forest clearance, if required etc. for the purpose of transmission of electricity in the state of Uttar Pradesh Project and to conduct bidding process etc for selection of the transmission service provider.

In the financial year 2015-16, Tanda Transmission Company Ltd. has had a total Authorised Capital of ₹ 0.05 crore and Paid-up Capital of ₹ 0.05 crore. The registered office is located at First Floor, Urjanidhi Building, 1 Barakhamba Lane, New Delhi.

11.4.73 Tatiya Andhra Mega Power Limited (TAMPL)

Tatiya Andhra Mega Power Limited (TAMPL) is one of the SPVs and a wholly owned subsidiary of Power Finance Corporation Limited under the administrative control of Ministry of Power. It was incorporated on 17th April, 2009 for the development of UMPP in Andhra Pradesh. The Authorised Capital and Paid-up Capital of the company, as on 31.3.2016, are ₹ 0.05 crore each. TAMPL has been established to undertake preliminary studies and to facilitate tie-ups of inputs, linkages and clearances for the projects such as water, land and environment

clearances. The registered office is located at First Floor, Urjanidhi Building, 1 Barakhamba Lane, New Delhi.

11.4.74 TCIL Lakhnadone Toll Road Limited (TLTRL)

TCIL Lakhnadone Toll Road Ltd. is a SPVs and a wholly owned subsidiary of Telecommunications Consultants India Limited (TCIL) under the administrative control of Ministry of Communications and Information Technology. It was incorporated on 21st August, 2013 with its registered office at New Delhi. Main activities of this company are to design, built, finance, operate and transfer (DBFOT), the Lakhnadon-Ghansore Toll Road Project. The Authorised Capital and Paid-up Capital of the company, as on 31.3.2016, are ₹ 25 and ₹ 23.11 crore, respectively.

11.4.75 Yule Electrical Limited (YEL)

Yule Electrical Limited was incorporated on 23 August, 2007 and is a wholly owned subsidiary company of Andrew Yule & Co. Ltd. YEL is involved in manufacturing and dealers in electrical power transmission, distribution and electronics equipment etc. The Authorised Capital and Paid-up Capital of the company, as on 31.3.2016, are ₹ 150.00 crore and ₹ 0.05 crore respectively. YEL registered address is 8, Dr. Rajendra Prasad Sarani Kolkata West Bengal India 700001, Kolkata - 700001, West Bengal, India.

11.4.76 Yule Engineering Limited

Yule Engineering Limited was incorporated on 23 August, 2007 and is a wholly owned subsidiary company of Andrew Yule & Co. Ltd. YEL is involved in Marketing, Selling, Manufacturing etc. of Industrial Fans, Tea Machineries, Air Pollution Control System. The Authorised Capital and Paid-up Capital of the company, as on 31.3.2016, are ₹ 3.00 crore and ₹ 0.05 crore respectively. YEL registered address is 8, Dr. Rajendra Prasad Sarani Kolkata West Bengal India 700001, Kolkata - 700001, West Bengal, India.

Chapter-12

Revival and Restructuring of Sick / loss making CPSEs

Introduction:

As the Central Public Sector Enterprises (CPSEs) operate under dynamic market conditions, there are bound to be uncertainties & fluctuations in their performances. Some CPSEs have, however, been incurring losses continuously for the last several years. The accumulated losses in many of these cases have exceeded their net worth.

12.1 Reasons for Losses and Sickness in CPSEs

The reasons for losses/ sickness in CPSEs vary from enterprise to enterprise. However, some common problems for sickness in CPSEs include old and obsolete plant and machinery, outdated technology, low capacity utilization, low productivity, poor debt–equity structure, excess manpower, weak marketing strategies, stiff competition, lack of business plans, dependence on Govt. orders, heavy interest burden, high input cost, resource crunch, etc. With liberalization and opening up of the economy, many CPSEs that did not evolve fast lost ground to private companies. Attempts have, therefore, been made to overcome “sickness” in these CPSEs through various measures.

12.2 Streamlining the mechanism of revival/restructuring of Central Public Sector Enterprises (CPSEs) – winding up of BRPSE

12.2.1 Multiple mechanisms exist for the restructuring / revival of sick/loss making CPSEs. Sick Industrial Companies as defined in the Sick Industrial Companies Act 1985 were referred to the Board for Industrial and Financial Reconstruction (BIFR), which suggested a restructuring plan.

12.2.2 Government has taken steps to make the mechanism and process for revival/restructuring of CPSE time bound, comprehensive, performance driven and efficient. The Government has decided to remove the multiple layers in decision making to ensure timely revival/restructuring of sick CPSEs. It has been decided that revival/restructuring of sick/incipient sick CPSE is to be merit based, taking into

account strategic, national and business concerns of the CPSE. Accordingly, Government has wound up BRPSE vide notification dated 9th November, 2015 and the concerned administrative Ministries/ Departments will be responsible to monitor sickness of CPSEs functioning under them and take timely redressal measures with the approval of the competent authority.

12.3 The Companies Act, 2013 Chapter XIX refers to Revival and Rehabilitation of Sick Companies and Chapter XX to Winding up of the Companies. The decision whether a company has become a sick company would be taken by the Tribunal (National Company Law Tribunal). The Administrative Ministries/ Departments have to keep track of the debts of CPSEs and take advance action to avoid a situation where the CPSEs may be considered fit to be declared a sick entity as per provisions of the Companies Act, 2013. The concerned administrative Ministries/Departments are now responsible to monitor sickness of CPSEs functioning under them and take timely redressal measures with the approval of the competent authority.

12.4 Guidelines for “Streamlining the mechanism for revival and restructuring of sick/incipient sick and weak Central Public Sector Enterprises: General principles and mechanism of restructuring:

12.4.1 The Government has further approved on 7.10.2015 that Department of Public Enterprises will issue guidelines for streamlining the mechanism for revival and restructuring of sick/ incipient sick and weak CPSEs and to make any change therein that may be required in future. Accordingly, DPE has issued guidelines on 29.10.2015 for “Streamlining the mechanism for revival and restructuring of sick/ incipient sick and weak Central Public Sector Enterprises: General principles and mechanism of restructuring” to be followed by the administrative Ministries /Departments in preparation of proposals for revival/restructuring or closure of CPSEs under their administrative control. The guidelines are given in **Annex-12.1**.

12.4.2 These guidelines lay down the mechanism for streamlining the process of restructuring / revival or closure of sick or incipient sick CPSEs and weak CPSEs and replace the multiple options available for the same purpose. These guidelines, inter alia, lay down the parameters to identify sick, incipient sick CPSEs and weak CPSEs by the concerned administrative Ministry/Department. The administrative ministry may prepare a revival or restructuring plan which may involve comprehensive restructuring, disinvestment, closure etc. of the sick and incipient sick CPSE and take it directly to the competent authority for appropriate decision. The concerned administrative Ministries/ Departments are to take steps/initiate process in a specified timeframe so that such decisions are taken and implemented in a time bound manner.

12.4.3 The administrative ministry, at the end of the each financial year, will analyse the performance of its CPSEs and classify them into the categories namely sick, incipient sick and weak CPSEs, within 6 months of the closure of the financial year or within one month from finalisation of Annual Accounts, whichever is earlier.

12.5 Definition of sick, incipient sick and weak CPSEs:

(i) Sick CPSEs:

As per the guidelines, a CPSE is considered sick, if it meets one of the following criteria:

- a. If it is declared sick as per the provisions of the Companies Act, 2013.
- b. If it's net worth is negative.

(ii) Incipient sick CPSEs:

As per the guidelines, a CPSE is considered incipient sick, if it meets one of the following criteria:

- a. If its net worth is less than 50% of its paid-up capital in any financial year.
- b. If it had incurred losses consecutively for three years.

(iii) Weak CPSEs:

As per the guidelines, a CPSE is considered weak or sub-optimally performing, if it meets one of the

following criteria:

- a. If its turnover or its operational profit has declined by more than an average of 10% in the last 3 years.
- b. If its profit before tax is less than income from the other sources.
- c. If its trade receivable and inventories are more than 50% of net worth of the CPSE.
- d. If the claims against the company, not acknowledged as debts, are more than its net worth.
- e. Any other criteria as may be prescribed to quantify early signs of weakness in the performance of the CPSEs by the government.

In all the reference to net worth, it would have the same meaning as defined under Section 2 (57) of the Companies Act, 2013.

12.6 As per the guidelines, the administrative Ministry/Department classify CPSEs functioning under their control into sick, incipient sick and weak CPSEs within 6 months of the closure of the financial year or within one month from finalization of Annual Accounts, whichever is earlier. The concerned administrative Ministry/ Department formulate revival/ restructuring/ closure road map for sick CPSEs as per the principles outlined in the guidelines. This would be done within three months from the issue of these guidelines in case of existing sick CPSEs and within nine months from the end of the financial year for a CPSE becoming sick subsequently.

The administrative ministry will take the following action:

- (a) The administrative ministry will put weak CPSEs under "observation and intensive review" to arrest the early signs of weakness in such CPSEs. It may include nomination of independent expert members on the board, quarterly intensive review or special reviews for taking corrective business, operational and financial measures at the board level, fixing the

responsibility for declining performance or non-performance or any other corrective step as may be appropriate and necessary by the administrative ministry or department.

(b) The administrative ministry will initiate the process for preparation of restructuring/ revival plan, which may include disinvestment or privatisation or closure options, for sick/ incipient sick CPSEs based on the classification as given above within 6 months from the closure of the financial year or within one month from finalisation of Annual Accounts, whichever is earlier.

(c) Restructuring and revival plan for the sick and incipient sick CPSEs shall be prepared within nine months of the closure of the financial year.

(d) External expert agency which has experience and expertise of the business environment, operational issues, technology option and financial viability of the sector in which such CPSE is functioning may be engaged by the government and shall function under the supervision of the administrative ministry for preparation of the future road map.

12.7 A Committee has been constituted in NITI Aayog for regular monitoring of the implementation of revival packages sanctioned for the sick/loss making CPSEs.

12.8 Guidelines on Time bound Closure of Sick/ Loss making Central Public Sector Enterprises (CPSEs) and disposal of movable and immovable assets

DPE has issued guidelines on 07.09.2016 for “time bound closure of Sick/ Loss Making Central Public Sector Enterprises (CPSEs) and disposal of Movable and Immovable assets.” The detailed guidelines are given in **Annex-12.2**.

12.9 The guidelines are intended to expeditiously complete the various processes and procedures for closure of CPSEs and lay down responsibilities of the administrative ministries/ departments/ CPSEs, including the support required to be extended by nodal departments/ organisations like Ministry of Finance, NITI Aayog, etc.

12.10 Applicability of Time bound Closure of Sick/ Loss making Central Public Sector Enterprises (CPSEs)

These guidelines shall apply to all sick/ loss making CPSEs, where:

- (i) Approval for closure has been obtained by administrative Ministry/ Department from the CCEA/ Cabinet; or
- (ii) In-principle approval for closure has been given by the CCEA/ Cabinet on the proposal/ recommendation of the administrative Ministry/ Department/ NITI Aayog; or
- (iii) The administrative Ministry/ Department has decided for the closure of the CPSE.

12.11 Sick Industrial Companies (Special Provisions) Act, 1985 (SICA)

The Sick Industrial Companies (Special Provision) Act, 1985 (SICA) brought the CPSEs under its purview in 1991 (made effective from 1992). Under the provisions of SICA, the CPSEs (with at least five years of registration) whose accumulated losses are equal to or have exceeded their net worth may be referred to the BIFR. Reference to BIFR grants immunity from legal sanctions to the company arising from proceedings from execution of decree against property, suit for recovery of money and suit for enforcement of guarantor in respect of loans etc. The BIFR, on examination, may either sanction suitable revival / rehabilitation schemes (in case of enterprises which are viable) or recommend closure (in respect of enterprises considered unviable). During the period of the last twenty four years i.e. between 1992 to 2016, 65 CPSEs have been referred to BIFR (Table 12.1). There were no references made to BIFR between the years 2008 to 2013. Year-wise registration of CPSEs with BIFR is given below:

Table 12.1

Year-wise Registration of CPSEs with BIFR

Year	No. of CPSEs	Year	No. of CPSEs
1992	31	2004	4
1993	2	2005	2
1994	4	2006	1
1995	2	2007	1
1996	2	2008	0
1997	4	2009	0
1998	2	2010	0
1999	3	2011	0
2000	1	2012	0
2001	1	2013	0
2002	2	2014	2
2003	1	2015	0
		2016	0
		Total	65 #

Note: Nagaland Pulp and Paper Co. Ltd., Bienco Lawrie Ltd. and Hindustan Cables Ltd. have been registered with BIFR more than one time. *This includes the subsidiaries of NTC, which have been merged into one company and registered again in 2008 after merger.

Since Mandya National Paper Mills Limited has been wound up, Jessop & Co. Ltd. has been privatized, U.P. Drugs and Pharmaceuticals Limited has been transferred to the U.P. Government, all the nine subsidiaries of NTC (Holding) Ltd. have been merged with NTC (Holding) Co., Indian Iron and Steel Co. Limited, Bharat Refractories Limited (BRL) and Maharashtra Elektros melt Limited have merged with SAIL, and Praga Tools Ltd. merged with HMT Ltd, these CPSEs have not been included in the list of BIFR referred CPSEs.

12.12 The status of the 65 sick CPSEs registered with BIFR as on 31.03.2016 is given in the table 12.2 below:

Table 12.2

Status of CPSEs registered with BIFR

(As on 31.03.2016)

Sl. No.	Particulars	Number
1.	Revival Scheme sanctioned by BIFR	13
2.	Declared no longer sick	5
3.	Dropped on net worth becoming positive	5
4.	Dismissed as non-maintainable	3
5.	Deregistered with BIFR / Others	2
6.	Winding up recommended and closed	18
7.	Winding up recommended	4
8.	Draft Rehabilitation Scheme (DRS) awaited	12
9.	Stay by AAIFR	1
10.	Remanded by AAIFR	1
11.	Pending determination of sickness	1
	Total	65

12.12.1 BIFR has already disposed of 50 cases of CPSEs either through sanctioning revival schemes (13 cases) or declaring 'no longer sick' (5 cases) or dropping due to net worth becoming positive (5 cases) or dismissing the cases as non-maintainable (3 cases) or de-registered with BIFR / Others (2 cases) or recommending winding up (22cases). Details of 65 cases which have been registered with BIFR are given at Annex-12.3.

12.13 Although, 65 CPSEs have been referred to BIFR, there are only 40 CPSEs that are in operation. Details of accumulated losses of sick operating CPSEs registered with BIFR and aggregate losses of loss making operating CPSEs during the period 2007-08 to 2015-16 are given in Table 12.3 below:

Table 12.3
Sick & Loss making operating CPSEs

Year	No. of operating sick CPSEs Registered with BIFR	Accumulated losses of sick operating CPSEs Registered with BIFR (₹ in crore)	No. of Loss making CPSEs, during the year	Aggregate Loss, during the year (₹ in crore)
(1)	(2)	(3)	(5)	(6)
2007-08	46	72820	54	10303
2008-09	46	68577	55	14621
2009-10	46	62828	60	16231
2010-11	45	65146	62	21817
2011-12	45	65642	64	27683
2012-13	45	70918	79	28562
2013-14	44	55507	70	21341
2014-15	39	56065	76	27498
2015-16	40	51670	78	28756

12.13.1 Out of 40 CPSEs registered with BIFR as on 31.03.2016, five CPSEs, namely Andrew Yule & Company Ltd. (₹16.22 crore), Hindustan Insecticides Ltd. (₹2.22 crore), Projects & Development India Ltd. (₹88.45 crore), Scooters India Ltd. (₹13.26 crore), and Vignyan Industries Ltd. (₹1.72 crore), do not have accumulated losses as on 31.03.2016.

Guidelines for “Streamlining the mechanism for revival and restructuring of sick/ incipient sick and weak Central Public Sector Enterprises: General principles and mechanism of restructuring”

These guidelines are laid down for streamlining the mechanism for restructuring / revival or closure of sick or incipient sick CPSEs and replace the multiple process options available for the same purpose.

2. Multiple mechanisms for restructuring / revival of sick and incipient sick CPSEs exist. Sick industrial companies as defined in Sick Industrial Companies Act 1985 are referred to Board for Industrial Financial Reconstruction (BIFR), which suggest a restructuring plan and seek sacrifices & commitments from promoters and stake holders. Board for Reconstruction of Public Sector Enterprises (BRPSE) has been created to advise the government through the resolution No.16(25)2004-Fin. dated 6th December, 2004 to consider the restructuring or revival plan of CPSEs prepared by a CPSE itself under the guidance of its administrative ministry. The administrative ministry may, in the public interest, prepare a revival or restructuring plan for a CPSE which may involve comprehensive restructuring, disinvestment, closure etc of the sick and incipient sick CPSE and take it directly to the competent authority for appropriate decision.

3. Primary responsibility for supervision of a CPSE for its efficient functioning lies in the administrative ministry and final view for restructuring and revival of sick and incipient sick CPSEs or taking appropriate measures for CPSEs showing early indications of weakness has to be taken by them with approval of the competent authority after inter - ministerial consultation and concurrence of the Ministry of Finance through PIB/ EFC mechanism as may be required. It is in the public interest to make this process, time bound, comprehensive, performance driven and efficient so that such decisions are taken and implemented in a time bound manner to minimise further losses. Hence there is a need to lay down broad principles

and guidelines to be followed in such cases.

4. Guidelines:

4.1 The Companies Act, 2013 Chapter XIX refers to Revival and Rehabilitation of Sick Companies and Chapter XX to Winding up of the Companies. The decision whether a company has become a sick company would be taken by the Tribunal (National Company Law Tribunal). The Administrative Ministries/ Departments have to keep track of the debts of CPSEs and take advance action to avoid a situation where the CPSEs may be considered fit to be declared sick entity as per provisions of the Companies Act, 2013.

4.2 The administrative ministry shall, at the end of the each financial year, analyse the performance of its CPSEs to classify them by a specific order in the following categories within 6 months of the closure of the financial year or within one month from finalisation of Annual Accounts, whichever is earlier.

4.2.1 **Sick CPSEs:** A CPSE shall be considered sick if it meets one of the following criteria:

- a. If it is declared sick as per the provisions of the Companies Act, 2013.
- b. If its net worth is negative.

4.2.2 **Incipient sick CPSEs:** A CPSE would be considered incipient sick if it meets one of the following criteria:

- a. If its net worth is less than 50% of its paid-up capital in any financial year.
- b. If it had incurred losses consecutively for three years.

4.2.3 **Weak CPSEs:** A CPSE would be considered

weak or sub optimally performing if it meets one of the following criteria:

- a. If its turnover or its operational profit has declined by more than an average of 10% in the last 3 years.
- b. If its profit before tax is less than income from the other sources.
- c. If its trade receivable and inventories are more than 50% of net worth of the CPSE.
- d. If the claims against the company, not acknowledged as debts, are more than its net worth.
- e. Any other criteria as may be prescribed to quantify early signs of weakness in the performance of the CPSEs by the government.

4.3 In all the reference to Net worth, it would have the same meaning as defined under Section 2 (57) of the Companies Act, 2013.

4.4 The administrative ministry will take the following action:

(a) The administrative ministry will put weak CPSEs under “**observation and intensive review**” to arrest the early signs of weakness in such CPSEs. It may include nomination of independent expert members on the board, quarterly intensive review or special reviews for taking corrective business, operational and financial measures at the board level, fixing the responsibility for declining performance or non-performance or any other corrective step as may be appropriate and necessary by the administrative ministry or department.

(b) The administrative ministry shall initiate the process for preparation of restructuring/ revival plan, which may include disinvestment or privatisation or closure options, for sick/ incipient sick CPSEs based on the classification as given above within 6 months from the closure of the financial year or within

one month from finalisation of Annual Accounts, whichever is earlier.

(c) Restructuring and revival plan for the sick and incipient sick CPSEs shall be prepared within nine months of the closure of the financial year.

(d) External expert agency which has experience and expertise of the business environment, operational issues, technology option and financial viability of the sector in which such CPSE is functioning may be engaged by the government and shall function under the supervision of the administrative ministry for preparation of the future road map.

4.5 Restructuring and revival plan with the help of the agency and other experts, as may be required, shall be prepared by the administrative ministry/ department and shall specifically include:

4.5.1 Perspective of Relevance and Functioning:

a) Background and purpose of the formation of the CPSE.

b) Economic and regulatory environment along with their impact on the growth of the company

c) Liberalisation and its impact on its business operation

d) Ability of the CPSE in adapting new business strategies, technology to regain and sustain its economic viability.

e) Efforts and special interventions made for its revival or avert early sickness and its impact on the health of the CPSE.

4.5.2 Strategic Plan for Restructuring/Revival:

(a) The concerned administrative ministry/ department should clearly bring out the national and strategic interest served by the CPSEs in the light of the sectoral business environment, domestic as well as global.

- (b) Prevailing market need to be analysed for supply of goods or services through other providers in the private sector, domestic or from other countries, to bring out if there is a specific role of the CPSE in this segment to serve the national strategic or defence interests.
- (c) Keeping the business environment other relevant facts in mind, a CPSE may be categorised as a high priority or priority CPSE to meet the strategic interest of the country. For this purpose, a report of the 14th Finance Commission may also be referred to.
- (d) All other sick CPSEs which are not required to serve the strategic national/ defence interests should be categorised as **non priority** CPSEs.

4.5.3 Business Plan for Restructuring/ Revival Plan:

A. High Priority or Priority CPSE.

- a) For high priority CPSEs, the business plan has to be made keeping in mind the strategic national interest and economically viable business opportunities.
- b) For strategic business model, requirement for Government policy convergence should be clearly spelt out to meet the economic viability of such enterprises. Also, viability gap funding, if required for such strategic operations have to be brought out.
- c) For high priority sector, the business plan may be drawn seeking specific financial and non-financial support from the Government. It may include strategic disinvestments or joint ventures etc.

B. Non-priority CPSE.

- a) For CPSEs in the non-priority category, the business plan is to be made on business

and economic viability model to attain self-sufficiency in short or medium term.

- b) Business plan should be based on performance efficiency bench marks, viable scale of economic operation and road map for technology adoption/ upgradation to support business strategy for viability and sustainability over period of time.
- c) Business reorganisation through merger, demerger or closure of various business activities.
- d) It should support desirable market share to be sustainable in the medium and long term.
- e) All the presumptions underlying the business plan with respect to their business environment, economic viability and mechanism of funding should be market validated and credibly established.

4.5.4 Operational Restructuring:

- a) Keeping in mind the business plan, the required human resource needs are to be assessed and rationalised.
- b) It may be seen whether sectoral efficiency benchmarks as are existing globally/ domestically can be achieved by the CPSE in short or medium term through implementation of this plan in shortest period of time.
- c) Options for adopting requisite technology and up-gradation of the same as per requirement through various management options including JV, disinvestment or privatisation to be factored into the operational restructuring plan.
- d) The options of merger or de-merger of various operations in line with the proposed business plan to ensure continuous procurement of new technology and its up-gradation.

4.5.5 Financial Restructuring Plan:

- a) For high priority and priority CPSEs, a comprehensive financial restructuring plan should be drawn comprising various methods of financing with minimum and unavoidable viability gap funding in the strategic national/ defence interest. Limited private investment through disinvestment within permissible limits may also be considered under financial plan.
- b) In case of other (non priority) CPSEs financing plan should be based on economic viability of operations. Various options of leveraging private and/or institutional funding may be explored.
- c) Details of projected profitability/cash flow for the next five years. These presumptions should be pragmatic and market validated.

4.6 Mechanism and Methodology to be followed for restructuring/ revival/closing of sick CPSEs

- (a) The concerned administrative ministry/ department would classify the CPSE as sick CPSE, incipient sick or with early indications of weakness as per para 4.2 above. The concerned Administrative Ministry/ Department will also inform DPE about the status of CPSE accordingly.

- (b) The concerned administrative ministry/ department will be responsible for formulating revival/ restructuring/ closure road map for sick CPSEs as per the principles outlined above. This would be done within three months from the issue of these guidelines in case of existing sick CPSEs and within nine months from the end of the financial year for a CPSE becoming sick subsequently.
- (c) Administrative Ministry/ Department may engage credible expert organisation for drawing of business, operational and financial restructuring plans. Such expert entity, if appointed, should function under the direct control of administrative ministry/ department so as to draw a professionally credible, implementable and realistic restructuring plan. Suitable mechanism for market validation should be incorporated during the Request for Proposal (RFP) stage of engagement of expert(s)/ expert organisation(s) and the market validation should be cross checked and confirmed by the administrative ministry/ department as well.
- (d) Implementation plan with specified time line for various stages should be objective, quantifiable and supported with the monitoring mechanism.

Subject: Guidelines for time bound closure of Sick/ Loss Making Central Public Sector Enterprises (CPSEs) and disposal of Movable and Immovable assets.

The Government has been concerned about the inordinate delays and extended time taken for closing down Sick/ Loss Making Central Public Sector Enterprises (CPSEs) where decisions for closure were taken long time back. For such CPSEs, Government has been providing budgetary support straining its scarce resources. The Government would now like to ensure that the decisions taken by the competent authority are implemented by ensuring payment of financial compensation, discharging of liabilities, legal responsibilities, disposal/ monetisation of lands and moveable assets in a time bound manner.

To expeditiously complete the various processes and procedures for closure of CPSEs and lay down responsibilities of the administrative ministries/ departments/ CPSEs, including the support required to be extended by nodal departments/ organisations, guidelines for time bound closure of Sick/ Loss Making CPSEs and disposal of movable and immovable assets are laid down hereunder:

1 Applicability: These guidelines shall apply to all sick/ loss making CPSEs, where –

- (i) approval for closure has been obtained by administrative Ministry/ Department from the CCEA/ Cabinet; or
- (ii) in-principle approval for closure has been given by the CCEA/ Cabinet on the proposal/ recommendation of the administrative Ministry/ Department/ NITI Aayog.
- (iii) the administrative Ministry/ Department has decided for the closure of the CPSE and the process for obtaining the approval of the competent authority is underway.

Note: These guidelines shall not apply to CPSEs under liquidation where liquidator has been appointed. However, the Administrative Ministry/ Department of such CPSE(s) may take necessary action in respect of various

activities relating to closure of the CPSE and disposal of its movable/immovable assets in consultation with NITI Aayog and in accordance with the legal requirements of the liquidation process.

2. Definitions

- (i) **Zero Date** shall be the date of issue of minutes conveying the decision of Cabinet/ CCEA for closure. In respect of those CPSEs where approval for closure has already been obtained, the **zero date** shall be the date of issue of these guidelines.
- (ii) **Preparatory Date** shall be the date of issue of minutes conveying the decision of in-principle approval of Cabinet/ CCEA for closure or date of decision for closure by the administrative Ministry/ Department, as the case may be.
- (iii) **CPSE:** The definition of ‘CPSE’ given by DIPAM vide O.M. No. 5/2/2016-Policy dated 27.5.2016 regarding Capital Restructuring of Central Public Sector Enterprises (CPSEs) shall apply for the purpose of these guidelines, which is reproduced below:

“all corporate bodies where Government of India and/or Government controlled one or more body corporate have controlling interest.

 - (i) Body corporates shall include body incorporated under the provisions of the Companies Act, 1956 or the Companies Act, 2013, or under any other Act as may be applicable except Limited Liability Partnership.
 - (ii) Controlling interest means control over the composition of the Board of Directors; or exercise or control over more than one-half of the total share capital or able to exercise more than 50 per cent voting rights in the

meeting of the members, Board of Directors or any other similar executive structure, e.g., Governing Body, Executive Committee, etc.

A body corporate in which Government of India and/ or CPSEs, including their subsidiaries, control the composition of the Board of Directors; or exercise or control more than one-half of the total share capital shall be deemed to be a body controlled by Government of India.”

Note: Banks and Insurance companies will not be covered in the above definition of CPSE for the purposes of these guidelines.

(iv) **Land Management Agency (LMA)** is the CPSE, such as NBCC/EPIL, which is nominated by the administrative Ministry/ Department/ the Board of the CPSE under closure to manage, maintain and assist in disposal of land.

(v) **Auctioning Agency (AA)** is the CPSE, such as MSTC, which is nominated by the administrative Ministry/ Department/ the Board of the CPSE under closure to dispose of movable and immovable assets through e-auction in a transparent manner.

3. Preparatory Activities before Decision on Closure

The CPSEs mentioned in para 1 (ii) and (iii) of the guidelines shall take advance preparatory action for such CPSEs which shall include the following:

3.1 Estimation of Statutory dues: The CPSE will estimate the statutory dues/ liabilities towards revenues, taxes, cesses and rates due to Central Government or State Government or to local authorities under the supervision of its administrative Ministry/ Department.

3.2 Estimation of dues of employees:

(i) Preparation of VRS/ VSS package at 2007 notional pay scale, irrespective of the pay scale in which the CPSE is operating for release of the employees. Estimation of

financial implications for such a package.

(ii) Estimation of funds required for payment of wages/salaries and statutory dues in respect of the employees till the time the employees are released by way of opting for VRS/ VSS/ retrenched or settled.

(iii) Total Estimated budgetary support for (i) and (ii) above with the phasing of requirement of funds and time lines

3.3 Estimation of liabilities towards Secured Creditors etc.

(i) Secured creditors are those in whose favour a charge has been created on the assets of the Company and filed/ registered with the Registrar of Companies.

(ii) Administrative Ministry/ Department will negotiate with the secured creditors to settle their dues at the minimum value as One Time Settlement (OTS). Administrative Ministry/ Department may critically examine the best possible settlement including schedule of payment, waiver of interest and penalties with secured creditors so that it requires minimum budgetary support.

(iii) Processing of offers from secured creditors and statutory dues for settling them at minimum value and estimation of the total amount so determined to be paid back to the secured creditors.

(iv) Modalities of the settlement of liabilities covered by the Government guarantees will be settled in consultation with the Ministry of Finance.

3.4 Estimation of dues payable to the Central Government: The dues payable to the Central Government availed in the form of loans extended from time to time, segregated into the principal outstanding amount and the interest thereon shall be worked out.

3.5 Estimation of other liabilities : Administrative Ministry/ Department will

get the estimates of all other liabilities required to be paid including unsecured creditors.

3.6 Estimation of Movable assets:

- (i) Updating details of movable assets including plant(s) & machineries. The inventory of all moveable assets should be got verified/certified from an independent third party e.g. a firm of Chartered Accountants;
- (ii) Book Value of the movable assets as well as the current estimated market value and estimation of realisable value from their sale by the CPSE/ administrative Ministry/ Department.
- (iii) Where movable assets are on lease negotiation with the lessor whether he would take it back at market price or would like it to be auctioned.
- (iv) Ascertaining whether movable assets are to be utilised by holding CPSE, if any or by the administrative Ministry/ Department.
- (v) Ascertaining whether factory/ office building (superstructure) is required to be disposed off alongwith movable assets or alongwith land.
- (vi) Ascertaining of market value of brand name, goodwill, trademarks, etc. of the CPSE under closure.

3.7 Estimation of receivables including trade receivables, securities, loans and advances, etc.

3.8 Estimation of Budgetary Support Required for closure

- (i) Total Estimated funds required for financing the closure of the Company which would include liabilities at para 3.1 to 3.5 above, along with time-lines/ phasing of release of funds from the Central Government.
- (ii) CPSE's own resources, including amount to be realised from sale of assets, which may be available for settlement of liabilities during the course of closure shall be taken into account for working out the requirement for

budgetary support, with phasing of funds and time lines.

3.9 Immovable assets including buildings:

- (i) Updating of land records with geo-mapping and details such as title deed, lease hold land, free hold land, conditions of lease, remaining period of lease, current land use, FAR and other rights relating to use of land, whether land compensation (partly/fully) has been paid by the CPSEs/ Central Government at the time of acquisition, amount of compensation paid, status of possession of land, encroachments, if any, etc.
- (ii) Obtaining the concurrence/ agreement of the State Government in respect of utilisation/ settlement of lease hold land of the CPSE intended to be closed for further use for similar or identical activities as per local laws governing land use by other Central Government/ State Government/ Departments or PSEs/ organisations for public purpose/ expansion of economic activities, etc, if options possible.
- (iii) Valuation of land at the prevalent circle rates or current acquisition cost (excluding the R&R expenses).
- (iv) Ascertaining whether immovable assets are to be utilised by holding CPSE, if any or by the administrative Ministry/ Department failing which appointment of Land Management Agency (LMA) and sharing information with it.

4. CPSEs under Board for Industrial and Financial Reconstruction (BIFR)

NITI Aayog shall advise the administrative Ministry/ Department in respect of the CPSEs which are sick and are registered under BIFR or proceedings are pending before the AIIFR regarding the two alternative courses of action, namely, liquidation under BIFR or taking the CPSE out of BIFR through appropriate financial restructuring, after analysing the

assets and liabilities of the company. If the NITI Aayog suggests taking the CPSE out of BIFR purview, the concerned administrative Ministry/ Department shall submit the appropriate financial restructuring/ support proposal to the competent authority to the extent required to make its net-worth positive so that the sick CPSE is taken out of the purview of BIFR.

5. Responsibility of the Board of Directors of CPSEs for Closure

In respect of CPSEs where decision for closure has been taken or in-principle approval for closure has been given by Cabinet/ CCEA, the Directors of the CPSE should provide all support and material required in formulating the closure proposal and its implementation, failing which the administrative Ministry/ Department shall take a view on removing the Functional Directors including the CMD and give additional charge of the CMD to the Joint Secretary concerned and charge of other functional Directors to other senior officers in the administrative Ministry/ Department. This fact of removal of the Functional Directors including the CMD will be communicated to the PESB.

6. Role of the administrative Ministry after in-principle Decision for Closure

In respect of the CPSEs mentioned in para 1 (ii) and (iii) of the guidelines, the concerned administrative Ministry/ Department will be responsible for formulating the detailed proposal for closure of the CPSE and place the same before the Cabinet/ CCEA within a period of three months. It shall be ensured by the administrative Ministry/ Department that all relevant details along with their financial implications, details of liabilities, movable and immovable assets to be offered for sale are covered in the approval para of the proposal for closure of the CPSE.

7. Role of the Administrative Ministry/

Department after Decision for Closure

After obtaining decision of the competent authority on closure of the CPSE, the administrative Ministry/ Department shall take up the following processes and activities:-

7.1 Request for Budgetary Support: Request budgetary support from the Department of Expenditure, Ministry of Finance, within 15 days from the Zero date. For this, a mechanism for time bound release of funds required to implement all aspects of closure of CPSEs may be put in place by the Department of Expenditure, Ministry of Finance so that funds are released within one month of receiving the request, except where Parliamentary approval for Supplementary Demand for Grants is required.

7.2 Settlement of Liabilities:

- (i) Instruct the CPSE for taking necessary action for bringing the CPSE out of BIFR/AIIFR, if required;
- (ii) Instruct the CPSE for payment of statutory dues/ liabilities towards revenues, taxes, cesses and rates due to Central Government or State Government or to the local authorities;
- (iii) Instruct the CPSE to give a general notice within 05 days from the Zero date to employees and other stakeholders intimating about intended closure. Intimate/ apply to the Ministry of Labour and Employment in respect of closure, as may be applicable under Industrial Disputes Act, 1947. Implement VRS package with a timeframe/ final cut-off date and settle wages/salaries of employees and statutory dues within 3 months from the Zero Date or within such extended time required due to the need to seek Parliamentary approval for additional funds.
- (iv) Take action for completing the legal formalities for retrenchment of employees not opting for VRS within the stipulated period of time by

payment of compensation as per law.

- (v) Settlement of secured creditors. The settlement should be completed within 3 months from the Zero Date unless there are financing constraints beyond the control of the administrative Ministry/ Department.
- (vi) Settlement of other liabilities should be the next priority.

7.3 Disposal of Assets

In case the CPSE is a subsidiary of another CPSE and if the assets are required by such holding company, the same may be transferred to the holding company at book value, in consultation with the State Government, wherever so required within 30 days from zero date. Similarly, if assets are required by the administrative Ministry/ Department for its own use, the same may be transferred to it at book value within 30 days from zero date. In respect of remaining assets, guidelines as mentioned in subsequent paras, i.e., 8, 9 and 10 shall apply.

8. Disposal of Movable Assets

- (i) The CPSE shall carry out the processes of disposal of movable assets including plant & machinery in a transparent manner immediately after 'Preparatory Date' under the supervision of Administrative Ministry/ Department.
- (ii) The leasehold assets may be transferred to the lessor at his option.
- (iii) The CPSE in consultation with the administrative ministry/ department, if necessarily required, may dispose of factory building structure along with disposal of movable assets.
- (iv) If there is a need for auction of movable assets including brand name, goodwill, trade marks, etc., Auctioning Agency shall be nominated by the Administrative Ministry/ Department/ CPSE for completing the job within three

months from the zero date.

- (v) If the CPSE is not able to dispose off movable assets within the stipulated time-frame, it should be brought to notice of the Administrative Ministry/ Department and Niti Aayog by the CPSE. Thereafter, the Administrative Ministry/ Department shall redress the matter within 15 days and shall take a decision on settlement of the disposal of movable assets.

9. Disposal of Immovable Assets: Land & Building

Considering that land of the CPSE may be lease-hold or free-hold or a conditional Land Grant with restricted rights of occupation and use, the CPSE shall carry out the following activities after examining issues mentioned in para 3.8 above, under close supervision and guidance of the administrative Ministry/ Department and in consultation with State Government(s)/ lessor, wherever required.

9.1 Disposal of Lease Hold Land

- (i) **Leasehold land with conditions:** Lease hold land with specific condition that it will be given back to the State in case the CPSE ceases to exist or non-utilisation of land for the purpose for which it had been allotted etc. or where there is no provision of sale in the lease agreement, such land may be returned to the State Government on receipt of financial compensation determined as per the terms and conditions of the Lease or Land Grant Agreement. In such a case, financial compensation, if any, paid by the CPSE/ Central government at the time of acquisition or the higher amount shall be re-paid/ paid by the State government while taking back the land.
- (ii) **Other Lease hold land:** In case the terms and conditions of the Lease do not contain any restrictive conditions regarding the use/ disposal of such land, and/or do not confer any pre-emptive rights in favour of the State/

lesser in the event of closure of the CPSE, the subject land may be treated akin to freehold land and dealt with in the same manner as prescribed for the freehold land, subject to any specific terms and conditions of the Lease.

9.2 Disposal of Free Hold Land: Free hold land is generally allotted to the CPSE by the State government after acquisition or purchased by CPSE directly. There may or may not be conditions of land use attached to such land. In case of freehold land with conditions of land use attached, best possible use of such land may be worked out in the light of the original land-use of the land or the current land-use of the area as per the master plan of the locality, whichever is better. The following process shall be followed for settlement of the freehold land of the CPSEs:

- (i) CPSE/ administrative Ministry/ Department shall first invite the offers for purchase of land through LMA and determine the demand for such land. Land shall be allotted, subject to the approval of the Cabinet/ CCEA as required, in order of priority mentioned below at the current circle rates applicable at the time of offer and/ or the prevalent acquisition cost (excluding the R & R Costs). In case any the organisation is willing to take the entire land (without any division thereof), the same shall be given priority over others.

Order of priority:

- (a) Central Government Department(s)
- (b) Central Government Bodies/CPSEs
- (c) State Departments
- (d) State Government Bodies/ State PSEs/ State Authorities
- (ii) In case, above category of organisations are interested in taking part of the land, it would require preparation of a Development Plan of the area of land, plotting and provision of internal infrastructure works/ facilities, which

shall be prepared by LMA and presented to the CPSE/ administrative Ministry/ Department. The administrative Ministry/ Department will consider the land development plan, approve it including the scheme of financing and may entrust LMA or any other suitable agency(ies) to execute it to ensure allotment/ settlement of such divided land parcels as per the priority given in the guidelines.

- (iii) In case no offer is received within 6 months from zero date, the disposal of immovable assets is to be done in a transparent process through the auctioning agency to any entity with the approval of the competent authority. Land would be sold as per the approved land use, FAR and other applicable conditions. However, before the bid is finalised, if any offer is received from agencies mentioned in para 9.2(i), the same will be given overriding priority.
- (iv) In case of non-feasibility of above options, land/ property may be utilised for public purposes including affordable housing, any flagship programme of Government of India as may be permissible in consultation with Niti Aayog and approval of the Cabinet/ CCEA, as required.
- (v) Wherever the Administrative Ministry/ Department faces any difficulty in disposal of land, it shall consult the NITI Aayog and take action as per the advice tendered in this behalf.

9.3 Negotiations with the State Government

The Secretary of the Department/ Ministry concerned shall lead the interactions with the State Government regarding the utilisation/ alternative utilisation of land, return of land to the State Government and conclude these deliberations within a period of two months from Zero Date.

10. Role of Land Management Agency

The administrative Ministry/ Department and

the Board of the CPSE under closure may entrust the immovable assets as per para 3.8 to the nominated Land Management Agency (LMA), which shall:

- (i) Manage, maintain and, if required, engage security agency for the watch and ward of the assets on contract basis for the CPSE against payment. The LMA shall ensure that the land is not encroached, movable assets are not stolen and premises is secured. The LMA may engage a few key employees dealing with assets of the CPSE on contract basis to obtain, manage, maintain and update the records of lands and other immovable assets of the CPSEs on behalf of the CPSE.
- (ii) Collect and validate the information regarding the land, e.g. title deed, lease hold or free hold, conditions of lease, remaining period of lease, whether land compensation was paid by the CPSE/ Central Government at the time of acquisition, status of possession of land, encroachment, if any, and its verification on the ground.
- (iii) Examine the current land use, FAR and the land use as per the local laws applicable in that area to determine the suitability of the land for industrial, manufacturing or some other purposes.
- (iv) Carry out valuation of land on the applicable circle rates, acquisition cost (excluding the R&R expenses) and any other information necessary for use/ valuation of land/ building including limitations arising out of nature of title, master plan and State Government restrictions, if any.
- (v) The Land Management Agency shall compile all such information and publish the same on its website (Land management portal) at the earliest, but not later than three months from preparatory date, in the public domain for the information of all parties that may be interested in taking such land.
- (vi) LMA shall also invite Expressions of Interest

(EoI) from all Central/ State government(s)/ their agencies and others interested in taking the entire or part of the land.

- (vii) If the LMA comes to the conclusion from the EoIs received that disposal of immovable assets as per priorities set out in the Guidelines would require allotment of the asset or a part thereof, it should bring the matter to the notice of the Administrative Ministry/ Department, which shall make the allotment with the approval of the Cabinet/CCEA, as required. The LMA shall suggest the CPSE/ Administrative Ministry/ Department a plan of allotment/ settlement of the whole land or a part thereof.
- (viii) If the LMA comes to a conclusion that disposal of land would require division of land into parcels and development of such land parcels to facilitate their monetisation, the LMA shall prepare and place before the Administrative Ministry/ Department a Land Development Plan along with its scheme of financing for consideration and further approval.
- (ix) The LMA shall submit monthly report updating the status of disposal of immovable property to the administrative Ministry/ Department as per their approvals, with a copy to the NITI Aayog.
- (x) The LMA will be entitled to land management fee which would be 0.5% of the value realized from disposal of land, subject to a maximum of Rupees One crore.
- (xi) In cases where the LMA is required to support watch and ward of the asset under disposal, such expenditure shall be reimbursed by the administrative Ministry/Department on the basis of actuals every month. LMA would obtain prior approval of the administrative Ministry/Department before incurring any expenditure which require reimbursement.

- (xii) LMA may be required to engage the State Government Public Sector Enterprises on appropriate terms and conditions for discharge of some of its responsibilities.

11. Role of Auctioning Agency

The auctioning agency shall dispose the assets of the Company by e-auction through a transparent process. The Auctioning Agency would be paid 1% of amount realized from auction subject to maximum of ₹ 25.00 lakh per auction.

12. Role of Niti Aayog

- (i) For all cases of closure, NITI Aayog shall monitor the implementation of the decision along the prescribed timelines.
- (ii) There shall be an Oversight Committee in place in NITI Aayog. This Committee shall carry out the work of monitoring the implementation of decisions of the Government in this regard.
- (iii) The administrative Ministry/ Department may approach NITI Aayog for resolution of any problem/dispute arising out of sale of immovable assets of CPSE(s) approved for closure. NITI Aayog will develop a framework in place for resolution of such issues.

13. Role of Ministry of Finance

- (i) Ministry of Finance may examine, either through professional help or otherwise, the request for budgetary support at the stage of seeking in-principle or final approval of the competent authority for closure of CPSE.
- (ii) Once closure proposal is approved Ministry

of Finance would release funds as per the prescribed time-lines.

14. Proceeds from sale of assets after making payment for all liabilities would be deposited in Consolidated Fund of India.

15. Application to the RoC for Removal of the name of the Company from the Register of Companies

Immediately upon settlement and discharge of all the liabilities, the Board of Directors of the CPSE shall take necessary steps to apply to the Registrar of Companies (RoC) for removal of the name of the Company from the Register of Companies under Section 560 of the Companies Act, 1956 (the corresponding provision under Section 248 of the Companies Act, 2013 has not yet been notified). The Board of Directors may also pass a resolution at this stage to transfer all the residual assets of the Company to another entity or the Central Government as considered necessary.

16. Time-Lines

For ease of use, a matrix of timelines of various steps for closure of the CPSE as per these Guidelines is annexed.

Further, in respect of CPSEs, where the process of closure has already started with the approval of the competent authority and is underway, a shorter timeline may be re-worked out by the administrative Ministry/ Department in consultation with NITI Aayog as per these guidelines.

Time-lines of activities for closure of CPSEs

Sr. No.	Milestones/ Activities	Time-Lines	Para No. of Guidelines
A. Preparatory date: Date of issue of minutes of in-principle approval for closure of sick/ loss-making CPSE by the Cabinet/ CCEA or date of decision by the administrative Ministry for closure. This is shown as P_o .			
1.	Estimation of Statutory dues	$P_o + 2$ months	3.1
	Estimation of dues of employees		3.2
	Estimation of liabilities towards Secured Creditors etc.		3.3
	Estimation of dues payable to Central Government		3.4
	Estimation of other liabilities		3.5
	Estimation of Movable assets		3.6
	Estimation of receivables		3.7
	Estimation of Budgetary Support Required		3.8
	Consultation with NITI Aayog and decision on taking out of BIFR, if applicable		4
2.	All preparatory actions in respect of immovable assets, e.g. updating of land records with geo-mapping and other formalities, Obtaining State Governments commitments, Valuation etc.	$P_o + 3$ months	3.9
	Detailed Proposal for closure to be placed before the Cabinet/ CCEA		6
	Placing of information relating to immovable assets/ land on the 'Land Management Portal web site'		10 (v)
B. Zero date: Date of issue of minutes of approval for closure of sick/ loss-making CPSE by the Cabinet/ CCEA. In respect of CPSEs where Cabinet/ CCEA had already approved closure of CPSE, zero date would be the date of the guidelines. This is shown as T_o .			
3.	General notice to employees and other stakeholders intimating about intended closure	$T_o + 5$ days	7.2.iii
	Intimate/ apply to the Ministry of Labour and Employment in respect of closure		
4.	Request for budgetary support from Department of Expenditure.	$T_o + 15$ days	7.1
	Action for taking CPSE out of BIFR		7.2.(i)

Sr. No.	Milestones/ Activities	Time-Lines	Para No. of Guidelines
5.	Transfer of assets to Holding company/ administrative Ministry/ Department	T ₀ + 1 months	7.3
6.	Settlement of statutory dues/ liabilities towards revenues, taxes etc.	T ₀ + 2 months	7.2.(ii)
	Payment of secured creditors as one time settlement		7.2.(v)
	Negotiation with State Government		9.3
7.	Settlement of wages/salaries of employees and statutory dues	T ₀ + 3 months	7.2 (iii)
	Disposal of movable assets		8
	Return of leasehold land to State Government with conditions of non-sale		
8.	Retrenchment of employees not opting for VRS	T ₀ + 4 months	7.2.(iv)
9.	Sale of leasehold/ freehold land to Central Government departments, Central Government bodies/ CPSEs, State Government departments, State Government bodies/ PSEs.	T ₀ + 6 months	9.2 (i), (ii),
10.	Auction of land to any entity after exhausting option at sl no. 9	T ₀ + 12 months	9.2 (iii)
11.	Application to Registrar of Companies for removal of name of CPSE	T ₀ + 12 months	15
12.	Utilisation of land for public purposes including affordable housing and other flagship programme of Government of India	T ₀ + 15 months	9.2 (iv)

Note: The above timelines would be suitably modified in individual cases requiring Parliamentary approval.

Details on the CPSEs Registered with BIFR
(As on 31.03.2016)

S. No.	Case No. and year of reference	CPSEs/States	Date of Orders
(1)	(2)	(3)	(4)
I. Declared 'No Longer Sick'			
1.	512/1992	Vignyan Industries Ltd., Tarkere (Karnataka)	27.05.2003
2.	503/1997	North Eastern Regional Agri. Marktg. Corpn., Guwahati (Assam)	20.08.2001
3.	504/1995 / 502/2001	Bharat Coking Coal Ltd., Dhanbad (Jharkhand)	11.02.2004 / 18.05.2009 / 28.10.2009 / 03.01.2013
4.	528/1992	Braithwait & Co. Ltd., Kolkata (West Bengal) @	17.10.1995 / 29.06.2006 / 21.07/2006
5.	531/1992	National Instruments Ltd., Kolkata (West Bengal) \$\$	1.10.2002 / 13.5.2008 / 04.08.2008
II. Dropped (Positive Networth)			
6.	502/1997/ 503/1998	Bharat Immunological & Biologicals Corporation Limited, Buland Sahar (Uttar Pradesh)	01.08.2002
7.	502/2000	Hindustan Salts Limited, Jaipur (Rajasthan)	22.08.2005 / 15.12.2008
8.	521/1992	Projects and Development India Ltd., Dhanbad (Jharkhand)	26.03.2004 / 19.04.2006
9.	501/2004	Hindustan Insecticides Ltd., New Delhi (Delhi)	18.09.2007
10.	515/1992	Fertilizers Corpn. of India Ltd., New Delhi (Delhi)	02.04.2004 / 12.11.2010
III. Dismissed as 'Non-maintainable'			
11.	502/1992 / 601/1998	Nagaland Pulp & Paper Co. Ltd., Mokokchung, (Nagaland)	13.11.1995 / 25.05.2007
12.	504/1997	Manipur State Drugs & Pharmaceuticals Ltd., Imphal (Manipur) \$\$	17.11.1997
13.	502/2002	Central Coalfields Ltd., Ranchi (Jharkhand)	29.11.2002
IV. Revival Scheme sanctioned			
14.	518/1992	The British India Corpn. Ltd., Kanpur, (Uttar Pradesh) @	17.12.2002 / 29.11.2007 / 08.06.2016
15.	506/1993	National Jute Manufactures Corporation Ltd. Kolkata (West Bengal)	08.07.2004 / 24.11.2008 / 05.03.2009 / 31.03.2011
16.	509/1993	Instrumentation Ltd., Kota (Rajasthan)	23.12.1998 / 24.05.2006 / 01.10.2009 / 24.05.2016

17.	507/1994	Hindustan Fluorocarbons Ltd., Hyderabad (Andhra Pradesh)	24.07.2003 / 27.01.2016
18.	501/1996	Cement Corporation of India Ltd., New Delhi (Delhi)	05.12.2005 / 21.03.2006 / 17.06.2008 / 25.11.2014
19.	501/1997	Hindustan Antibiotics Limited, Pune (Maharashtra)	05.06.2007 / 14.10.2008 / 30.09.2015
20.	501/1998 / 501/2000	Eastern Coalfields Limited, Burdwan (West Bengal)	01.06.1998 / 2.11.2004 / 12.06.2007
21.	501/2003	Andrew Yule and Company Ltd., Kolkata (West Bengal) @	20.08.2007/ 30.10.2007
22.	501/2006	HMT Machine Tools Limited, Bangalore (Karnataka)	02.11.2006 / 12.06.2008 / 25.07.2012 / 05.10.2015
23.	501/1999	Birds Jute and Exports Ltd., Kolkata (West Bengal) @	24.6.2004 / 07.08.2008 / 02.08.2012 / 03.07.2014
24.	504/2004	ITI Limited, Bangalore (Karnataka)	03.10.2005 / 27.11.2008 / 23.02.2009 / 30.12.2009 / 26.11.2014 / 27.11.2012
25.	502/1998	NEPA Ltd., Napanagar (Madhya Pradesh)	29.5.2007 / 15.05.2008 / 26.02.2009 / 11.09.2009 / 23.01.2014 / 21.6.2010
26.	533/1992	Bengal Chemicals & Pharmaceuticals Ltd., Kolkata (West Bengal) @	31.3.1995 / 03.02.2009/ 23.06.2014
V.	Winding up Recommended		
27.	511/1992	Heavy Engineering Corpn. Ltd., Ranchi (Jharkhand)	06.07.2004
28.	514/1992	Orissa Drugs & Chemicals Ltd., Bhubaneswar (Orissa)	08.04.2003
29.	503/1995	Hindustan Photo films Mfg. Co. Ltd., Ootacamund (Tamilnadu)	30.1.2003
30.	502/1996	Maharashtra Antibiotics & Pharma. Ltd., Nagpur (Maharashtra) \$\$	04.07.2000 / 16.12.2008 / 17.06.2010
VI.	CPSEs recommended for winding up and have been 'closed' \$\$		
31.	505/1992	Bharat Gold Mines Ltd., Kolar Gold Fields (Karnataka)	12.06.2000
32.	506/1992	Tannery and Footwear Corporation of India Ltd., Kanpur (Uttar Pradesh) @	14.2.1995
33.	508/1992	Cycle Corporation of India Limited, Kolkata (West Bengal) @	10.7.2000
34.	510/1992	Mining and Allied Machinery Corporation Ltd. , Durgapur (West Bengal)	29.06.2001

35.	513/1992	National Bicycle Corporation of India Ltd., Mumbai (Maharashtra) @	20.12.1993
36.	520/1992	Bharat Process and Mechanical Engineers Ltd., Kolkata (West Bengal) @	22.07.1996
37.	524/1992	Weighbird India Limited, Kolkata (West Bengal) @	17.02.1997
38.	526/1992	Bharat Brakes & Valves Ltd., Kolkata (West Bengal) @	27.09.2002
39.	527/1992	Cawnpore Textiles Ltd., Kanpur (Uttar Pradesh) @	19.01.1995
40.	529/1992	Smith Stanistreet & Pharmaceuticals Ltd., Kolkata (West Bengal) @	03.12.2001
41.	532/1992	Bharat Ophthalmic Glass Ltd., Durgapur (West Bengal)	19.6.2003
42.	504/1994	Southern Pesticides Corporation Limited, Hyderabad (Andhra Pradesh)	01.11.2001
43.	506/1994	Rayrolle Burn Ltd., Kolkata (West Bengal) @	13.7.2001
44.	503/1999	Pyrites, Phosphates & Chemicals Ltd., Rohtash (Bihar)	20.11.2002
45.	523/1992	Tyre Corporation of India Ltd., Kolkata (West Bengal) @	20.02.1997 / 10.03.2008 / 19.05.2009 / 21.12.2009 / 03.03.2010 / 21.12.2011
46.	507/1992	Triveni Structural Ltd. (UP)	05.06.2003
47.	502/1999	Hindustan Vegetable Oils Corpn. Ltd.(New Delhi) @	07.12.2001 / 23.07.2008
48.	538/1992	Bengal Immunity Limited, Kolkata (West Bengal) @	25.02.2003 / 31.01.2011
VII.	Others / Abated / Deregistered from BIFR		
49.	501/1992	Bharat Pumps & Compressors Ltd., Allahabad (Uttar Pradesh)	06.02.2007
50.	519/1992	The Elgin Mills Co. Ltd., Kanpur (Uttar Pradesh) @ \$\$	13.03.2007
VIII.	Draft Revival Scheme (DRS) Awaited		
51.	503/1992	Indian Drugs and Pharmaceuticals Limited, Gurgaon (Haryana)	28.03.2006 / 29.09.2008/ 08.07.2016
52.	501/2005	Hindustan Organic Chemicals Limited, Rasayani, Raigad (Maharashtra)	21.11.2005 / 28.05.2008 / 15.11.2016
53.	504/1992	Scooters India Ltd., Lucknow (Uttar Pradesh)	01.07.2000 / 17.06.2010 / 16.01.2013
54.	502/2014	Biecco Lawrie Limited, (West Bengal) @	27.03.2003

55.	516/1992	Hindustan Fertilizer Corpn. Ltd., New Delhi (Delhi)	01.02.2007 / 05.12.2008 / 26.03.2009 / 19.10.2009
56.	588/1994	Burn Standard Co. Ltd., Kolkata (West Bengal) @	16.04.2007 / 30.09.2008 / 12.11.2009 / 27.07.2016
57.	501/2001	Bharat Wagon & Engg. Co. Limited , Patna (Bihar) @	11.02.2004 / 25.11.2008 / 24.06.2009 / 16.11.2009 / 19.03.2014
58.	503/505/2002	Hindustan Cables Ltd., Kolkata (West Bengal)	21.03.2003/ 25.07.2008 / 13.02.2013 / 29.11.2016
59.	505/2004	Tungabhadra Steel Products Limited, Tungabhadra Dam (Karnataka)	04.08.2005 / 11.12.2006 / 09.03.2009 / 24.08.2009 / 14.02.2013
60.	502/2005	HMT Bearings Limited, Hyderabad (Andhra Pradesh)	13.02.2006 / 23.04.2009 / 12.11.2009 / 24.01.2013 / 21.06.2016
61.	501/2007	Madras Fertilizer Ltd., Chennai (Tamilnadu)	02.04.2009 / 15.10.2009 / 26.02.2013 / 14.08.2014
62.	530/1992	UP Drugs & Pharmaceuticals Ltd. (UP)	08.09.2014
IX.	Pending determination of sickness		
63.	503/2014	The Fertilizers and Chemicals Travencore Ltd. (Kerala)	27.07.2016
X.	Stay by AAIFR		
64.	509/1992	Richardson & Cruddas (1972) Ltd., Mumbai (Maharashtra) @	24.9.2007 / 04.09.2008 / 27.05.2009 / 10.09.2009 / 13.06.2016
XI	Remanded by AAIFR		
65	503/2004	Bharat Heavy Plates and Vessels Limited, (Andhra Pradesh)	06.10.2005 / 29.08.2008 / 25.03.2009 / 21.10.2010 / 28.07.2014 / 29.08.2013

@ Taken over PSEs (22) \$\$ since closed (23)

Chapter 13

Disinvestment & Listing on Stock Exchanges

13.1 Introduction

Post-1990s, disinvestment of CPSEs has been construed to be an integral part of the reforms initiatives taken by the Government. While, the policy on disinvestment of CPSEs has evolved considerably through policy statements of the Finance Ministers in their successive Budget Speeches, disinvestment through listing of CPSEs on the Stock Exchanges has consistently been emphasized, ever since the Government embarked upon its disinvestment program for CPSEs.

An important objective of listing of CPSEs has been to promote the development of 'people-ownership' by encouraging public participation in CPSEs. Other important objectives to be achieved through listing of CPSEs, inter-alia, includes promoting healthy corporate governance practices, infusing greater transparency, accountability, public scrutiny in the functioning of CPSEs, unblocking thereby, the true value of the enterprises for its stakeholders. While pursuing these objectives, it is to be ensured that at least 51 per cent shareholding and the management control of CPSEs is retained with the Government.

13.2 Redefining the Role of the Department

The Department of Disinvestment was set up as a separate Department on 10th December, 1999 and was later renamed as Ministry of Disinvestment from 6th September, 2001. From 27th May, 2004, the Department of Disinvestment is one of the Departments under the Ministry of Finance.

In line with the announcement of the Hon'ble Finance Minister in his Budget Speech of 2016-17, the Department has been re-named as Department of Investment and Public Asset Management (DIPAM) from 14th April, 2016, with focus of the Government on management of its investment in Central Public Sector Enterprises (CPSEs) for accelerating economic development as well as augmenting Government resources for higher expenditure.

13.3 Mandate

As per the present Allocation of Business rules, the mandate of the Department is as follows:

1. a. All matters relating to management of Central Government investments in equity including disinvestment of equity in Central Public Sector Undertakings.
b. All matters relating to sale of Central Government equity through offer sale or private placement or any other mode in the erstwhile Central Public Sector Undertakings.*

**Note: All other post disinvestment matters, including those relating to and arising out of exercise of Call option by the Strategic Partner in the erstwhile Central Public Sector Undertakings, shall continue to be handled by the administrative Ministry or Department concerned, where necessary, in consultation with the Department of Investment and Public Asset Management (DIPAM).*

2. Decisions on the recommendations of Administrative Ministries, NITI Aayog, etc. for disinvestment, including strategic disinvestment.
3. All matters related to Independence External Monitor (s) for disinvestment and public asset management.
- 4 (a) Decisions related to relating to Central Public Sector undertaking for purposes of Government investment in equity like capital restructuring, bonus, dividends, disinvestment of government equity and other related issues.
(b) Advise the Government in the matters of financial restricting of Central Public Sector Enterprises and for attracting investment through capital markets.
5. Financial Policy in regard to the utilization of the proceeds of disinvestment channelized into the National Investment Fund.

6. The Unit Trust of India Act, 1963 (52 of 1963) along with relating to Specified Undertaking of the Unit Trust of India (SUUTI).

13.4 Disinvestment Policy

1. Salient features of the Disinvestment Policy:

- (i) Public Sector Undertakings are the wealth of the nation and to ensure this wealth rests in the hands of the people, promote public ownership of CPSEs;
- (ii) While pursuing disinvestment through minority stake sale in listed CPSEs, the Government will retain majority shareholding, i.e. at least 51 per cent of the shareholding and management control of the Public Sector Undertakings;
- (iii) Strategic disinvestment by way of sale of substantial portion of Government shareholding in identified CPSEs upto 50 per cent or more, alongwith transfer of management control.

2. Objectives of Disinvestment Policy:

- (i) Promote people's ownership of Central Public Sector Enterprises (CPSEs) to share in their prosperity through disinvestment.
- (ii) Enables efficient management of public investment in CPSEs for accelerating economic development and augmenting Government's resources for higher expenditure.
- (iii) Listing of CPSEs on stock exchanges to facilitate development and deepening of capital market and spread of equity culture.
- (iv) Raising budgetary resources for the Government.

3. Approach for Disinvestment

(a) Disinvestment through minority stake sale

The approved action plan for disinvestment in profit making government companies is as follows:

- (i) Already listed profitable CPSEs (not meeting mandatory shareholding of 10 per cent which stands revised to 25 per cent) are to be made compliant through 'Offer for Sale' (OFS) by the Government or by the CPSEs through issue of fresh shares or a combination of both;

- (ii) Unlisted CPSEs with no accumulated losses and having earned net profit in three preceding consecutive years to be listed;
- (iii) Follow-on public offers would be considered, taking into consideration the needs for capital investment of CPSEs on a case by case basis, and the Government could simultaneously or independently offer a portion of its equity shareholding;
- (iv) All cases of disinvestment are to be decided on a case by case basis;
- (v) The Department of Investment and Public Asset Management (DIPAM) is to identify CPSEs in consultation with respective administrative ministries and submit proposal to Government in cases requiring Offer for Sale of Government equity.

(b) Strategic Disinvestment

To be undertaken through a consultation process among different Ministries/Departments, including NITI Aayog.

- (i) NITI Aayog to identify CPSEs for strategic disinvestment and advice on the mode of sale, per centage of shares to be sold of the CPSE and method for valuation of the CPSE.
- (ii) The Core Group of Secretaries on Disinvestment (CGD) to consider the recommendations of NITI Aayog to facilitate a decision by the Cabinet Committee on Economic Affairs (CCEA) on strategic disinvestment and to supervise/monitor the process of implementation.

(c) Comprehensive management of GoI's investment in CPSEs

- (i) The Government recognises its investment in CPSEs as an important asset for accelerating economic growth and is committed to the efficient use of these resources to achieve optimum return.
- (ii) The Government will achieve these objectives by adopting a comprehensive approach for addressing critical inter-linked issues, such as, leveraging of assets to attract fresh investment, capital restructuring, financial restructuring, etc.

- (iii) Different options for optimal utilization of Government's investment in CPSEs will be assessed to adopt suitable investment management strategies to improve investors' confidence in the CPSEs and support their market capitalization which is essential for raising fresh investment from the capital market for their expansion and growth.
- (iv) Efficient management of investment in CPSEs are to be ensured through rationalization of decision making process for all related issues and seamless inter-departmental coordination in the matter.

13.5 New Mandate - Investment Management in Central Public Sector Enterprises (CPSEs)

As highlighted in the Budget Speech 2016-17 of the Hon'ble Finance Minister, comprehensive guidelines on "Capital Restructuring of CPSEs" have been issued on 27th May, 2016 by the Department of Investment and Public Asset Management (DIPAM). These guidelines supersede all previously issued guidelines on payment of dividend, buy back of shares, issue of bonus shares and splitting of shares. Some of the salient features of the Guidelines are as below:

- (i) These guidelines shall apply to all 'corporate bodies' where GoI and/or Government controlled one or more body corporates have controlling interest. It will not apply to body corporate which is prohibited from distribution of profits to its members, e.g. companies set up under section 8 of companies Act, 2013 or under extant provision of any other Act or which has accumulated losses.
- (ii) The focus of these guidelines is on optimum utilization of funds by CPSEs/Government to spur economic growth. The CPSEs will have a professional look at the surplus funds available with them and if they do not have plans to deploy them optimally for business purposes, they should explore other options of capital restructuring.
- (iii) There is emphasis on direct expenditure/ Capex by CPSEs for business activities and leveraging their net-worth & assets for higher investment in economic activities. The Guidelines also

disincentivise parking and sub-optimal investment of funds.

- (iv) In case any CPSE is not able to comply with any of the above guidelines due to some unforeseen exceptional situation, provisions have been made to ensure that such issues are duly considered upto certain level by the Administrative Ministry in consultation with the Financial Adviser for providing exemptions to CPSEs through a well defined procedure, on a case to case basis.
- (v) The Guidelines stipulate that:
 - (a) Every CPSE would pay a minimum annual dividend of 30% of PAT or 5 % of the net-worth, whichever is higher subject to the maximum dividend permitted under the extant legal provisions.
 - (b) Every CPSE having net-worth of atleast ₹2000 crore and cash and bank balance of over ₹1000 crore shall exercise the option to buy-back their shares.
 - (c) Every CPSE should look into and analyze/ deliberate in their Board meeting/ Finance Committee, the issue of bonus shares when their defined reserves and surplus are equal to or more than 5 times of its paid up equity share capital. However, every CPSE shall issue bonus shares if their defined reserves and surplus is equal to or more than 10 times of its paid up equity share capital.
 - (d) A CPSE where market price or book value of its share exceeds 50 times of its face value will split-off its shares appropriately provided its existing face value of the share is equal to or more than ₹ 1.

13.6 Central Public Sector Enterprises (CPSE) Exchange Traded Fund (ETF)

- (i) An Exchange Traded Fund (ETF) is a security that tracks an index like an index fund, but trades like a stock on an exchange. Constituent stocks are listed and actively traded, and may have representation from various sectors to provide ETF unit holders adequate diversification.
- (ii) Disinvestment through the ETF route

allows simultaneous sale of GoI stake in various CPSEs across diverse sectors through a single offering and avoids the necessity to go to the market repeatedly for divesting different stocks. The CPSE-ETF provides a mechanism for the GoI to monetize its shareholding in those CPSEs that eventually form part of the CPSE ETF basket, in a stock-neutral, time-efficient and non-disruptive manner.

- (iii) The CPSE-ETF approved in May, 2013 comprises stocks of listed CPSEs with disinvestment upto 3% of GoI shareholding from an individual CPSE constituent of ETF. The CPSE-ETF approved basket comprises 10 scrips, namely, BEL, CIL, EIL, CONCOR, GAIL, IOL, OIL, ONGC, PFC & REC. The Government realized an amount of ₹3000 crore as disinvestment proceeds through New Fund Offer (NFO) of CPSE-ETF scheme launched in March, 2014.
- (iv) The Government proposes to create and launch a New ETF, in addition to the existing CPSE-ETF, comprising stocks of listed CPSEs and GoI's stake in other corporate entities. It will serve as an additional mechanism for the Government to monetize its shareholdings in those CPSEs that eventually form part of the ETF basket.

13.7 Steps taken to accelerate the disinvestment process and new policy initiatives:

The Department has taken following measures to accelerate the disinvestment process:

- (i) Replacing annual plan with rolling plans.
- (ii) Creating a pipeline of proposals for CPSEs to take advantage of better market condition without any loss of time.
- (iii) Fast tracking of approval process.
- (iv) Disinvestment programme made more inclusive by following an approach to reserve 20 per cent of shares on PSUs-OFS transactions for retail

investors on a case to case basis.

- (v) Based on the suggestion made by the Department, SEBI has reduced the notice period for an OFS transaction from T-2 to T-1 (T being the transaction day). This will help in minimising the possibility of price hammering between the notice day and the transaction day and suitably protecting the interest of retail investors by providing them sufficient time to participate in the OFS transaction.

13.8 Disinvestment from 1991-92 till March 2016:

The summary of disinvestment receipts since 1991-92 till 2015-16 is at Annexure -13.1

During the financial year 2015-16, against the target of ₹41,000 crore for disinvestment of CPSEs, Government realized an amount of ₹23,997 crore through minority stake sale. An additional amount of approx. ₹8,152 crore has also been realized through sale of bonus debentures of NTPC to EPFO. The details of the transaction in 2015-16 are stated below:

- (i) **Rural Electrification Corporation Ltd. (REC):** Government divested 5% paid-up equity capital of the company by way of Offer for Sale of Shares by Promoters through Stock Exchange Mechanism (OFS) and realized an amount of ₹1,608 crore.
- (ii) **Power Finance Corporation Ltd.(PFC):** Government divested 5% paid-up equity capital of the company by way of Offer for Sale of Shares by Promoters through Stock Exchange Mechanism (OFS) and realized an amount of ₹1671.76 crore.
- (iii) **Dredging Corporation of India Ltd.(DCIL):** Government divested 5% paid-up equity capital of the company by way of Offer for Sale of Shares by Promoters through Stock Exchange Mechanism (OFS) and realized an amount of ₹53.33 crore.
- (iv) **Indian Oil Corporation Ltd. (IOC):** Government divested 10% paid-up equity capital of the company by way of Offer for Sale

of Shares by Promoters through Stock Exchange Mechanism (OFS) and realized an amount of ₹ 9369 crore.

- (v) **Engineers India Ltd.(EIL):** Government divested 10% paid-up equity capital of the company by way of Offer for Sale of Shares by Promoters through Stock Exchange Mechanism (OFS) and realized an amount of ₹ 642.47 crore.
- (vi) **National thermal Power Corporation Ltd. (NTPC):** Government divested 5% paid-up equity capital of the company by way of Offer for Sale of Shares by Promoters through Stock Exchange Mechanism (OFS) and realized an amount of ₹ 5,014.55 crore.
- (vii) **Container Corporation of India Ltd. (CONCOR):** Government divested 5% paid-up equity capital of the company by way of Offer for Sale of Shares by Promoters through Stock Exchange Mechanism (OFS) and realized an amount of ₹ 1155 crore.
- (viii) **Bharat Dynamics Ltd. (BDL) & Hindustan Aeronautics Ltd.(HAL) :** Government realized an amount of ₹4483 crore through buyback of shares by BDL and HAL.
- (ix) **National thermal Power Corporation Ltd. (NTPC):** Through indirect disinvestment route, ₹8152 crore was realized by divestment of bonus debenture of NTPC held with Government to EPFO.

13.9 Use of disinvestment proceeds- National Investment Fund (NIF)

- (i) The proceeds of disinvestment are credited into National Investment Fund (NIF) constituted in November, 2005 and are used for the approved purpose, as decided from time to time.

- (ii) Presently, the disinvestment proceeds are credited to the existing NIF which is a 'Public Account' under the Government Accounts and the funds would remain there until withdrawn / invested for the approved purposes.
- (iii) The NIF is utilized for the following purposes:
 - (a) Subscribing to the shares being issued by the CPSEs on rights basis, so as to ensure that 51% ownership of the Government in CPSEs is not diluted.
 - (b) Preferential allotment of shares of the CPSE to promoters as per SEBI (Issue of Capital and Disclosure Requirements) Regulations, 2009 so that Government shareholding does not go down below 51% in all cases where the CPSE is going to raise fresh equity to meet their Capex program.
 - (c) Recapitalization of public sector banks and public sector insurance companies so as to strengthen them through further capital infusion towards achieving the Basel III norms.
 - (d) Investment by Government in RRBs/IIFCL/ NABARD/Exim Bank;
 - (e) Equity infusion in various Metro projects;
 - (f) Investment in Bhartiya Nabhikiya Vidyut Nigam Limited and Uranium Corporation of India Ltd.
 - (g) Investment in Indian Railways towards capital expenditure.

**Summary of Receipts From Disinvestment : 1991-92 TO 2015-16
(As on 30.09.2016)**

Year	Budgeted receipt	Receipts through sale of minority shareholding in CPSEs	Receipts through sale of majority shareholding of one CPSE to another CPSE	Receipts through Strategic sale	Receipts from other related transactions	Receipts from sale of residual shareholding in disinvested CPSEs / companies	Total receipts	Transactions(₹crore)
	(₹crore)	(₹crore)	(₹crore)	(₹crore)	(₹crore)	(₹crore)	(₹crore)	
1991-92	2,500.00	3,037.74	-	-	-	-	3,037.74	Minority shares sold in Dec, 1991 and Feb, 1992 by auction method in bundles of "very good", "good" and "average" companies
1992-93	2,500.00	1,912.51	-	-	-	-	1,912.51	Shares sold separately for each company by auction method.
1993-94	3,500.00	-	-	-	-	-	-	Equity of 6 companies sold by auction method but proceeds received in 94-95.
1994-95	4,000.00	4,843.10	-	-	-	-	4,843.10	Shares sold by auction method.
1995-96	7,000.00	168.48	-	-	-	-	168.48	Shares sold by auction method.
1996-97	5,000.00	379.67	-	-	-	-	379.67	GDR -VSNL
1997-98	4,800.00	910	-	-	-	-	910	GDR -MTNL
1998-99	5,000.00	* 5,371.11	-	-	-	-	5,371.11	GDR-VSNL; Domestic offerings of CONCOR and GAIL; Cross purchase by 3 Oil sector companies i.e. GAIL, ONGC and IOC.
1999-00	10,000.00	** 1,479.27	-	105.45	275.42	-	1,860.14	GDR-GAIL; Domestic offering of VSNL; capital reduction and dividend from BALCO; Strategic sale of MFIL.
2000-01	10,000.00	-	1,317.23	554.03	-	-	1,871.26	Sale of KRL, CPCL and BRPL to CPSEs; Strategic sale of BALCO and LJMC.
2001-02	12,000.00	-	-	3,090.09	2,567.60	-	5,657.69	Strategic sale of CMC, HTL, VSNL, IBP, PPL, hotel properties of ITDC and HCI, slump sale of Hotel Centaur Juhu Beach, Mumbai and leasing of Ashok Bangalore; Special dividend from VSNL, STC and MMTC; sale of shares to VSNL employees.

2002-03	12,000.00	-	-	2,252.72	1,095.26	-	3,347.98	Strategic sale of HZL, IPCL, hotel properties of ITDC, slump sale of Centaur Hotel Mumbai Airport, Mumbai; Premium for renunciation of rights issue in favour of SMC ; Put Option of MFIL; Sale of shares to employees of HZL and CMC.
2003-04	14,500.00	12,741.62	-	342.06	-	2,463.73	15,547.41	Strategic sale of JCL; Call Option of HZL; Offer for Sale of MUL, IBP, IPCL, CMC, DCI, GAIL and ONGC; Sale of shares of ICI Ltd.
2004-05	4,000.00	2,700.06	-	-	64.81	-	2,764.87	Offer for Sale of NTPC and spill over of ONGC; sale of shares to IPCL employees.
2005-06	No target fixed	-	-	-	2.08	1,567.60	1,569.68	Sale of MUL shares to Indian public sector financial institutions & banks and employees
2006-07	No target fixed	-	-	-	-	-	-	
2007-08	No target fixed	1,814.45	-	-	-	2,366.94	4,181.39	Sale of MUL (₹2366.94 cr) shares to public sector financial institutions, public sector banks and Indian mutual funds and sale of PGCIL (₹994.82 cr) and REC (₹819.63 cr) shares through Offer for Sale.
2008-09	No target fixed	-	-	-	-	-	-	
2009-10	No target fixed	23,552.93	-	-	-	-	23,552.93	₹2012.85 - NHPC, ₹2247.05 OIL , ₹8480.098 NTPC , ₹882.52 REC, ₹9930.42 NMDC
2010-11	40,000.00	22,144.21	-	-	-	-	22,144.21	₹1062.74 SJVN , ₹959.65 EIL, ₹15199.44 COAL INDIA , ₹3721.17 PGCIL, ₹618.75 MOIL , ₹582.45 SCI
2011-12	40,000.00	13,894.05	-	-	-	-	13,894.05	₹1144.55 PFC, ₹12749.5 ONGC
2012-13	30,000.00	23,956.81	-	-	-	-	23,956.81	₹124.97 NBCC, ₹807.03 HCL, ₹5973.27 NMDC, ₹3141.51 OIL, ₹11457.54 NTPC, ₹310.15 RCF, ₹627.84 NALCO, ₹1514.50 SAIL

2013-14	40,000.00	15,819.46	-	-	-	-	15,819.46	₹571.71 MMTC, ₹259.56 HCL, ₹101.08 NFL, ₹30.17 ITDC, ₹4.54 STC, ₹358.21 NLC, ₹2131.28 NHPC, ₹1637.32 PGCIL, ₹497.32 EIL, ₹1886.78 BHEL, ₹5341.49 IOCL, ₹3000 CPSE-ETF
2014-15	43,425.00	24,277.17	-	-	71.54	-	24,348.71	₹3.60 Employee OFS of NFL, ₹48.16 Employee OFS of NTPC, ₹1719.54 SAIL, ₹22557.63 COAL INDIA, ₹4.16 Employee OFS of MMTC, ₹3.17 Employee OFS of HCL, ₹12.45 Employee OFS of NALCO, ₹0.0040 Employee OFS of NMDC
2015-16	41,000.00	23,996.80	-	-	8,152.00	-	32,148.80	₹1608.00 REC, ₹1671.00 PFC, ₹53.33 DCIL, ₹9369 IOC, ₹642.5 EIL, ₹5,014.55 NTPC, ₹1,155.20 CONCOR, ₹198.85 BDL buyback, ₹4284.37 HAL buyback, ₹8152 NTPC Sale of bonus debentures held with the Government to EPFO
Grand Total		1,82,999.44	1,317.23	6,344.35	12,228.71	6,398.27	2,09,228	

* Out of ₹5371.11, ₹ 4184 crore constitute receipts from cross purchase of shares of ONGC, GAIL and IOC.

** Out of ₹1479.27, ₹459.27 crore constitute receipts from cross purchase of shares of ONGC, GAIL and IOC.

Chapter 14

Performance of Public Sector Insurance Companies

Overview of the Insurance Sector

The insurance sector was opened for private participation with the enactment of the Insurance Regulatory and Development Authority Act, 1999. Since opening up of the sector, the number of participants in the industry has gone up from seven insurers (including Life Insurance Corporation of India, four public sector general insurers, one specialized insurer viz. Export Credit Guarantee Corporation and General Insurance Corporation as the National Re-insurer) in the year 2000 to 55 insurers as on 31st March, 2016 operating in the life, non-life and re-insurance segments (including specialized insurers, viz. Export Credit Guarantee Corporation and Agriculture Insurance Company of India Limited (AICIL).

Thus currently as many as eight (8) insurance companies (life and non-life insurance) are functioning in the public sector. These enterprises are Life Insurance Corporation of India, National Insurance Company Limited, New India Assurance Company Limited, Oriental Insurance Company Limited, United India Insurance Company Limited, General Insurance Corporation of India, Agriculture Insurance Company of India Limited and Export Credit Guarantee Corporation of India. These public sector insurers are offering a variety of insurance policies ranging from Life Insurance to Crop Insurance. Six of the general insurance companies' viz. Star Health and Allied Insurance Company, Apollo Munich Health Insurance Company, Max BUPA Health Insurance Company, Religare Health Insurance Company, Cigna TTK Health Insurance Company and Aditya Birla Health Insurance Co. Ltd function as standalone health insurance companies. Of the twenty three life insurance companies which have set up operations in the life segment post opening up of the sector, twenty one are in joint venture with foreign partners. Of the twenty four companies which have commenced

operations in the non-life segment, nineteen have been set up in collaboration with foreign partners. Thus, forty insurance companies in the private sector are operating in the country in collaboration with established foreign insurance companies from across the globe as on 31st March, 2016

14.1 Life Insurance Corporation of India (LIC)

Life Insurance Corporation of India (LIC) was established in the year 1956 as a Statutory Corporation under Section 3 of the Life Insurance Corporation Act, 1956 to carry out life insurance business in India. The objective of establishing the Corporation was spreading life insurance much more widely and in particular to the rural areas, with a view to reach all insurable persons in the country and providing them with adequate financial cover at a reasonable cost.

LIC has 8 Zonal Offices, 113 Divisional Offices, 2048 Branch Offices and 1401 Satellite offices and 1240 Mini Offices throughout the length and breadth of the country as on 31.03.2016. The staff strength of LIC is 1.15 lakh and it has an agency force of 10.62 lakh. LIC offers a wide range of products to fulfill the needs of different segments of the society. As at the end of the year 2015-16, LIC had 23 Individual Products and 9 Group Products for sale.

One of the main objectives of LIC is to reach all insurable persons in the country and to provide them with adequate financial cover. During the year 2015-16, LIC completed 205.17 lakh policies out of which 181.91 lakh policies for Sum Assured of ₹3,82,632.03 crore were under First Insurance category. The ratio of First Insurance to the Total Business completed for the year comes to 88.66% and 83.44% in respect of number of policies and Sum Assured respectively.

Life Insurance Corporation of India is present in 14 countries through its Branch Offices, Joint

Venture Companies and Wholly Owned Subsidiary. LIC has Branch Offices in U.K., Mauritius and Fiji. It has Joint Venture Companies in Bahrain (operating in Bahrain, Qatar, Kuwait, Oman & U.A.E. (Dubai and Abu Dhabi)), Kenya, Saudi Arabia, Nepal, Sri Lanka and Bangladesh and a Wholly Owned Subsidiary in Singapore. The Total New Business First Premium Income of LIC's foreign units during the period from 01.04.2015 to 31.03.2016 was

INR.2048.86 crore under 1,88,827 policies. The Life Fund as at 31.03.2016 stood at ₹20,57,625.38 crore. The Corporation made payments of ₹12,159.28 crore under Death Claim cases, ₹88,389.61 crore under Maturity Claims and ₹5569.87 crore under annuities. In addition to above, performance in other significant parameters in the Financial Year 2015-16 is given below:-

Table 14.1

Performance of LIC during the year 2014-15 and 2015-16

Sl. No.	Parameters	Performance	
		2014-15	2015-16
1	Individual Policies Sold (Nos. in crore)	2.01	2.05
2	Market Share in terms of number of Policies	77.85%	76.84%
3	Total Premium Income(₹ in crore)	239482.77	266225.38
4	Total Income(₹ in crore)	407546.36	424186.68
5	Total No. of Death Claims settled(in Lacs)	10.15	9.96
6	Total No. of Maturity Claims settled(in Lacs)	222.87	205.75

14.1.1 Aam Admi Bima Yojana

The Aam Admi Bima Yojana (AABY) has come into effect from 01.01.2013, as per Ministry of Finance letter F.No.I-3011/6/2009 by merger of erstwhile Janashree Bima Yojana (JBY) and Aam Admi Bima Yojana (AABY). Persons between age 18 years and 59 years and those who are members of the identified 48 occupational groups are eligible to be covered under this scheme. The premium for the scheme is ₹ 200/- per member per annum, 50% of which is contributed by the member and/

or State Government and /or Nodal Agency and remaining 50% is drawn as subsidy from the Social Security Fund constituted by Government of India and maintained by LIC of India. In case of Rural Landless House holders (RLH) the entire premium is borne in the ratio of 50:50 by State Government and LIC maintained Social Security Fund. This kind of 100% financing is also there in Rajasthan's Panna Dhay scheme (AABY for BPL people of Rajasthan), in Uttarakhand's and Madhya Pradesh's AABY scheme.

Table 14.2

Benefits under Aam Admi Bima Yojana:

Sl No.	Particulars	Amount
1.	Natural death	₹30,000/-
2.	On death or total permanent disability due to accident	₹75,000/-
3.	On partial permanent disability due to accident	₹37,500/-

Scholarship as a free add-on benefit is also provided to a maximum of two children of the beneficiary studying between 9th to 12th standards (including ITI courses) at the rate of ₹100/- per month for each

child payable half yearly on 1st July and 1st January each year. During the financial year 2015-2016 total number of scholarships disbursed were 25,03,662 amounting to ₹205.31 crore.

Table 14.3**Lives Covered & Claims Settled In AABY**

Year	Lives Covered	No. of Claims settled	Amount of Claims settled (₹ in crore)
2007-2008	42,61,156	-	-
2008-2009	71,71,556	20,680	64.79
2009-2010	1,30,45,666	38,493	125.52
2010-2011	1,77,47,480	40,780	131.53
2011-2012	2,02,58,390	61,056	197.85
2012-2013	4,29,00,000	1,39,776	430.84
2013-2014	4,54,15,082	1,31,863	435.61
2014-2015	4,32,08,152	1,23,000	410.27
2015-2016	4,51,07,984	1,15,745	374.86

14.1.2 Pradhan Mantri Jan Dhan Yojana (PMJDY) Scheme:

Pradhan Mantri Jan Dhan Yojana was launched on 28.08.2014 as a tool for financial inclusion of the deprived sections of the society. Under this scheme, Basic Savings Bank accounts (BSBDA) were opened on a mass scale with certain add-on benefits and benefits were given to the account holders. One of the benefits is providing Life Insurance cover of ₹30,000/- on Death (due to any reason) through Life Insurance Corporation of India. There is also a benefit of Accident Insurance Cover of ₹1 lac, provided by Government through the designated General Insurance Company.

For availing the Life insurance coverage of ₹30000/- * on death arising out of any cause under this scheme, a Person should be between 18 to 59 years of age and he/ she should have been enrolled under PMJDY between 15.08.2014 to 31.01.2015 & should be holder of RuPay Card.

As on 31st March, 2016, 80 lakh members were covered under PMJDY and during the Financial Year (2015-16), an amount of ₹624.60 lakhs was paid towards total number of 2082 claims.

(* Subject to Govt guidelines and eligibility criteria provided by Ministry)

14.2 Non-Life Insurance Companies

The General insurance industry was nationalized in 1972 and 107 insurers were amalgamated and grouped into four Companies – National Insurance Co. Ltd., The New India Assurance Co. Ltd., The Oriental Insurance Co. Ltd. and United India Insurance Co. Ltd. The four entities were set up as subsidiaries of General Insurance Corporation of India (GIC) which also played the role of Re-insurer. As a part of liberalization process, with the enactment of IRDA Act, 1999, it became necessary to nominate Indian Re-Insurer under Insurance Act, 1938. GIC was, therefore, notified as Indian Re-Insurer on 3rd November, 2000 under Section 35 of GIBNA Act, 1972. Through enactment of the General Insurance Business (Nationalization) Amendment Act, 2002, the four PSGICs were delinked from GIC and the holdings of GIC in the four Public Sector General Insurance Companies (PSGICs) were transferred to the Government. Presently, all the four Public Sector General Insurance Companies are Board run Companies. The detailed particulars of the four Public Sector General Insurance Companies are as follows:-

14.2.1 National Insurance Company Limited:

- Incorporated in 1906
- Headquarters in Kolkata
- 21 Foreign and 11 Indian Companies amalgamated at the time of nationalization in 1972
- Paid-up share capital is ₹100 Crores
- Gross Direct Premium Income (GDPI) in 2015-16 was ₹12018.98 Crores against ₹11282.64 Crores in 2014-15 showing a growth of 6.53% against a growth of 9.96% in the previous year
- Incurred claims Ratio is 95.28% for the year 2015-16 against 77.54 % for the year 2014-15
- Profit After Tax was ₹151 Crores in 2015-16 against ₹ 967.64 Crores in 2014-15
- 1992 offices, including Micro offices
- 15096 employees
- Foreign operations in Nepal
- “AAA/STABLE” rating by CRISIL and “B++ (Good)” rating by A.M.Best Company.

14.2.2 The New India Assurance Company Limited:

- Incorporated in 1919
- Headquarters in Mumbai
- 21 Indian companies amalgamated at the time of nationalization in 1972
- Paid-up share capital is ₹200 Crores
- Gross Direct Premium Income (GDPI) in 2015-16 is ₹18371 Crores globally against GDPI of ₹16050 Crores in 2014-15 showing a growth of 14.46% against a growth of 12.20% in the previous year.
- Incurred claims Ratio is 88 % for the year 2015-16 against 84 % in 2014-15

- Profit After Tax is ₹ 829Crores in 2015-16 against ₹1431 Crores in 2014-15.
- 2329 offices.
- 18,783 employees.
- The Company operates through a network of 18 Branches, 7 Agencies, 3 Subsidiary Companies in 28 countries
- “A-”(excellent) rating from AM Best & Co.(Europe)

14.2.3 The Oriental Insurance Company Limited:

- Incorporated in 1947
- Headquarters at New Delhi
- 10 Indian & 12 Foreign companies merged at the time of nationalization in 1972
- Paid-up share capital is ₹200 Crores
- Gross Direct Premium Income (GDPI) in 2015-16 was ₹8612 Crores against GDPI of ₹ 7562 Crores in 2014-15 showing a growth of 13.88% against a growth of 3.83% in the previous year
- Incurred claim Ratio is 84% for the year 2015-16 against 82% in 2014-15
- Profit After Tax was ₹300 Crores in 2015-16 against ₹392 Crores in 2014-15
- 1857 offices
- 13956 employees
- Foreign operations in Nepal, Dubai & Kuwait
- ‘B++’(very good) rating from AM Best & Co.(Europe)

14.2.4 United India Insurance Company Limited:

- Incorporated in 1938
- Headquarters at Chennai
- 12 Indian companies, 4 cooperative societies & Indian operations of 5 foreign companies merged at the time of nationalization in 1972

- Paid-up share capital is ₹150 Crores
- Gross Direct Premium Income (GDPI) in 2015-16 is ₹12250 Crores against GDPI of ₹10692 Crores in 2014-15 showing a growth of 14.58 % against a growth of 10.12 % in the previous year
- Incurred claims Ratio for the year 2015-16 is 88% against 84 % in 2014-15.
- Profit After Tax was ₹ 221 Crores in 2015-16 against ₹301 Crores in 2014-15
- 2082 offices
- 16345 employees
- Rated AAA by ICRA

The above Public Sector General Insurance Companies provide coverage for insurance other than Life such as, Fire, Marine (Cargo & Hull), Motor, Workmen's Compensation, Personal Accident, Aviation, Engineering, Liability, Health, etc.

As per the provisional premium figures furnished by IRDAI for the financial year 2015-16, the non life insurance industry in India underwrote a total premium of ₹96,399.28 crore for the year 2015-16 thereby registering a growth rate of around 13.82%. Thus even in a challenging economic environment, the Indian General Insurance Sector has displayed tremendous resilience. The market share of the Public Sector General Insurance Companies stood approximately at 52.49% in 2015-16 as against 52.74% in 2014-15.

Motor and Health Insurance have been the major drivers of growth in General Insurance Industry. Strategic Alliances spearhead the retail focus of the companies through tie-up arrangements with automobile manufacturers, banks and other entities with large distribution network. Besides providing cover through traditional policies, the PSGICs are continually evolving themselves to provide tailor made policies to suit the changing / emerging needs of the customers.

Under Financial Inclusion initiative the Public Sector

General Insurance Companies (PSGIC), with a view to increase growth and spread, have started expansion of their network of offices in unrepresented areas of the country and targeted engagement of Banking Correspondents (BC) and Banking Correspondent Associates (BCA) as their agents in this endeavor. The Public Sector General Insurance Companies (PSGICs) have various policies to provide insurance cover to the poor for reconstruction of their houses in case of natural calamities like fire, flood, cyclone, earthquake etc. Policies like Gramin Suraksha Micro Policy, Farmers Package Policy, Hut Insurance Policy, Tribal Package Policy, Uni-Micro Policy. Long Term House Policy to cover houses constructed under Weaker Section Housing Scheme for a period of 10 years is also available.

The Prime Minister of India launched a social welfare accident cover named "Pradhan Mantri Suraksha Bima Yojana" on 09.05.2015. The scheme is a one year Accident Insurance cover, renewable from year to year, offering accidental death and disability cover of ₹2,00,000/- for death or disability on account of an accident for a premium of ₹ 12/- per annum per member for every Bank Account holder in the country. The premium will be deducted from the account holder's savings bank account through 'auto debit' facility. The Scheme has been a big success and the PSGICs have enrolled 7.61 crores persons as on 31st March, 2016 with a premium income of ₹92 crores.

14.3 General Insurance Corporation of India (GIC)

The General Insurance Corporation of India (GIC) was set up as a Government company under the General Insurance Business (Nationalisation) Act, 1972 for the purpose of superintending, controlling and carrying on the business of 'General Insurance'. The GIC was authorized to carry out the general insurance business through its four subsidiaries viz. National Insurance Company Ltd., New India Assurance Company Ltd., Oriental Insurance Company Ltd. and United India Insurance Company Ltd. With the notification of the General Insurance Business (Nationalisation) Amendment Act, 2002,

the GIC was designated as the ‘Indian Reinsurer’ on 3rd November, 2000 and its supervisory role over its subsidiaries ended. The ownership of these subsidiaries companies now rests with the Government of India.

General Insurance Corporation of India (GIC Re) is a leading global reinsurance and risk solution provider with its Registered Office of the Corporation in Mumbai and liaison offices in New Delhi, Kolkata and Chennai to cater to the needs of clients in these metro cities. As the ‘Indian Reinsurer with a global footprint’, GIC Re provides reinsurance support for all the general(non-life) insurance companies in India. Internationally, GIC Re leads the reinsurance programmers of insurance companies in SAARC region, African countries and in the Middle East. Apart from reinsurance business, GIC Re continues to participate in the share capital of Kenindia Assurance Company Ltd. (Kenya), India International Insurance Pte Ltd., Singapore, East Africa Re and Asian Reinsurance Corporation, Bangkok. It also holds 35% share in Agriculture Insurance Company of India Ltd.

GIC Re is expanding its global presence. During 2015-16, international business contributed 45% to its revenue. GIC Re has 4 overseas offices with branch Offices in London, Dubai and Malaysia and a Representative Office in Moscow. GIC Re has an ‘Eventual Reinsurer’ status in Brazil. It is also reinsuring life insurance risks in India and Takaful (Shariah-compliant insurance). GIC Re has two wholly owned foreign subsidiaries, which names GIC Re South Africa Ltd. situated at Johannesburg South Africa and GIC Re, India, Corporate Member Limited at London. GIC Re also manages Marine Hull Pool, Indian Terrorism Insurance Pool and the Indian Motor Third Party Declined Risk Insurance Pool. GIC Re has been selected as the Manager for Nat Cat Pool promoted by the Federation of Afro-Asian Insurers & Reinsurers (FAIR).

GIC Re is financially strong as reflected by its high grade ratings from credit rating agencies. It is rated A- (Excellent) by A M Best & AAA (In) by CARE. GIC Re is also the 4th largest aviation

reinsurer globally. During the year 2015-16, the net premium of the GIC Re was ₹16,375 crores as against ₹13,857 crore in the previous year. The net incurred claims were at ₹12,900 crores i.e., 85.00 % as against ₹1,892 crores in the previous year i.e., 87.70%. GIC Re’s Profit after tax amounted to ₹2,848 crores as on 31st March 2016 compared to Profit after tax of ₹2,694 crores as on 31st March 2015. The total assets and net-worth as on 31st March 2016 was ₹79,733 crores and ₹14,830 crores, respectively. The present paid up capital of the Corporation is ₹430 crores.

14.4 Agriculture Insurance Company of India Limited

Agriculture Insurance Company Of India Limited (AIC) was incorporated to exclusively cater to the insurance needs of the persons engaged in agriculture and allied activities in India under the Companies Act, 1956 on 20th December 2002. The Authorized Share Capital of the Company is ₹ 1500 crore. The Paid-up Equity Share Capital of the Company of ₹ 200 crore per centage-wise is held by following Government Corporation / Bank / Company:

S. No.	Government Corporation / Bank / Company	Paid up equity Share (%)
1	General Insurance Corporation of India	35.00%
2	National Bank for Agriculture And Rural Development (NABARD)	30.00%
3	The New India Assurance Company Limited	8.75%
4	National Insurance Company Limited	8.75%
5	The Oriental Insurance Company Limited	8.75%
6	United India Insurance Company Limited	8.75%
Total		100%

The Company having received approval from Insurance Regulatory & Development Authority (IRDA) commenced its business operations w.e.f.

1st April, 2003. The total number of employees as on 31st March, 2016 is 301 all over the country. It has its Head Office in New Delhi, 17 Regional Offices in various State Capitals and 1 one man office at District level. During the year, the Company has implemented National Agricultural Insurance Scheme (NAIS) along with National Crop Insurance Programme (NCIP) having three component schemes viz. Weather Based Crop Insurance Scheme (WBCIS), Modified NAIS and Coconut Palm Insurance Scheme (CPIS). All these schemes are central sector crop insurance programme of Ministry of Agriculture. Apart from these certain other commercial crop insurance products designed by the Company has also been marketed during the year. The details of the operations of these Schemes are as under:

- a. **National Agricultural Insurance Scheme (NAIS):** National Agricultural Insurance Scheme (NAIS) was implemented in many states both during Kharif-2015 and Rabi 2015-16. The scheme was implemented in 407 Districts across 18 States and 2 Union Territories during Kharif-2015 season and in 367 Districts across 16 States and 2 Union Territories during Rabi 2015-16. Since introduction in Rabi 1999-2000 to Rabi 2015-16, NAIS covered about 27.12 crore farmers covering 39.16 crore hectare area for sum insured of ₹ 467034.97 crore against premium of ₹ 14121.52 crore. Claims amounting ₹ 54487.51 crore became payable benefitting 8.27 crore farmers.
- b. **National Crop Insurance Programme (NCIP):** Ministry of Agriculture introduced National Crop Insurance Programme (NCIP) from 1st November 2013. NCIP has three component Schemes viz. Modified National Agriculture Insurance Scheme (MNAIS), Weather Based Crop Insurance Scheme (WBCIS) and Coconut Palm Insurance Scheme (CPIS). CPIS is being implemented by AIC only, however, MNAIS and WBCIS are being implemented by AIC and 9 other private sector insurance companies.
 - i. **Modified National Agricultural Insurance Scheme (MNAIS):** The Scheme before

incorporation in NCIP was piloted from Rabi 2010-11 to Kharif 2013. The modified version has many improvements viz. Insurance Unit for major crops is village panchayat or other equivalent unit; threshold yield based on average yield of past seven years, excluding up to two years of declared natural calamities; minimum indemnity level of 80 per cent is available (instead of 60 per cent in NAIS); and premium rates are actuarial, supported by up-front subsidy in premium, which ranges from 40% to 75%, equally shared by Centre and States. Insurer is responsible for the entire claims. AIC has been implementing MNAIS since its inception. During Kharif 2015, the MNAIS was implemented by AIC in 44 Districts across 5 States and during Rabi 2015-16 in 51 Districts across 6 States. Since introduction as pilot in Rabi 2010-11 to Rabi 2015-16, under MNAIS, AIC covered about 1.121 crore farmers insuring 1.36 crore hectare area for sum insured of ₹ 32639.53 crore against premium of ₹ 2916.20 crore. Claims amounting to ₹ 2523.66 crore became payable benefitting more than 32.77 lakh farmers.

- ii. **Weather Based Crop Insurance Scheme (WBCIS):** Apart from the above two yield guarantee insurance Schemes, the Government of India had introduced another Pilot Scheme viz., Pilot Weather Based Crop Insurance Scheme (WBCIS) with effect from Kharif 2007, which became full-fledged Scheme as a component of NCIP. The Scheme operates on an actuarial basis with premium subsidy which ranges from 25% to 50% equally shared by Centre and States. AIC has been implementing the Scheme in various States since its introduction. WBCIS is a parametric insurance product designed to provide insurance protection to the cultivator against adverse weather incidence during the cultivation period, such as deficit & excess rainfall, frost, heat (temperature), relative humidity, wind speed etc., which are deemed to adversely impact the crop yield. The Company insured more than 35 different crops including perennial crops like Apple, Citrus crops, Grapes, Mango, Pomegranate, Cashew nut, Oil palm, etc. The Scheme was implemented by

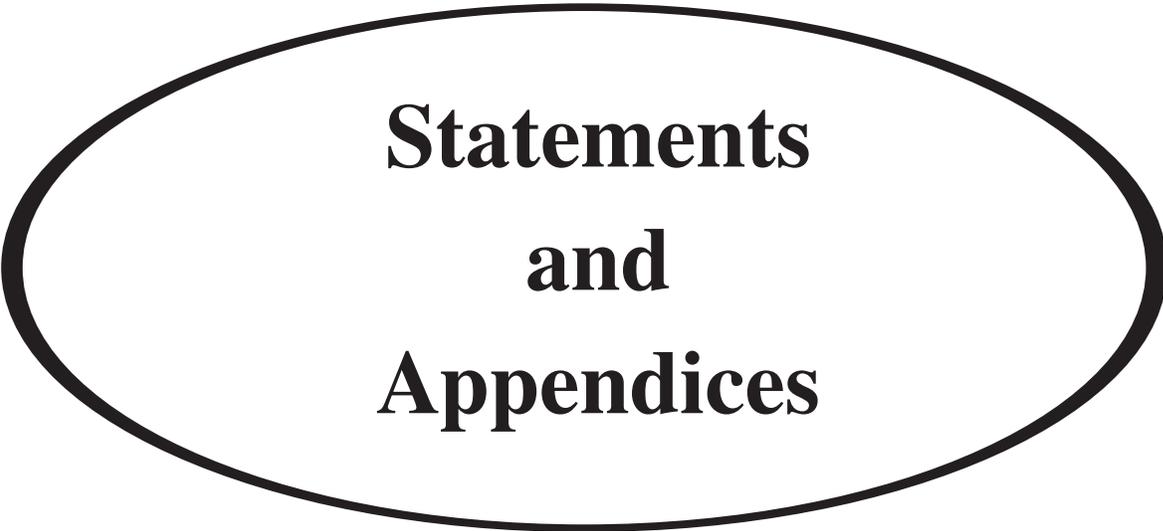
AIC 53 districts across 8 States in Kharif 2015 and 106 districts across 9 States in Rabi 2015-16. Since introduction as pilot in Kharif 2007 to Rabi 2015-16, under WBCIS, AIC covered about 3.66 crore farmers insuring 4.90 crore hectare area for sum insured of ₹ 71024.99 crore against premium of ₹ 6789.73 crore. Claims amounting ₹ 5493.90 crore became payable benefitting around 2.32 crore farmers.

iii. **Coconut Palm Insurance Scheme (CPIS):**

AIC in collaboration with Coconut Board designed Scheme for coconut i.e. Coconut Palm Insurance Scheme (CPIS), which is now a component of NCIP. The Scheme is available to all Coconut growing States/UTs in the country. Dwarf and Hybrid coconut palms in age range of 4 to 60 year and Tall variety coconut palms in age range of 7 to 60 year are eligible for coverage. On premium, 50% subsidy is paid by Coconut Development Board (CDB) and 25% by concerned participating concerned State Government and balance 25% of the premium is paid by farmer/grower. In case, the State government does not agree to bear 25% share of premium, farmers / growers are required to pay 50% of premium. Besides annual policy, 2 years and 3 years policies are also available with a premium rebate of 7.5% and 12.5% respectively. The Scheme was implemented by AIC in 2 states namely Orissa and Tamil Nadu. Since introduction as pilot in 2009-10 to 2015-16, under CPIS, AIC covered 0.58 lakh farmers for sum insured of ₹ 448.42 crore against premium of ₹ 2.71 crore. Claims amounting ₹ 5.11 crore became payable benefitting around 6747 farmers.

AIC also implements the recently launched **Pradhan Mantri Fasal Bima Yojna (PMFBY)** which aims at supporting sustainable production in agriculture sector by way of providing compensation to farmers suffering from crop losses/damage arising out of unforeseen events and to stabilize the income of farmers to ensure their continuance in farming. It further aims to encourage farmers to adopt innovative and modern agriculture practices and to ensure flow of credit to the agriculture sector. All farmers including sharecroppers and tenant farmers, having insurable interest, growing the notified crops in the notified areas are eligible for coverage. In case of non loanee farmers, necessary documentation is required. Following are the key features of the scheme:

- a) Provisions of capping on actuarial premium rates and reduction in sum insured have been removed.
- b) Share of farmer in actuarial premium has been reduced to lower levels which will be subject to maximum ceiling to 5% of sum.
- c) Three levels of indemnity viz 70%,80% & 90% will be available for all crops/areas under the scheme.
- d) Risks to be covered: yield losses, prevented sowing, post-harvest losses, localised calamities.



**Statements
and
Appendices**

Statements and Appendices

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STATEMENT - 1
NET PROFIT / LOSS(-) IN CPSEs UNDER DIFERENT MINISTRIES / DEPARTMENTS

(₹ in Lakhs)

S. No.	Ministry / Deptt. / CPSE	2015-16	2014-15	2013-14
MINISTRY OF AGRICULTURE AND FARMERS WELFARE				
D/O AGRICULTURE COOPERATION AND FARMERS WELFARE				
1	NATIONAL SEEDS CORPN. LTD.	4341	3884	5407
SUB TOTAL :		4341	3884	5407
MINISTRY OF AGRICULTURE AND FARMERS WELFARE				
D/O OF AGRICULTURE RESEARCH AND EDUCATION				
2	AGRINNOVATE INDIA LTD.	247	289	0
SUB TOTAL :		247	289	0
MINISTRY OF AYUSH				
3	INDIAN MEDICINES & PHARMACEUTICAL CORPN. LTD.	-332	-14	241
SUB TOTAL :		-332	-14	241
MINISTRY OF CHEMICALS & FERTILIZERS				
D/O CHEMICALS & PETROCHEMICALS				
4	BRAHAMPUTRA CRACKERS & POLYMER LTD.	-27023	0	0
5	HINDUSTAN FLUOROCARBONS LIMITED	-1111	-377	-2482
6	HINDUSTAN INSECTICIDES LTD.	183	160	185
7	HINDUSTAN ORGANIC CHEMICALS LTD.	-17391	-21549	-17685
SUB TOTAL :		-45342	-21766	-19982
MINISTRY OF CHEMICALS & FERTILIZERS				
D/O FERTILIZER				
8	BRAHMAPUTRA VALLEY FERTILIZER CORPN. LTD.	2850	64612	-15829
9	FCI ARAVALI GYPSUM & MINERALS (INDIA) LTD.	3420	3537	3046
10	FERTILIZER CORPN. OF INDIA LTD.	865	19098	6
11	FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.	-45219	-39991	-26495
12	HINDUSTAN FERTILIZER CORPN. LTD.	934014	-38075	-38050
13	MADRAS FERTILIZERS LTD.	-18954	-13469	10004
14	NATIONAL FERTILIZERS LTD.	19709	2624	-8971
15	PROJECTS & DEVELOPMENT INDIA LTD.	-892	-586	132
16	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	19123	32206	24989
SUB TOTAL :		914916	29956	-51168
MINISTRY OF CHEMICALS & FERTILIZERS				
D/O PHARMACEUTICALS				
17	BENGAL CHEMICALS & PHARMACEUTICALS LTD.	-913	-1732	-3655
18	HINDUSTAN ANTIBIOTICS LTD.	-7718	-7055	-8423
19	IDPL (TAMILNADU) LTD.	-73	112	-234
20	INDIAN DRUGS & PHARMACEUTICALS LTD.	-16608	-16721	-17463
21	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	1951	1106	776
22	ORISSA DRUGS & CHEMICALS LTD.	146	135	49
23	RAJASTHAN DRUGS & PHARMACEUTICALS LTD.	-599	-1976	-1940
SUB TOTAL :		-23814	-26131	-30890
MINISTRY OF CIVIL AVIATION				
24	AIR INDIA AIR TRANSPORT SERVICES LTD.	6879	6759	219
25	AIR INDIA CHARTERS LTD.	36168	-6103	-34532
26	AIR INDIA ENGINEERING SERVICES LTD.	-40710	-24257	0
27	AIR INDIA LTD.	-383678	-585991	-627960
28	AIRLINE ALLIED SERVICES LTD.	-19875	-18392	-22122
29	AIRPORTS AUTHORITY OF INDIA	253736	195922	144106

S. No.	Ministry / Deptt. / CPSE	2015-16	2014-15	2013-14
30	HOTEL CORPN. OF INDIA LTD.	-5910	-5046	-4047
31	PAWAN HANS LTD.	3728	3881	3857
SUB TOTAL :		-149662	-433227	-540479
MINISTRY OF COAL				
32	BHARAT COKING COAL LTD.	76820	76314	171435
33	CENTRAL COALFIELDS LTD.	191470	177061	167176
34	CENTRAL MINE PLANNING & DESIGN INSTITUTE LTD.	2848	2504	1957
35	COAL INDIA LTD.	1634353	1338339	1500854
36	EASTERN COALFIELDS LTD.	86802	113940	87223
37	MAHANADI COALFIELDLS LTD.	418474	355410	362430
38	NLC INDIA LTD.	120415	157968	150188
39	NLC TAMIL NADU POWER LTD.	-16003	0	0
40	NORTHERN COALFIELDS LTD.	272250	213417	200802
41	SOUTH EASTERN COALFIELDS LTD.	324790	365993	477230
42	WESTERN COALFIELDS LTD.	29660	31314	22358
SUB TOTAL :		3141879	2832260	3141653
MINISTRY OF COMMERCE & INDUSTRY				
D/O COMMERCE				
43	E. C. G. C. LTD.	27623	18010	36070
44	INDIA TRADE PROMOTION ORGANISATION	16528	20785	18001
45	KARNATAKA TRADE PROMOTION ORGANISATION	765	1246	464
46	M M T C LTD.	5486	4791	1864
47	P E C LTD.	-114202	-20854	71
48	STATE TRADING CORPN. OF INDIA LTD.	1786	2619	-49220
49	STCL LTD.	-48007	-41259	-35252
50	TAMIL NADU TRADE PROMOTION ORGANISATION	2117	2343	2748
SUB TOTAL :		-107904	-12319	-25254
MINISTRY OF COMMUNICATIONS&INFORMATION TECHNOLOGY				
D/O TELECOMMUNICATIONS				
51	BHARAT BROADBAND NETWORK LTD.	-843	-29	178
52	BHARAT SANCHAR NIGAM LTD.	-387992	-823409	-701976
53	I T I LTD.	25119	-29712	-34426
54	MAHANAGAR TELEPHONE NIGAM LTD.	-200574	-289339	782513
55	MILLENNIUM TELECOM LTD.	29	13	-17
56	TCIL BINA TOLL ROAD LTD.	-1043	-942	0
57	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	3652	2137	1475
SUB TOTAL :		-561652	-1141281	47747
MINISTRY OF COMMUNICATIONS&INFORMATION TECHNOLOGY				
D/O ELECTRONICS AND INFORMATION TECHNOLOGY				
58	NATIONAL INFORMATICS CENTRE SERVICES INCORPORATED	6873	5255	3610
SUB TOTAL :		6873	5255	3610
MINISTRY OF COMSUMER AFFAIRS, FOOD & PUBLIC DISTRIBUTION				
D/O FOOD & PUBLIC DISTRIBUTION				
59	CENTRAL RAILSIDE WAREHOUSE CO. LTD.	1114	1386	1764
60	CENTRAL WAREHOUSING CORPN.	19782	18212	16105
61	FOOD CORPN. OF INDIA	0	0	47806
62	HINDUSTAN VEGETABLE OILS CORPN. LTD.	0	0	-2510
SUB TOTAL :		20896	19598	63165
MINISTRY OF DEFENCE				
D/O DEFENCE PRODUCTION				

S. No.	Ministry / Deptt. / CPSE	2015-16	2014-15	2013-14
63	BEL OPTRONICS DEVICES LTD.	243	367	496
64	BEML LTD.	5265	676	468
65	BHARAT DYNAMICS LTD.	56324	41857	34551
66	BHARAT ELECTRONICS LTD.	135767	116724	93162
67	GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.	16072	4345	12146
68	GOA SHIPYARD LTD.	6189	7824	-6109
69	HINDUSTAN AERONAUTICS LTD.	165377	238805	269252
70	HINDUSTAN SHIPYARD LTD.	1900	-20284	-4621
71	MAZAGON DOCK SHIPBUILDERS LTD.	63782	49159	39761
72	MISHRA DHATU NIGAM LTD.	11803	10213	8246
73	VIGNYAN INDUSTRIES LTD.	45	-22	-97
SUB TOTAL :		462767	449664	447255
MINISTRY OF DEVELOPMENT OF NORTH EASTERN REGION				
74	NORTH EASTERN HANDICRAFTS & HANDLOOM DEV.CORPN. LTD.	-196	-440	-232
75	NORTH EASTERN REGIONAL AGRI. MARKETING CORP.LTD.	-589	-589	-444
SUB TOTAL :		-785	-1029	-676
MINISTRY OF ENVIRONMENT, FORESTS CLIMATE CHANGE				
76	ANDAMAN & NICOBAR ISL. FOREST & PLANT.DEV.CORP.LTD	-4970	-4509	-4020
SUB TOTAL :		-4970	-4509	-4020
MINISTRY OF FINANCE				
D/O FINANCIAL SERVICES				
77	IIFCL ASSET MANAGEMENT COMPANY LTD.	94	0	0
78	IIFCL PROJECTS LTD.	235	0	0
79	INDIA INFRASTRUCTURE FINANCE CO. LTD.	46850	75340	52142
80	IRRIGATION & WATER RESOURCES FINANCE CORPORATION LTD.	0	642	852
SUB TOTAL :		47179	75982	52994
MINISTRY OF FINANCE				
D/O ECONOMIC AFFAIRS				
81	SECURITY PRINTING & MINTING CORPN. INDIA LTD.	20308	-35207	21463
SUB TOTAL :		20308	-35207	21463
MINISTRY OF HEALTH & FAMILY WELFARE				
DEPARTMENT OF HEALTH AND FAMILY WELFARE				
82	GOA ANTIBIOTICS & PHARMACEUTICALS LTD.	230	180	299
83	HLL BIOTECH LTD.	-63	-7	0
84	HLL INFRA TECH SERVICES LTD.	116	0	0
85	HLL LIFECARE LTD.	2888	3155	2572
86	HSCC (INDIA) LTD.	5462	2454	2398
SUB TOTAL :		8633	5782	5269
MINISTRY OF HEAVY INDUSTRIES & PUBLIC ENTERPRISES				
D/O HEAVY INDUSTRIES				
87	ANDREW YULE & COMPANY LTD.	835	1296	2229
88	BHARAT BHARI UDYOG NIGAM LTD.	0	92	436
89	BHARAT HEAVY ELECTRICALS LTD.	-91342	141929	346078
90	BHARAT HEAVY PLATE & VESSELS LTD.	0	0	3504
91	BHARAT PUMPS & COMPRESSORS LTD.	-7506	-5504	-524
92	BHEL ELECTRICAL MACHINES LTD.	-298	-396	-106
93	BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LTD.	4440	4823	4412
94	BRIDGE & ROOF CO.(INDIA) LTD.	265	1200	1061
95	CEMENT CORPN. OF INDIA LTD.	5351	4008	1620

S. No.	Ministry / Deptt. / CPSE	2015-16	2014-15	2013-14
96	ENGINEERING PROJECTS (INDIA) LTD.	2455	2709	1699
97	HEAVY ENGINEERING CORPN. LTD.	-14477	-24169	29931
98	HINDUSTAN CABLES LTD.	-99412	-93299	-78188
99	HINDUSTAN NEWSPRINT LTD.	142	-781	-886
100	HINDUSTAN PAPER CORPORATION LTD.	-37014	-33129	-11850
101	HINDUSTAN PHOTO FILMS MANUFACTURING CO. LTD.	-252791	-216436	-182042
102	HINDUSTAN SALTS LTD.	-113	-495	11
103	HMT (INTERNATIONAL) LTD.	49	52	10
104	HMT BEARINGS LTD.	-1777	-1777	-1598
105	HMT CHINAR WATCHES LTD.	-4905	-4905	-5116
106	HMT LTD.	-2474	-9657	8721
107	HMT MACHINE TOOLS LTD.	-12164	-13494	-5266
108	HMT WATCHES LTD.	-25920	-25920	-23307
109	HOOGHLY PRINTING COMPANY LTD.	13	7	10
110	INSTRUMENTATION LTD.	-17050	-14154	-6861
111	NAGALAND PULP & PAPER COMPANY LTD.	-1739	-1538	-1473
112	NEPA LTD.	-7012	-4871	30886
113	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	1200	1445	1358
114	RICHARDSON & CRUDDAS(1972) LTD.	-1006	-365	-383
115	SAMBHAR SALTS LTD.	-890	-983	44
116	SCOOTERS INDIA LTD.	548	1109	1360
117	TRIVENI STRUCTURALS LTD.	0	0	-7587
118	TUNGABHADRA STEEL PRODUCTS LTD.	-2887	-2887	-3191
119	TYRE CORPORATION OF INDIA LTD.	0	0	-1636
SUB TOTAL :		-565479	-296090	103356
MINISTRY OF HOME AFFAIRS				
120	DELHI POLICE HOUSING CORPORATION LTD.	115	109	89
SUB TOTAL :		115	109	89
MINISTRY OF HOUSING & URBAN POVERTY ALLEVIATION				
121	HINDUSTAN PREFAB LTD.	1006	528	47
122	HOUSING & URBAN DEV. CORPN. LTD.	78379	77763	72634
SUB TOTAL :		79385	78291	72681
MINISTRY OF HUMAN RESOURCE DEVELOPMENT				
D/O SECONDARY EDUCATION & HIGHER EDUCATION				
123	EdCIL(India) Ltd.	3096	509	873
SUB TOTAL :		3096	509	873
MINISTRY OF INFORMATION & BROADCASTING				
124	BROADCAST ENGG. CONSULTANTS INDIA LTD.	-622	-139	12
125	NATIONAL FILM DEV. CORPN. LTD.	1310	-919	-321
SUB TOTAL :		688	-1058	-309
MINISTRY OF MICRO SMALL & MEDIUM ENTERPRISES				
126	NATIONAL SMALL INDUSTRIES CORPN. LTD.	10146	8860	7594
SUB TOTAL :		10146	8860	7594
MINISTRY OF MINES				
127	HINDUSTAN COPPER LTD.	4356	6760	28642
128	MINERAL EXPLORATION CORPN. LTD.	7676	5944	2546

S. No.	Ministry / Deptt. / CPSE	2015-16	2014-15	2013-14
129	NATIONAL ALUMINIUM COMPANY LTD.	73101	132185	64235
SUB TOTAL :		85133	144889	95423
MINISTRY OF MINORITIES AFFAIRS				
130	NATIONAL MINORITIES DEVP. & FINANCE CORPORATION	2305	3439	2909
SUB TOTAL :		2305	3439	2909
MINISTRY OF NEW AND RENEWABLE ENERGY				
131	INDIAN RENEWABLE ENERGY DEVT.AGENCY LTD.	29804	27191	24051
132	SOLAR ENERGY CORPORATION OF INDIA	1910	1060	-285
SUB TOTAL :		31714	28251	23766
MINISTRY OF PETROLEUM & NATURAL GAS				
133	BALMER LAWRIE & CO. LTD.	16320	14744	15667
134	BALMER LAWRIE INVESTMENTS LTD.	3563	3569	3439
135	BHARAT PETRO RESOURCES LTD.	-5449	-3429	-16617
136	BHARAT PETROLEUM CORPN. LTD.	743188	508451	406088
137	BIECCO LAWRIE LTD.	0	0	-1439
138	CERTIFICATION ENGINEERS INTERNATIONAL LTD.	928	876	636
139	CHENNAI PETROLEUM CORPORATION LTD.	77068	-3899	-30385
140	CREDA HPCL BIOFUEL LTD.	-715	-507	-86
141	ENGINEERS INDIA LTD.	25831	30798	47976
142	GAIL (INDIA) LTD.	229890	303917	437527
143	GAIL GAS LTD.	3896	1684	1144
144	HINDUSTAN PETROLEUM CORPN. LTD.	386274	273326	173377
145	HPCL BIOFUELS LTD.	-4977	-8437	-11588
146	INDIAN OIL CORPORATION LTD.	1039903	527303	701909
147	INDIAN OIL-CREDA BIOFUELS LTD.	-19	-1376	-346
148	MANGALORE REFINERY & PETROCHEMICALS LTD.	114816	-171223	60118
149	NUMALIGARH REFINERY LTD.	122234	71831	37109
150	OIL & NATURAL GAS CORPORATION LTD.	1600365	1773295	2209481
151	OIL INDIA LTD.	233011	251020	298130
152	ONGC MANGALORE PETROCHEMICALS LTD.	-87535	0	0
153	ONGC VIDESH LTD.	-209355	190422	444532
154	PETRONET CCK LTD.	5941	0	0
155	PRIZE PETROLEUM COMPANY LTD.	-4887	208	-2281
SUB TOTAL :		4290291	3762573	4774391
MINISTRY OF POWER				
156	KANTI BIJLEE UTPADAN NIGAM LTD.	-5820	1724	-54
157	NHDC LTD.	63000	76646	106363
158	NHPC LTD.	244014	212447	97879
159	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	37255	31854	23152
160	NTPC ELECTRIC SUPPLY COMPANY LTD.	91	126	1976
161	NTPC LTD.	1024291	1029086	1097474
162	NTPC VIDYUT VYAPAR NIGAM LTD.	5032	4361	6023
163	PFC CAPITAL ADVISORY SERVICE LTD.	133	185	303
164	PFC CONSULTING LTD.	3706	2170	2696
165	PFC GREEN ENERGY LTD.	2260	1891	1326
166	POWER FINANCE CORPORATION LTD.	611348	595933	541775
167	POWER GRID CORPORATION OF INDIA LTD.	602672	497917	449742

S. No.	Ministry / Deptt. / CPSE	2015-16	2014-15	2013-14
168	POWER SYSTEM OPERATION CORPORATION LTD.	5555	4804	6081
169	REC POWER DISTRIBUTION CO. LTD.	3617	3477	3300
170	REC TRANSMISSION PROJECTS CO. LTD.	2881	4754	2386
171	RURAL ELECTRIFICATION CORPN. LTD.	562766	525987	468370
172	SJVN LTD.	140848	167675	111463
173	THDC INDIA LTD.	80902	69115	59532
SUB TOTAL :		3384551	3230152	2979787
MINISTRY OF RAILWAYS				
174	BHARAT WAGON & ENGG. CO. LTD.	-1526	-1568	-667
175	BRAITHWAITE & CO. LTD.	64	-4461	1043
176	BURN STANDARD COMPANY LTD.	-2837	-2466	-828
177	CONCOR AIR LTD.	1510	1134	10
178	CONTAINER CORPORATION OF INDIA LTD.	78693	104755	98476
179	FRESH & HEALTHY ENTERPRISES LTD.	-2603	-1447	-3916
180	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	18863	13063	7201
181	INDIAN RAILWAY FINANCE CORPORATION LTD.	84869	75830	70069
182	INDIAN RAILWAY STATIONS DEVPT. CORPORATION LTD.	115	198	0
183	IRCON INFRASTRUCTURE & SERVICES LTD.	1422	1093	766
184	IRCON INTERNATIONAL LTD.	37927	57939	90650
185	KONKAN RAILWAY CORPORATION LTD.	12950	3939	1311
186	MUMBAI RAILWAY VIKAS CORPORATION LTD.	4021	3657	2301
187	RAIL VIKAS NIGAM LTD.	28759	18572	15742
188	RAILTEL CORPORATION INDIA LTD.	10383	12094	13793
189	RAILTEL ENTERPRISES LTD.	75	13	0
190	RAILWAY ENERGY MANAGEMENT COMPANY LTD.	314	22	0
191	BITES INFRASTRUCTURE SERVICES LTD.	-41	10	5
192	BITES LTD.	33892	30614	26361
193	SIDCUL CONCOR INFRA COMPANY LTD.	197	0	0
SUB TOTAL :		307047	312991	322317
MINISTRY OF ROAD TRANSPORT AND HIGHWAYS				
194	NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPN. LTD.	1123	0	0
SUB TOTAL :		1123	0	0
MINISTRY OF SCIENCE & TECHNOLOGY				
DEPT. OF BIOTECHNOLOGY				
195	BHARAT IMMUNOLOGICALS & BIOLOGICALS CORP. LTD.	-621	155	502
196	BIOTECHNOLOGY INDUSTRY RESEARCH ASSISTANCE COUNCIL	328	141	110
197	INDIAN VACCINE CORP. LTD.	-208	-164	-165
SUB TOTAL :		-501	132	447
MINISTRY OF SCIENCE & TECHNOLOGY				
DEPT. OF SCIENTIFIC & INDUSTRIAL RESEARCH				
198	CENTRAL ELECTRONICS LTD.	856	406	309
199	NATIONAL RESEARCH DEVELOPMENT CORPN.	5	-76	-108
SUB TOTAL :		861	330	201
MINISTRY OF SHIPPING				
200	CENTRAL INLAND WATER TRANSPORT CORPN. LTD.	-289	887	9545
201	COCHIN SHIPYARD LTD.	27503	23507	19424
202	DREDGING CORPN. OF INDIA LTD.	7967	6241	3755
203	HOOGHLY DOCK AND PORT ENGINEERS LTD.	-1980	248	10096

S. No.	Ministry / Deptt. / CPSE	2015-16	2014-15	2013-14
204	KAMARAJAR PORT LTD.	35072	33657	31631
205	SHIPPING CORPORATION OF INDIA LTD.	37729	20093	-27466
SUB TOTAL :		106002	84633	46985
MINISTRY OF SOCIAL JUSTICE & EMPOWERMENT				
DEPARTMENT OF EMPOWERMENT OF PERSONS WITH DISABILITY				
206	ARTIFICIAL LIMBS MFG. CORPN. OF INDIA	4620	3165	3147
207	NATIONAL BACKWARD CLASSES FINANCE & DEVP.CO.	2406	3734	1985
208	NATIONAL HANDICAPPED FINANCE & DEVPT. CORPN.	838	959	964
209	NATIONAL SAFAI KARAMCHARIS FINANCE & DEVPT. CORPN	1139	886	670
210	NATIONAL SCHEDULED CASTES FINANCE & DEVP. CORPN.	4405	3614	3007
SUB TOTAL :		13408	12358	9773
MINISTRY OF STEEL				
211	EASTERN INVESTMENT LTD.	145	-1272	9
212	FERRO SCRAP NIGAM LTD.	2111	1710	842
213	HINDUSTAN STEELWORKS COSTN. LTD.	3690	-811	-1867
214	J & K MINERAL DEVELOPMENT CORPN. LTD.	-165	-80	-74
215	KIOCL LTD.	-7766	3082	3994
216	M S T C LTD.	5988	9099	-7003
217	MECON LTD.	-16241	2027	4948
218	MOIL LTD.	17298	42801	50956
219	NMDC Ltd.	302833	642186	642008
220	ORISSA MINERAL DEVELOPMENT COMPANY LTD.	1063	1770	626
221	RASHTRIYA ISPAT NIGAM LTD.	-142064	6238	36645
222	SAIL REFRACTORY COMPANY LTD.	1545	2423	1542
223	STEEL AUTHORITY OF INDIA LTD.	-413726	209268	261648
224	THE BISRA STONE LIME COMPANY LTD.	-1617	-2727	-1876
SUB TOTAL :		-246906	915714	992398
MINISTRY OF TEXTILES				
225	BIRDS JUTE & EXPORTS LTD.	-464	-585	-265
226	BRITISH INDIA CORPORATION LTD.	-9724	-9494	-9261
227	CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.	21	93	13
228	COTTON CORPN. OF INDIA LTD.	1169	2259	5984
229	HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	-1076	340	169
230	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	2408	2540	1203
231	NATIONAL JUTE MANUFACTURES CORPORATION LTD.	731	-49	-655
232	NATIONAL TEXTILE CORPN. LTD.	1648	-31625	-17571
233	THE JUTE CORPN. OF INDIA LTD.	1089	1055	987
SUB TOTAL :		-4198	-35466	-19396
MINISTRY OF TOURISM				
234	ASSAM ASHOK HOTEL CORPN. LTD.	-155	-119	35
235	DONYI POLO ASHOK HOTEL LTD.	1	-3	23
236	INDIA TOURISM DEV. CORPN. LTD.	2255	3437	942
237	KUMARAKRUPPA FRONTIER HOTELS LTD.	683	600	582
238	MADHYA PRADESH ASHOK HOTEL CORPN. LTD.	-35	5	73
239	PONDICHERRY ASHOK HOTEL CORPN. LTD.	-21	-31	-33
240	RANCHI ASHOK BIHAR HOTEL CORPN. LTD.	-168	-107	-82
241	UTKAL ASHOK HOTEL CORPN. LTD.	-197	-70	-59
SUB TOTAL :		2363	3712	1481

S. No.	Ministry / Deptt. / CPSE	2015-16	2014-15	2013-14
MINISTRY OF TRIBAL AFFAIRS				
242	NATIONAL SCHEDULED TRIBES FINANCE & DEVP. CORPN.	2168	2209	1838
SUB TOTAL :		2168	2209	1838
MINISTRY OF URBAN DEVELOPMENT				
243	NBCC (INDIA) LTD.	30880	27730	24714
244	NBCC SERVICES LTD.	577	0	0
SUB TOTAL :		31457	27730	24714
MINISTRY OF WATER RESOURCES, RIVER DEVELOPMENT & GANGA REJUVENATION				
245	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	1081	1359	4706
246	WAPCOS LTD.	8383	7293	6702
SUB TOTAL :		9464	8652	11408
DEPT. OF ATOMIC ENERGY				
247	ELECTRONICS CORPN. OF INDIA LTD.	7454	5018	4739
248	INDIAN RARE EARTHS LTD.	-10451	67	4678
249	NUCLEAR POWER CORPN. OF INDIA LTD.	270744	220075	229920
250	URANIUM CORPORATION OF INDIA LTD.	10213	818	1069
SUB TOTAL :		277960	225978	240406
DEPT. OF SPACE				
251	ANTRIX CORPORATION LTD.	20913	20510	20050
SUB TOTAL :		20913	20510	20050
GRAND TOTAL :		11576684	10286595	12829517

STATEMENT - 2
DIVIDEND DECLARED BY CPSEs (COGNATE GROUP WISE)

(₹ in Lakhs)

S. No.	Cognate Group / CPSE	2015-16	2014-15	2013-14
	AGRO BASED INDUSTRIES			
1	NATIONAL SEEDS CORPN. LTD.	1146	813	206
	SUB TOTAL :	1146	813	206
	COAL			
2	CENTRAL COALFIELDS LTD.	145700	35474	100305
3	COAL INDIA LTD.	1730684	1307488	1831746
4	MAHANADI COALFIELDLS LTD.	360845	384182	598316
5	NORTHERN COALFIELDS LTD.	365992	456399	213684
6	SOUTH EASTERN COALFIELDS LTD.	639032	338077	286338
7	WESTERN COALFIELDS LTD.	58160	18806	13429
	SUB TOTAL :	3300413	2540426	3043818
	CRUDE OIL			
8	OIL & NATURAL GAS CORPORATION LTD.	727218	812772	812772
9	OIL INDIA LTD.	96182	120228	129245
	SUB TOTAL :	823400	933000	942017
	OTHER MINERALS & METALS			
10	EASTERN INVESTMENT LTD.	29	0	1
11	FCI ARAVALI GYPSUM & MINERALS (INDIA) LTD.	1026	936	931
12	HINDUSTAN COPPER LTD.	0	1388	9252
13	INDIAN RARE EARTHS LTD.	0	1727	1727
14	KIOCL LTD.	0	635	825
15	MOIL LTD.	8400	14280	12600
16	NATIONAL ALUMINIUM COMPANY LTD.	51545	45102	38659
17	NMDC Ltd.	436119	338983	337001
18	ORISSA MINERAL DEVELOPMENT COMPANY LTD.	159	266	62
19	URANIUM CORPORATION OF INDIA LTD.	3064	164	214
	SUB TOTAL :	500342	403481	401272
	STEEL			
20	FERRO SCRAP NIGAM LTD.	633	342	168
21	MISHRA DHATU NIGAM LTD.	3541	3747	3747
22	RASHTRIYA ISPAT NIGAM LTD.	0	2535	8260
23	SAIL REFRACTORY COMPANY LTD.	464	480	300
24	STEEL AUTHORITY OF INDIA LTD.	0	82610	83435
	SUB TOTAL :	4638	89714	95910
	PETROLEUM (REFINERY & MARKETING)			
25	BHARAT PETROLEUM CORPN. LTD.	224156	162694	122924
26	CHENNAI PETROLEUM CORPORATION LTD.	9408	0	0
27	GAIL (INDIA) LTD.	69766	76108	131921
28	GAIL GAS LTD.	804	0	0
29	HINDUSTAN PETROLEUM CORPN. LTD.	116826	82964	52487
30	INDIAN OIL CORPORATION LTD.	339913	160245	211232

S. No.	Cognate Group / CPSE	2015-16	2014-15	2013-14
31	NUMALIGARH REFINERY LTD.	51494	29425	11770
	SUB TOTAL :	812367	511436	530334
	FERTILIZERS			
32	NATIONAL FERTILIZERS LTD.	5936	834	0
33	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	6069	9930	8275
	SUB TOTAL :	12005	10764	8275
	CHEMICALS & PHARMACEUTICALS			
34	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	202	189	155
	SUB TOTAL :	202	189	155
	HEAVY ENGINEERING			
35	BHARAT BHARI UDYOG NIGAM LTD.	0	0	300
36	BHARAT HEAVY ELECTRICALS LTD.	9790	28392	69268
	SUB TOTAL :	9790	28392	69568
	MEDIUM & LIGHT ENGINEERING			
37	ANDREW YULE & COMPANY LTD.	0	334	0
38	BALMER LAWRIE & CO. LTD.	5700	5130	5130
39	BHARAT DYNAMICS LTD.	16897	8371	6910
40	BHARAT ELECTRONICS LTD.	40800	23360	18640
41	ELECTRONICS CORPN. OF INDIA LTD.	1491	1004	948
42	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	421	204	209
	SUB TOTAL :	65309	38403	31837
	TRANSPORTATION EQUIPMENT			
43	BEML LTD.	1666	416	416
44	COCHIN SHIPYARD LTD.	8666	1699	1699
45	GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.	5322	2477	2477
46	GOA SHIPYARD LTD.	1862	1571	0
47	HINDUSTAN AERONAUTICS LTD.	62732	48000	89000
48	MAZAGON DOCK SHIPBUILDERS LTD.	19920	10000	10000
	SUB TOTAL :	100168	64163	103592
	CONSUMER GOODS			
49	HLL LIFECARE LTD.	387	387	387
50	SECURITY PRINTING & MINTING CORPN. INDIA LTD.	6092	0	4293
	SUB TOTAL :	6479	387	4680
	POWER GENERATION			
51	NHDC LTD.	40037	23158	79288
52	NHPC LTD.	166060	66427	33213
53	NLC INDIA LTD.	50332	46976	46976
54	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	11176	9556	6946
55	NTPC LTD.	276224	206138	474115
56	NUCLEAR POWER CORPN. OF INDIA LTD.	80024	63913	68977
57	REC POWER DISTRIBUTION CO. LTD.	1085	50	25
58	SJVN LTD.	45503	43435	40539
59	THDC INDIA LTD.	16200	14000	0

S. No.	Cognate Group / CPSE	2015-16	2014-15	2013-14
SUB TOTAL :		686641	473653	750079
POWER TRANSMISSION				
60	NTPC ELECTRIC SUPPLY COMPANY LTD.	0	0	600
61	POWER GRID CORPORATION OF INDIA LTD.	120850	104632	134976
62	REC TRANSMISSION PROJECTS CO. LTD.	865	951	10
SUB TOTAL :		121715	105583	135586
TRADING & MARKETING				
63	ANTRIX CORPORATION LTD.	6300	4112	4010
64	CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.	9	19	3
65	CENTRAL RAILSIDE WAREHOUSE CO. LTD.	406	608	608
66	CENTRAL WAREHOUSING CORPN.	5982	3671	3263
67	COTTON CORPN. OF INDIA LTD.	351	500	500
68	HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	0	35	34
69	HMT (INTERNATIONAL) LTD.	14	14	7
70	M M T C LTD.	3000	2500	1500
71	M S T C LTD.	1804	1822	0
72	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	731	511	241
73	NTPC VIDYUT VYAPAR NIGAM LTD.	2000	2000	0
SUB TOTAL :		20597	15792	10166
TRANSPORT SERVICES				
74	AIRPORTS AUTHORITY OF INDIA	76121	39185	28800
75	CONCOR AIR LTD.	440	0	0
76	CONTAINER CORPORATION OF INDIA LTD.	26321	26127	23982
77	DREDGING CORPN. OF INDIA LTD.	840	840	840
78	KAMARAJAR PORT LTD.	10500	9600	9600
79	PAWAN HANS LTD.	0	776	771
SUB TOTAL :		114222	76528	63993
CONTRACT & CONSTRUCTION SERVICES				
80	BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LTD.	1332	0	405
81	BRIDGE & ROOF CO.(INDIA) LTD.	0	137	275
82	IRCON INTERNATIONAL LTD.	16826	18212	18212
83	MINERAL EXPLORATION CORPN. LTD.	2307	1195	514
84	NBCC (INDIA) LTD.	12000	6600	6000
85	PROJECTS & DEVELOPMENT INDIA LTD.	185	0	173
86	RAIL VIKAS NIGAM LTD.	11510	3720	3150
SUB TOTAL :		44160	29864	28729
INDUSTRIAL DEVELOPMENT & TECH.CONULTANCY SERVICES				
87	CERTIFICATION ENGINEERS INTERNATIONAL LTD.	500	450	400
88	EdCIL(India) Ltd.	1000	200	200
89	ENGINEERING PROJECTS (INDIA) LTD.	1082	708	708
90	ENGINEERS INDIA LTD.	13477	16847	21901
91	HLL INFRA TECH SERVICES LTD.	35	0	0
92	HSCC (INDIA) LTD.	1638	492	492
93	MECON LTD.	0	909	972

S. No.	Cognate Group / CPSE	2015-16	2014-15	2013-14
94	NATIONAL SMALL INDUSTRIES CORPN. LTD.	2905	1702	1519
95	POWER SYSTEM OPERATION CORPORATION LTD.	475	1992	2604
96	BITES LTD.	13600	6200	5300
97	SOLAR ENERGY CORPORATION OF INDIA	191	0	0
98	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	365	258	103
99	WAPCOS LTD.	2525	1650	1500
SUB TOTAL :		37793	31408	35699
	TOURIST SERVICES			
100	INDIA TOURISM DEV. CORPN. LTD.	1287	1715	429
101	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	7545	2613	1440
SUB TOTAL :		8832	4328	1869
	FINANCIAL SERVICES			
102	BALMER LAWRIE INVESTMENTS LTD.	2775	2775	2664
103	E. C. G. C. LTD.	6500	4800	8800
104	HOUSING & URBAN DEV. CORPN. LTD.	10001	10001	10001
105	INDIA INFRASTRUCTURE FINANCE CO. LTD.	0	28254	0
106	INDIAN RAILWAY FINANCE CORPORATION LTD.	33948	15200	14014
107	INDIAN RENEWABLE ENERGY DEVT.AGENCY LTD.	15000	5440	3500
108	KUMARAKRUPPA FRONTIER HOTELS LTD.	487	439	439
109	POWER FINANCE CORPORATION LTD.	183486	120124	118804
110	RURAL ELECTRIFICATION CORPN. LTD.	168855	105658	93809
SUB TOTAL :		421052	292691	252031
	TELECOMMUNICATION SERVICES			
111	RAILTEL CORPORATION INDIA LTD.	4153	1700	1700
SUB TOTAL :		4153	1700	1700
GRAND TOTAL :		7095424	5652715	6511516

STATEMENT - 3
NET PROFIT OF PROFIT MAKING CPSEs (COGNATE GROUP WISE)

(₹ in Lakhs)

S. No.	Cognate Group / CPSE	2015-16	2014-15	2013-14
	AGRO BASED INDUSTRIES			
1	NATIONAL SEEDS CORPN. LTD.	4341	3884	5407
	SUB TOTAL :	4341	3884	5407
	COAL			
2	BHARAT COKING COAL LTD.	76820	76314	171435
3	CENTRAL COALFIELDS LTD.	191470	177061	167176
4	COAL INDIA LTD.	1634353	1338339	1500854
5	EASTERN COALFIELDS LTD.	86802	113940	87223
6	MAHANADI COALFIELDLS LTD.	418474	355410	362430
7	NORTHERN COALFIELDS LTD.	272250	213417	200802
8	SOUTH EASTERN COALFIELDS LTD.	324790	365993	477230
9	WESTERN COALFIELDS LTD.	29660	31314	22358
	SUB TOTAL :	3034619	2671788	2989508
	CRUDE OIL			
10	OIL & NATURAL GAS CORPORATION LTD.	1600365	1773295	2209481
11	OIL INDIA LTD.	233011	251020	298130
	SUB TOTAL :	1833376	2024315	2507611
	OTHER MINERALS & METALS			
12	EASTERN INVESTMENT LTD.	145	-1272	9
13	FCI ARAVALI GYPSUM & MINERALS (INDIA) LTD.	3420	3537	3046
14	HINDUSTAN COPPER LTD.	4356	6760	28642
15	MOIL LTD.	17298	42801	50956
16	NATIONAL ALUMINIUM COMPANY LTD.	73101	132185	64235
17	NMDC Ltd.	302833	642186	642008
18	ORISSA MINERAL DEVELOPMENT COMPANY LTD.	1063	1770	626
19	URANIUM CORPORATION OF INDIA LTD.	10213	818	1069
	SUB TOTAL :	412429	828785	790591
	STEEL			
20	FERRO SCRAP NIGAM LTD.	2111	1710	842
21	MISHRA DHATU NIGAM LTD.	11803	10213	8246
22	SAIL REFRACTORY COMPANY LTD.	1545	2423	1542
	SUB TOTAL :	15459	14346	10630
	PETROLEUM (REFINERY & MARKETING)			
23	BHARAT PETROLEUM CORPN. LTD.	743188	508451	406088
24	CHENNAI PETROLEUM CORPORATION LTD.	77068	-3899	-30385
25	GAIL (INDIA) LTD.	229890	303917	437527
26	GAIL GAS LTD.	3896	1684	1144
27	HINDUSTAN PETROLEUM CORPN. LTD.	386274	273326	173377
28	INDIAN OIL CORPORATION LTD.	1039903	527303	701909
29	MANGALORE REFINERY & PETROCHEMICALS LTD.	114816	-171223	60118
30	NUMALIGARH REFINERY LTD.	122234	71831	37109
	SUB TOTAL :	2717269	1511390	1786887
	FERTILIZERS			
31	BRAHMAPUTRA VALLEY FERTILIZER CORPN. LTD.	2850	64612	-15829
32	FERTILIZER CORPN. OF INDIA LTD.	865	19098	6
33	HINDUSTAN FERTILIZER CORPN. LTD.	934014	-38075	-38050
34	NATIONAL FERTILIZERS LTD.	19709	2624	-8971

S. No.	Cognate Group / CPSE	2015-16	2014-15	2013-14
35	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	19123	32206	24989
	SUB TOTAL :	976561	80465	-37855
	CHEMICALS & PHARMACEUTICALS			
36	GOA ANTIBIOTICS & PHARMACEUTICALS LTD.	230	180	299
37	HINDUSTAN INSECTICIDES LTD.	183	160	185
38	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	1951	1106	776
39	ORISSA DRUGS & CHEMICALS LTD.	146	135	49
	SUB TOTAL :	2510	1581	1309
	HEAVY ENGINEERING			
40	BRAITHWAITE & CO. LTD.	64	-4461	1043
	SUB TOTAL :	64	-4461	1043
	MEDIUM & LIGHT ENGINEERING			
41	ANDREW YULE & COMPANY LTD.	835	1296	2229
42	BALMER LAWRIE & CO. LTD.	16320	14744	15667
43	BEL OPTRONICS DEVICES LTD.	243	367	496
44	BHARAT DYNAMICS LTD.	56324	41857	34551
45	BHARAT ELECTRONICS LTD.	135767	116724	93162
46	CENTRAL ELECTRONICS LTD.	856	406	309
47	ELECTRONICS CORPN. OF INDIA LTD.	7454	5018	4739
48	I T I LTD.	25119	-29712	-34426
49	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	1200	1445	1358
50	SCOOTERS INDIA LTD.	548	1109	1360
51	VIGNYAN INDUSTRIES LTD.	45	-22	-97
	SUB TOTAL :	244711	153232	119348
	TRANSPORTATION EQUIPMENT			
52	BEML LTD.	5265	676	468
53	COCHIN SHIPYARD LTD.	27503	23507	19424
54	GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.	16072	4345	12146
55	GOA SHIPYARD LTD.	6189	7824	-6109
56	HINDUSTAN AERONAUTICS LTD.	165377	238805	269252
57	HINDUSTAN SHIPYARD LTD.	1900	-20284	-4621
58	MAZAGON DOCK SHIPBUILDERS LTD.	63782	49159	39761
	SUB TOTAL :	286088	304032	330321
	CONSUMER GOODS			
59	ARTIFICIAL LIMBS MFG. CORPN. OF INDIA	4620	3165	3147
60	CEMENT CORPN. OF INDIA LTD.	5351	4008	1620
61	HINDUSTAN NEWSPRINT LTD.	142	-781	-886
62	HLL LIFECARE LTD.	2888	3155	2572
63	HOOGLY PRINTING COMPANY LTD.	13	7	10
64	SECURITY PRINTING & MINTING CORPN. INDIA LTD.	20308	-35207	21463
	SUB TOTAL :	33322	-25653	27926
	TEXTILES			
65	NATIONAL JUTE MANUFACTURES CORPORATION LTD.	731	-49	-655
66	NATIONAL TEXTILE CORPN. LTD.	1648	-31625	-17571
	SUB TOTAL :	2379	-31674	-18226
	POWER GENERATION			
67	NHDC LTD.	63000	76646	106363
68	NHPC LTD.	244014	212447	97879
69	NLC INDIA LTD.	120415	157968	150188
70	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	37255	31854	23152

S. No.	Cognate Group / CPSE	2015-16	2014-15	2013-14
71	NTPC LTD.	1024291	1029086	1097474
72	NUCLEAR POWER CORPN. OF INDIA LTD.	270744	220075	229920
73	REC POWER DISTRIBUTION CO. LTD.	3617	3477	3300
74	SJVN LTD.	140848	167675	111463
75	THDC INDIA LTD.	80902	69115	59532
SUB TOTAL :		1985086	1968343	1879271
POWER TRANSMISSION				
76	NTPC ELECTRIC SUPPLY COMPANY LTD.	91	126	1976
77	POWER GRID CORPORATION OF INDIA LTD.	602672	497917	449742
78	REC TRANSMISSION PROJECTS CO. LTD.	2881	4754	2386
SUB TOTAL :		605644	502797	454104
TRADING & MARKETING				
79	ANTRIX CORPORATION LTD.	20913	20510	20050
80	CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.	21	93	13
81	CENTRAL RAILSIDE WAREHOUSE CO. LTD.	1114	1386	1764
82	CENTRAL WAREHOUSING CORPN.	19782	18212	16105
83	COTTON CORPN. OF INDIA LTD.	1169	2259	5984
84	HMT (INTERNATIONAL) LTD.	49	52	10
85	INDIA TRADE PROMOTION ORGANISATION	16528	20785	18001
86	KARNATAKA TRADE PROMOTION ORGANISATION	765	1246	464
87	M M T C LTD.	5486	4791	1864
88	M S T C LTD.	5988	9099	-7003
89	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	2408	2540	1203
90	NTPC VIDYUT VYAPAR NIGAM LTD.	5032	4361	6023
91	SIDCUL CONCOR INFRA COMPANY LTD.	197	0	0
92	STATE TRADING CORPN. OF INDIA LTD.	1786	2619	-49220
93	TAMIL NADU TRADE PROMOTION ORGANISATION	2117	2343	2748
94	THE JUTE CORPN. OF INDIA LTD.	1089	1055	987
SUB TOTAL :		84444	91351	18993
TRANSPORT SERVICES				
95	AIR INDIA AIR TRANSPORT SERVICES LTD.	6879	6759	219
96	AIR INDIA CHARTERS LTD.	36168	-6103	-34532
97	AIRPORTS AUTHORITY OF INDIA	253736	195922	144106
98	CONCOR AIR LTD.	1510	1134	10
99	CONTAINER CORPORATION OF INDIA LTD.	78693	104755	98476
100	DREDGING CORPN. OF INDIA LTD.	7967	6241	3755
101	KAMARAJAR PORT LTD.	35072	33657	31631
102	PAWAN HANS LTD.	3728	3881	3857
103	PETRONET CCK LTD.	5941	0	0
104	SHIPPING CORPORATION OF INDIA LTD.	37729	20093	-27466
SUB TOTAL :		467423	366339	220056
CONTRACT & CONSTRUCTION SERVICES				
105	BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LTD.	4440	4823	4412
106	BRIDGE & ROOF CO.(INDIA) LTD.	265	1200	1061
107	HINDUSTAN PREFAB LTD.	1006	528	47
108	HINDUSTAN STEELWORKS COSTN. LTD.	3690	-811	-1867
109	INDIAN RAILWAY STATIONS DEVPT. CORPORATION LTD.	115	198	0
110	IRCON INFRASTRUCTURE & SERVICES LTD.	1422	1093	766
111	IRCON INTERNATIONAL LTD.	37927	57939	90650
112	KONKAN RAILWAY CORPORATION LTD.	12950	3939	1311
113	MINERAL EXPLORATION CORPN. LTD.	7676	5944	2546

S. No.	Cognate Group / CPSE	2015-16	2014-15	2013-14
114	MUMBAI RAILWAY VIKAS CORPORATION LTD.	4021	3657	2301
115	NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPN. LTD.	1123	0	0
116	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	1081	1359	4706
117	NBCC (INDIA) LTD.	30880	27730	24714
118	NBCC SERVICES LTD.	577	0	0
119	RAIL VIKAS NIGAM LTD.	28759	18572	15742
SUB TOTAL :		135932	126171	146389
INDUSTRIAL DEVELOPMENT & TECH. CONSULTANCY SERVICES				
120	AGRINNOVATE INDIA LTD.	247	289	0
121	CENTRAL MINE PLANNING & DESIGN INSTITUTE LTD.	2848	2504	1957
122	CERTIFICATION ENGINEERS INTERNATIONAL LTD.	928	876	636
123	EdCIL(India) Ltd.	3096	509	873
124	ENGINEERING PROJECTS (INDIA) LTD.	2455	2709	1699
125	ENGINEERS INDIA LTD.	25831	30798	47976
126	HLL INFRA TECH SERVICES LTD.	116	0	0
127	HSCC (INDIA) LTD.	5462	2454	2398
128	IIFCL PROJECTS LTD.	235	0	0
129	NATIONAL INFORMATICS CENTRE SERVICES INCORPORATED	6873	5255	3610
130	NATIONAL RESEARCH DEVELOPMENT CORPN.	5	-76	-108
131	NATIONAL SMALL INDUSTRIES CORPN. LTD.	10146	8860	7594
132	PFC CAPITAL ADVISORY SERVICE LTD.	133	185	303
133	PFC CONSULTING LTD.	3706	2170	2696
134	POWER SYSTEM OPERATION CORPORATION LTD.	5555	4804	6081
135	RAILWAY ENERGY MANAGEMENT COMPANY LTD.	314	22	0
136	BITES LTD.	33892	30614	26361
137	SOLAR ENERGY CORPORATION OF INDIA	1910	1060	-285
138	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	3652	2137	1475
139	WAPCOS LTD.	8383	7293	6702
SUB TOTAL :		115787	102463	109968
TOURIST SERVICES				
140	DONYI POLO ASHOK HOTEL LTD.	1	-3	23
141	INDIA TOURISM DEV. CORPN. LTD.	2255	3437	942
142	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	18863	13063	7201
SUB TOTAL :		21119	16497	8166
FINANCIAL SERVICES				
143	BALMER LAWRIE INVESTMENTS LTD.	3563	3569	3439
144	BIOTECHNOLOGY INDUSTRY RESEARCH ASSISTANCE COUNCIL	328	141	110
145	DELHI POLICE HOUSING CORPORATION LTD.	115	109	89
146	E. C. G. C. LTD.	27623	18010	36070
147	HOUSING & URBAN DEV. CORPN. LTD.	78379	77763	72634
148	IIFCL ASSET MANAGEMENT COMPANY LTD.	94	0	0
149	INDIA INFRASTRUCTURE FINANCE CO. LTD.	46850	75340	52142
150	INDIAN RAILWAY FINANCE CORPORATION LTD.	84869	75830	70069
151	INDIAN RENEWABLE ENERGY DEVT. AGENCY LTD.	29804	27191	24051
152	KUMARAKRUPPA FRONTIER HOTELS LTD.	683	600	582
153	NATIONAL BACKWARD CLASSES FINANCE & DEVPT. CO.	2406	3734	1985
154	NATIONAL FILM DEV. CORPN. LTD.	1310	-919	-321
155	NATIONAL HANDICAPPED FINANCE & DEVPT. CORPN.	838	959	964
156	NATIONAL MINORITIES DEVP. & FINANCE CORPORATION	2305	3439	2909
157	NATIONAL SAFAI KARAMCHARIS FINANCE & DEVPT. CORPN	1139	886	670

S. No.	Cognate Group / CPSE	2015-16	2014-15	2013-14
158	NATIONAL SCHEDULED CASTES FINANCE & DEVP. CORPN.	4405	3614	3007
159	NATIONAL SCHEDULED TRIBES FINANCE & DEVP. CORPN.	2168	2209	1838
160	PFC GREEN ENERGY LTD.	2260	1891	1326
161	POWER FINANCE CORPORATION LTD.	611348	595933	541775
162	RURAL ELECTRIFICATION CORPN. LTD.	562766	525987	468370
SUB TOTAL :		1463253	1416286	1281709
	TELECOMMUNICATION SERVICES			
163	MILLENNIUM TELECOM LTD.	29	13	-17
164	RAILTEL CORPORATION INDIA LTD.	10383	12094	13793
165	RAILTEL ENTERPRISES LTD.	75	13	0
SUB TOTAL :		10487	12120	13776
GRAND TOTAL :		14452303	12134397	12646932

STATEMENT - 4
NET LOSS (-) OF LOSS INCURRING CPSEs (COGNATE GROUP WISE)

(₹ in Lakhs)

Sl. No.	Cognate Group / CPSE	2015-16	2014-15	2013-14
	AGRO BASED INDUSTRIES			
1	ANDAMAN & NICOBAR ISL. FOREST & PLANT.DEV.CORP.LTD	-4970	-4509	-4020
2	CREDA HPCL BIOFUEL LTD.	-715	-507	-86
3	HPCL BIOFUELS LTD.	-4977	-8437	-11588
4	INDIAN OIL-CREDA BIOFUELS LTD.	-19	-1376	-346
	SUB TOTAL :	-10681	-14829	-16040
	CRUDE OIL			
5	BHARAT PETRO RESOURCES LTD.	-5449	-3429	-16617
6	ONGC VIDESH LTD.	-209355	190422	444532
7	PRIZE PETROLEUM COMPANY LTD.	-4887	208	-2281
	SUB TOTAL :	-219691	187201	425634
	OTHER MINERALS & METALS			
8	INDIAN RARE EARTHS LTD.	-10451	67	4678
9	J & K MINERAL DEVELOPMENT CORPN. LTD.	-165	-80	-74
10	KIOCL LTD.	-7766	3082	3994
11	THE BISRA STONE LIME COMPANY LTD.	-1617	-2727	-1876
	SUB TOTAL :	-19999	342	6722
	STEEL			
12	RASHTRIYA ISPAT NIGAM LTD.	-142064	6238	36645
13	STEEL AUTHORITY OF INDIA LTD.	-413726	209268	261648
	SUB TOTAL :	-555790	215506	298293
	FERTILIZERS			
14	FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.	-45219	-39991	-26495
15	MADRAS FERTILIZERS LTD.	-18954	-13469	10004
	SUB TOTAL :	-64173	-53460	-16491
	CHEMICALS & PHARMACEUTICALS			
16	BENGAL CHEMICALS & PHARMACEUTICALS LTD.	-913	-1732	-3655
17	BHARAT IMMUNOLOGICALS & BIOLOGICALS CORP. LTD.	-621	155	502
18	BRAHAMPUTRA CRACKERS & POLYMER LTD.	-27023	0	0
19	HINDUSTAN ANTIBIOTICS LTD.	-7718	-7055	-8423
20	HINDUSTAN FLUOROCARBONS LIMITED	-1111	-377	-2482
21	HINDUSTAN ORGANIC CHEMICALS LTD.	-17391	-21549	-17685
22	HLL BIOTECH LTD.	-63	-7	0
23	IDPL (TAMILNADU) LTD.	-73	112	-234
24	INDIAN DRUGS & PHARMACEUTICALS LTD.	-16608	-16721	-17463
25	INDIAN MEDICINES & PHARMACEUTICAL CORPN. LTD.	-332	-14	241
26	ONGC MANGALORE PETROCHEMICALS LTD.	-87535	0	0
27	RAJASTHAN DRUGS & PHARMACEUTICALS LTD.	-599	-1976	-1940
	SUB TOTAL :	-159987	-49164	-51139
	HEAVY ENGINEERING			
28	BHARAT HEAVY ELECTRICALS LTD.	-91342	141929	346078
29	BHARAT WAGON & ENGG. CO. LTD.	-1526	-1568	-667
30	BHEL ELECTRICAL MACHINES LTD.	-298	-396	-106
31	BURN STANDARD COMPANY LTD.	-2837	-2466	-828
32	HEAVY ENGINEERING CORPN. LTD.	-14477	-24169	29931
33	TUNGABHADRA STEEL PRODUCTS LTD.	-2887	-2887	-3191
	SUB TOTAL :	-113367	110443	371217
	MEDIUM & LIGHT ENGINEERING			
34	BHARAT PUMPS & COMPRESSORS LTD.	-7506	-5504	-524
35	HINDUSTAN CABLES LTD.	-99412	-93299	-78188
36	HMT BEARINGS LTD.	-1777	-1777	-1598
37	HMT CHINAR WATCHES LTD.	-4905	-4905	-5116
38	HMT LTD.	-2474	-9657	8721
39	HMT MACHINE TOOLS LTD.	-12164	-13494	-5266
40	HMT WATCHES LTD.	-25920	-25920	-23307
41	INSTRUMENTATION LTD.	-17050	-14154	-6861
42	RICHARDSON & CRUDDAS(1972) LTD.	-1006	-365	-383
	SUB TOTAL :	-172214	-169075	-112522
	TRANSPORTATION EQUIPMENT			
43	HOOGHLY DOCK AND PORT ENGINEERS LTD.	-1980	248	10096

	SUB TOTAL :	-1980	248	10096
	CONSUMER GOODS			
44	HINDUSTAN PAPER CORPORATION LTD.	-37014	-33129	-11850
45	HINDUSTAN PHOTO FILMS MANUFACTURING CO. LTD.	-252791	-216436	-182042
46	HINDUSTAN SALTS LTD.	-113	-495	11
47	NAGALAND PULP & PAPER COMPANY LTD.	-1739	-1538	-1473
48	NEPA LTD.	-7012	-4871	30886
49	SAMBHAR SALTS LTD.	-890	-983	44
	SUB TOTAL :	-299559	-257452	-164424
	TEXTILES			
50	BIRDS JUTE & EXPORTS LTD.	-464	-585	-265
51	BRITISH INDIA CORPORATION LTD.	-9724	-9494	-9261
	SUB TOTAL :	-10188	-10079	-9526
	POWER GENERATION			
52	KANTI BIJLEE UTPADAN NIGAM LTD.	-5820	1724	-54
53	NLC TAMIL NADU POWER LTD.	-16003	0	0
	SUB TOTAL :	-21823	1724	-54
	TRADING & MARKETING			
54	HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	-1076	340	169
55	NORTH EASTERN HANDICRAFTS & HANDLOOM DEV.CORPN. LTD.	-196	-440	-232
56	NORTH EASTERN REGIONAL AGRI. MARKETING CORP.LTD.	-589	-589	-444
57	P E C LTD.	-114202	-20854	71
58	STCL LTD.	-48007	-41259	-35252
	SUB TOTAL :	-164070	-62802	-35688
	TRANSPORT SERVICES			
59	AIR INDIA ENGINEERING SERVICES LTD.	-40710	-24257	0
60	AIR INDIA LTD.	-383678	-585991	-627960
61	AIRLINE ALLIED SERVICES LTD.	-19875	-18392	-22122
62	CENTRAL INLAND WATER TRANSPORT CORPN. LTD.	-289	887	9545
63	FRESH & HEALTHY ENTERPRISES LTD.	-2603	-1447	-3916
	SUB TOTAL :	-447155	-629200	-644453
	CONTRACT & CONSTRUCTION SERVICES			
64	PROJECTS & DEVELOPMENT INDIA LTD.	-892	-586	132
65	TCIL BINA TOLL ROAD LTD.	-1043	-942	0
	SUB TOTAL :	-1935	-1528	132
	INDUSTRIAL DEVELOPMENT & TECH.CONSULTANCY SERVICES			
66	BROADCAST ENGG. CONSULTANTS INDIA LTD.	-622	-139	12
67	MECON LTD.	-16241	2027	4948
68	RITES INFRASTRUCTURE SERVICES LTD.	-41	10	5
	SUB TOTAL :	-16904	1898	4965
	TOURIST SERVICES			
69	ASSAM ASHOK HOTEL CORPN. LTD.	-155	-119	35
70	HOTEL CORPN. OF INDIA LTD.	-5910	-5046	-4047
71	MADHYA PRADESH ASHOK HOTEL CORPN. LTD.	-35	5	73
72	PONDICHERRY ASHOK HOTEL CORPN. LTD.	-21	-31	-33
73	RANCHI ASHOK BIHAR HOTEL CORPN. LTD.	-168	-107	-82
74	UTKAL ASHOK HOTEL CORPN. LTD.	-197	-70	-59
	SUB TOTAL :	-6486	-5368	-4113
	FINANCIAL SERVICES			
75	INDIAN VACCINE CORP. LTD.	-208	-164	-165
	SUB TOTAL :	-208	-164	-165
	TELECOMMUNICATION SERVICES			
76	BHARAT BROADBAND NETWORK LTD.	-843	-29	178
77	BHARAT SANCHAR NIGAM LTD.	-387992	-823409	-701976
78	MAHANAGAR TELEPHONE NIGAM LTD.	-200574	-289339	782513
	SUB TOTAL :	-589409	-1112777	80715
	GRAND TOTAL :	-2875619	-1848536	143159

STATEMENT - 5
CASH LOSS (-) OF CPSEs DURING 2015-16

(₹ in Lakhs)

Sl.No.	Cognate Group / CPSE	2015-16	2014-15	2013-14
	AGRO BASED INDUSTRIES			
1	ANDAMAN & NICOBAR ISL. FOREST & PLANT.DEV.CORP.LTD	-4947	-4477	-3996
2	CREDA HPCL BIOFUEL LTD.	-713	-503	-83
3	HPCL BIOFUELS LTD.	-2179	-5598	-8419
4	INDIAN OIL-CREDA BIOFUELS LTD.	-19	-1376	-345
	SUB TOTAL :	-7858	-11954	-12843
	CRUDE OIL			
5	BHARAT PETRO RESOURCES LTD.	-5405	-3342	-16482
6	PRIZE PETROLEUM COMPANY LTD.	-4869	242	-1508
	SUB TOTAL :	-10274	-3100	-17990
	OTHER MINERALS & METALS			
7	INDIAN RARE EARTHS LTD.	-7461	2220	6596
8	J & K MINERAL DEVELOPMENT CORPN. LTD.	-141	-56	-50
9	KIOCL LTD.	-5466	6291	8226
10	THE BISRA STONE LIME COMPANY LTD.	-859	-2684	-1794
	SUB TOTAL :	-13927	5771	12978
	STEEL			
11	RASHTRIYA ISPAT NIGAM LTD.	-107383	33301	63793
12	STEEL AUTHORITY OF INDIA LTD.	-203772	386596	433317
	SUB TOTAL :	-311155	419897	497110
	FERTILIZERS			
13	FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.	-43406	-37971	-21969
14	MADRAS FERTILIZERS LTD.	-17139	-11708	14245
	SUB TOTAL :	-60545	-49679	-7724
	CHEMICALS & PHARMACEUTICALS			
15	BENGAL CHEMICALS & PHARMACEUTICALS LTD.	-518	-1371	-3321
16	BHARAT IMMUNOLOGICALS & BIOLOGICALS CORP. LTD.	-556	246	628
17	BRAHAMPUTRA CRACKERS & POLYMER LTD.	-18652	0	0
18	HINDUSTAN ANTIBIOTICS LTD.	-7404	-6644	-7946
19	HINDUSTAN FLUOROCARBONS LIMITED	-974	-267	-2367
20	HINDUSTAN ORGANIC CHEMICALS LTD.	-14941	-20655	-15843
21	HLL BIOTECH LTD.	-24	40	0
22	IDPL (TAMILNADU) LTD.	-50	138	-205
23	INDIAN DRUGS & PHARMACEUTICALS LTD.	-16495	-16586	-17337
24	INDIAN MEDICINES & PHARMACEUTICAL CORPN. LTD.	-277	57	314
25	ONGC MANGALORE PETROCHEMICALS LTD.	-56661	0	0
26	RAJASTHAN DRUGS & PHARMACEUTICALS LTD.	-491	-1820	-1840
	SUB TOTAL :	-117043	-46862	-47917
	HEAVY ENGINEERING			
27	BHARAT WAGON & ENGG. CO. LTD.	-1368	-1500	-604
28	BHEL ELECTRICAL MACHINES LTD.	-202	-294	-12
29	BURN STANDARD COMPANY LTD.	-2585	-2072	-313
30	HEAVY ENGINEERING CORPN. LTD.	-13771	-23160	30585
31	TUNGBHADRA STEEL PRODUCTS LTD.	-2849	-2849	-3136
	SUB TOTAL :	-20775	-29875	26520
	MEDIUM & LIGHT ENGINEERING			
32	BHARAT PUMPS & COMPRESSORS LTD.	-6991	-4799	-39
33	HINDUSTAN CABLES LTD.	-98938	-92652	-77669
34	HMT BEARINGS LTD.	-1761	-1761	-1583
35	HMT CHINAR WATCHES LTD.	-4891	-4891	-5105
36	HMT LTD.	-2217	-9386	9061
37	HMT MACHINE TOOLS LTD.	-11344	-12625	-4369
38	HMT WATCHES LTD.	-25867	-25867	-23264
39	INSTRUMENTATION LTD.	-16563	-13658	-6391
40	RICHARDSON & CRUDDAS(1972) LTD.	-925	-114	-317
	SUB TOTAL :	-169497	-165753	-109676
	TRANSPORTATION EQUIPMENT			
41	HOOGHLY DOCK AND PORT ENGINEERS LTD.	-1966	299	10126

Sl.No.	Cognate Group / CPSE	2015-16	2014-15	2013-14
	SUB TOTAL :	-1966	299	10126
	CONSUMER GOODS			
42	HINDUSTAN PAPER CORPORATION LTD.	-35955	-29012	-9968
43	HINDUSTAN PHOTO FILMS MANUFACTURING CO. LTD.	-249650	-213295	-178901
44	HINDUSTAN SALTS LTD.	-68	-420	62
45	NAGALAND PULP & PAPER COMPANY LTD.	-1714	-1343	-1456
46	NEPA LTD.	-6912	-4777	30993
47	SAMBHAR SALTS LTD.	-572	-733	135
	SUB TOTAL :	-294871	-249580	-159135
	TEXTILES			
48	BIRDS JUTE & EXPORTS LTD.	-462	-581	-264
49	BRITISH INDIA CORPORATION LTD.	-9712	-9415	-9225
	SUB TOTAL :	-10174	-9996	-9489
	POWER GENERATION			
50	KANTI BIJLEE UTPADAN NIGAM LTD.	-665	4815	2390
	SUB TOTAL :	-665	4815	2390
	TRADING & MARKETING			
51	HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	-977	447	236
52	NORTH EASTERN HANDICRAFTS & HANDLOOM DEV.CORPN. LTD.	-181	-426	-223
53	NORTH EASTERN REGIONAL AGRI. MARKETING CORP.LTD.	-573	-573	-426
54	P E C LTD.	-114171	-20820	107
55	STCL LTD.	-47970	-41200	-35161
	SUB TOTAL :	-163872	-62572	-35467
	TRANSPORT SERVICES			
56	AIR INDIA ENGINEERING SERVICES LTD.	-39045	-22162	0
57	AIR INDIA LTD.	-196900	-393917	-438403
58	AIRLINE ALLIED SERVICES LTD.	-19866	-18367	-22089
59	CENTRAL INLAND WATER TRANSPORT CORPN. LTD.	-204	1131	9841
60	FRESH & HEALTHY ENTERPRISES LTD.	-2066	-911	-3537
	SUB TOTAL :	-258081	-434226	-454188
	CONTRACT & CONSTRUCTION SERVICES			
61	PROJECTS & DEVELOPMENT INDIA LTD.	-614	-227	403
62	TCIL BINA TOLL ROAD LTD.	-861	-773	0
	SUB TOTAL :	-1475	-1000	403
	INDUSTRIAL DEVELOPMENT & TECH.CONSULTANCY SERVICES			
63	BROADCAST ENGG. CONSULTANTS INDIA LTD.	-431	99	144
64	MECON LTD.	-15350	3044	5456
65	MITES INFRASTRUCTURE SERVICES LTD.	-27	12	5
	SUB TOTAL :	-15808	3155	5605
	TOURIST SERVICES			
66	ASSAM ASHOK HOTEL CORPN. LTD.	-143	-102	49
67	HOTEL CORPN. OF INDIA LTD.	-5670	-4501	-3863
68	MADHYA PRADESH ASHOK HOTEL CORPN. LTD.	-2	44	96
69	RANCHI ASHOK BIHAR HOTEL CORPN. LTD.	-161	-100	-76
70	UTKAL ASHOK HOTEL CORPN. LTD.	-195	-68	-57
	SUB TOTAL :	-6171	-4727	-3851
	FINANCIAL SERVICES			
71	INDIAN VACCINE CORP. LTD.	-165	-117	-69
	SUB TOTAL :	-165	-117	-69
	TELECOMMUNICATION SERVICES			
72	BHARAT BROADBAND NETWORK LTD.	-273	336	374
73	MAHANAGAR TELEPHONE NIGAM LTD.	-88473	-176242	899087
	SUB TOTAL :	-88746	-175906	899461
	GRAND TOTAL :	-1553068	-811410	596244

STATEMENT - 6

CPSE WISE NET PROFIT & LOSS (-) of 'TAKEN OVER' SICK CPSEs

(₹ in lakh)

Sl. No.	CPSE	Net Profit / Loss		
		2015-16	2014-15	2013-14
1	ANDREW YULE & COMPANY LTD.	835	1296	2229
2	BALMER LAWRIE & CO. LTD.	16320	14744	15667
3	BENGAL CHEMICALS & PHARMACEUTICALS LTD.	-913	-1732	-3655
4	BHARAT WAGON & ENGG. CO. LTD.	-1526	-1568	-667
5	BIRDS JUTE & EXPORTS LTD.	-464	-585	-265
6	BRAITHWAITE & CO. LTD.	64	-4461	1043
7	BRIDGE & ROOF CO.(INDIA) LTD.	265	1200	1061
8	BRITISH INDIA CORPORATION LTD.	-9724	-9494	-9261
9	BURN STANDARD COMPANY LTD.	-2837	-2466	-828
10	CENTRAL INLAND WATER TRANSPORT CORPN. LTD.	-289	887	9545
11	HOOGLHY DOCK AND PORT ENGINEERS LTD.	-1980	248	10096
12	HOOGLHY PRINTING COMPANY LTD.	13	7	10
13	NATIONAL TEXTILE CORPN. LTD.	1648	-31625	-17571
14	RICHARDSON & CRUDDAS(1972) LTD.	-1006	-365	-383
	TOTAL :	406	-33914	7021

STATEMENT - 7

INVESTMENT (FINANCIAL) IN CENTRAL GOVERNMENT ENTERPRISES UNDER DIFFERENT MINISTRIES/DEPTTS. AS ON 31.3.2016

(Statutory Corporations and Government Companies Under Direct Central Government Management)

(₹ in Lakhs)

Sl. No.	Ministry / Deptt. / CPSE	Paid-up Capital	Share Application Money	Long term Loans	Money Received against Share Warrants	Total
MINISTRY OF AGRICULTURE AND FARMERS WELFARE						
D/O AGRICULTURE COOPERATION AND FARMERS WELFARE						
1	NATIONAL SEEDS CORPN. LTD.	5732	0	60	0	5792
SUB TOTAL :		5732	0	60	0	5792
MINISTRY OF AGRICULTURE AND FARMERS WELFARE						
D/O OF AGRICULTURE RESEARCH AND EDUCATION						
2	AGRINNOVATE INDIA LTD.	5000	0	0	0	5000
SUB TOTAL :		5000	0	0	0	5000
MINISTRY OF AYUSH						
3	INDIAN MEDICINES & PHARMACEUTICAL CORPN. LTD.	4928	0	0	0	4928
SUB TOTAL :		4928	0	0	0	4928
MINISTRY OF CHEMICALS & FERTILIZERS						
D/O CHEMICALS & PETROCHEMICALS						
4	BRAHMAPUTRA CRACKERS & POLYMER LTD.	117371	0	281343	0	398714
5	HINDUSTAN FLUOROCARBONS LIMITED	1961	0	1028	0	2989
6	HINDUSTAN INSECTICIDES LTD.	9133	0	982	0	10115
7	HINDUSTAN ORGANIC CHEMICALS LTD.	33727	0	28327	0	62054
SUB TOTAL :		162192	0	311680	0	473872
MINISTRY OF CHEMICALS & FERTILIZERS						
D/O FERTILIZER						
8	BRAHMAPUTRA VALLEY FERTILIZER CORPN. LTD.	36583	0	57275	0	93858
9	FCI ARAVALI GYPSUM & MINERALS (INDIA) LTD.	733	0	0	0	733
10	FERTILIZER CORPN. OF INDIA LTD.	75092	0	0	0	75092
11	FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.	64707	0	162713	0	227420
12	HINDUSTAN FERTILIZER CORPN. LTD.	68654	0	1176	0	69830
13	MADRAS FERTILIZERS LTD.	16214	0	16610	0	32824
14	NATIONAL FERTILIZERS LTD.	49058	0	98506	0	147564
15	PROJECTS & DEVELOPMENT INDIA LTD.	1730	0	0	0	1730
16	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	55169	0	15288	0	70457
SUB TOTAL :		367940	0	351568	0	719508
MINISTRY OF CHEMICALS & FERTILIZERS						
D/O PHARMACEUTICALS						
17	BENGAL CHEMICALS & PHARMACEUTICALS LTD.	7696	0	19858	0	27554
18	HINDUSTAN ANTIBIOTICS LTD.	7172	0	29751	0	36923
19	IDPL (TAMILNADU) LTD.	400	0	4465	0	4865
20	INDIAN DRUGS & PHARMACEUTICALS LTD.	11688	0	526566	0	538254
21	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	1349	0	310	0	1659
22	ORISSA DRUGS & CHEMICALS LTD.	132	17	1646	0	1795
23	RAJASTHAN DRUGS & PHARMACEUTICALS LTD.	499	0	0	0	499
SUB TOTAL :		28936	17	582596	0	611549
MINISTRY OF CIVIL AVIATION						

Sl. No.	Ministry / Deptt. / CPSE	Paid-up Capital	Share Application Money	Long term Loans	Money Received against Share Warrants	Total
24	AIR INDIA AIR TRANSPORT SERVICES LTD.	13842	0	0	0	13842
25	AIR INDIA CHARTERS LTD.	78000	0	123237	0	201237
26	AIR INDIA ENGINEERING SERVICES LTD.	16667	0	1	0	16668
27	AIR INDIA LTD.	2149600	292900	3580638	0	6023138
28	AIRLINE ALLIED SERVICES LTD.	40225	0	0	0	40225
29	AIRPORTS AUTHORITY OF INDIA	65656	0	54521	0	120177
30	HOTEL CORPN. OF INDIA LTD.	6260	7500	14363	0	28123
31	PAWAN HANS LTD.	24562	0	50163	0	74725
SUB TOTAL :		2394812	300400	3822923	0	6518135
MINISTRY OF COAL						
32	BHARAT COKING COAL LTD.	465700	0	0	0	465700
33	CENTRAL COALFIELDS LTD.	94000	0	0	0	94000
34	CENTRAL MINE PLANNING & DESIGN INSTITUTE LTD.	1904	0	0	0	1904
35	CHHATTISGARH EAST RAILWAYS LTD.	13906	0	24050	0	37956
36	COAL INDIA LTD.	631636	0	0	0	631636
37	EASTERN COALFIELDS LTD.	426942	0	16800	0	443742
38	MAHANADI BASIN POWER LTD.	5	0	1610	0	1615
39	MAHANADI COALFIELDLS LTD.	18640	0	721	0	19361
40	MJSJ COAL LTD.	9510	0	0	0	9510
41	MNH SHAKTI LTD.	8510	0	0	0	8510
42	NEYVELI UTTAR PRADESH POWER LTD	37240	26068	0	0	63308
43	NLC INDIA LTD.	167771	0	316565	0	484336
44	NLC TAMIL NADU POWER LTD.	196227	0	388446	0	584673
45	NORTHERN COALFIELDS LTD.	17767	0	0	0	17767
46	SOUTH EASTERN COALFIELDS LTD.	35970	0	0	0	35970
47	WESTERN COALFIELDS LTD.	29710	0	0	0	29710
SUB TOTAL :		2155438	26068	748192	0	2929698
MINISTRY OF COMMERCE & INDUSTRY						
D/O COMMERCE						
48	E. C. G. C. LTD.	130000	0	0	0	130000
49	INDIA TRADE PROMOTION ORGANISATION	25	0	0	0	25
50	KARNATAKA TRADE PROMOTION ORGANISATION	2000	0	818	0	2818
51	M M T C LTD.	10000	0	0	0	10000
52	P E C LTD.	6000	0	0	0	6000
53	STATE TRADING CORPN. OF INDIA LTD.	6000	0	0	0	6000
54	STCL LTD.	150	0	0	0	150
55	TAMIL NADU TRADE PROMOTION ORGANISATION	1	0	527	0	528
SUB TOTAL :		154176	0	1345	0	155521
MINISTRY OF COMMUNICATIONS&INFORMATION TECHNOLOGY						
D/O ELECTRONICS AND INFORMATION TECHNOLOGY						
56	NATIONAL INFORMATICS CENTRE SERVICES INCORPORATED	200	0	0	0	200
SUB TOTAL :		200	0	0	0	200
MINISTRY OF COMMUNICATIONS&INFORMATION TECHNOLOGY						
D/O TELECOMMUNICATIONS						
57	BHARAT BROADBAND NETWORK LTD.	6000	0	0	0	6000
58	BHARAT SANCHAR NIGAM LTD.	1250000	0	498974	0	1748974
59	I T I LTD.	58800	19200	30000	0	108000

Sl. No.	Ministry / Deptt. / CPSE	Paid-up Capital	Share Application Money	Long term Loans	Money Received against Share Warrants	Total
60	MAHANAGAR TELEPHONE NIGAM LTD.	63000	0	905897	0	968897
61	MILLENNIUM TELECOM LTD.	288	0	0	0	288
62	TCIL BINA TOLL ROAD LTD.	1957	0	11365	0	13322
63	TCIL LAKHNADONE TOLL ROAD LTD.	2311	0	5288	0	7599
64	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	5920	0	9500	0	15420
SUB TOTAL :		1388276	19200	1461024	0	2868500
MINISTRY OF COMSUMER AFFAIRS,FOOD & PUBLIC DISTRIBUTION						
D/O FOOD & PUBLIC DISTRIBUTION						
65	CENTRAL RAILSIDE WAREHOUSE CO. LTD.	4056	0	4741	0	8797
66	CENTRAL WAREHOUSING CORPN.	6802	0	0	0	6802
67	FOOD CORPN. OF INDIA	283049	0	1300000	0	1583049
SUB TOTAL :		293907	0	1304741	0	1598648
MINISTRY OF DEFENCE						
D/O DEFENCE PRODUCTION						
68	BEL OPTRONICS DEVICES LTD.	3784	0	0	0	3784
69	BEL-THALES SYSTEMS LTD.	2240	0	0	0	2240
70	BEML LTD.	4177	0	36266	0	40443
71	BHARAT DYNAMICS LTD.	9775	0	0	0	9775
72	BHARAT ELECTRONICS LTD.	24000	0	0	0	24000
73	GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.	12384	0	2195	0	14579
74	GOA SHIPYARD LTD.	2910	0	2102	0	5012
75	HINDUSTAN AERONAUTICS LTD.	36150	0	402	0	36552
76	HINDUSTAN SHIPYARD LTD.	30199	0	37221	0	67420
77	MAZAGON DOCK SHIPBUILDERS LTD.	19920	0	8109	0	28029
78	MISHRA DHATU NIGAM LTD.	18734	0	977	0	19711
79	VIGNYAN INDUSTRIES LTD.	279	0	0	0	279
SUB TOTAL :		164552	0	87272	0	251824
MINISTRY OF DEVELOPMENT OF NORTH EASTERN REGION						
80	NORTH EASTERN HANDICRAFTS & HANDLOOM DEV.CORPN. LTD.	850	0	800	0	1650
81	NORTH EASTERN REGIONAL AGRI. MARKETING CORP.LTD.	762	0	2006	0	2768
SUB TOTAL :		1612	0	2806	0	4418
MINISTRY OF ENVIRONMENT, FORESTS CLIMATE CHANGE						
82	ANDAMAN & NICOBAR ISL. FOREST & PLANT.DEV.CORP.LTD	359	0	31541	0	31900
SUB TOTAL :		359	0	31541	0	31900
MINISTRY OF FINANCE						
D/O ECONOMIC AFFAIRS						
83	SECURITY PRINTING & MINTING CORPN. INDIA LTD.	118249	0	118244	0	236493
SUB TOTAL :		118249	0	118244	0	236493
MINISTRY OF FINANCE						
D/O FINANCIAL SERVICES						
84	IIFCL ASSET MANAGEMENT COMPANY LTD.	1250	0	0	0	1250
85	IIFCL PROJECTS LTD.	50	0	0	0	50
86	INDIA INFRASTRUCTURE FINANCE CO. LTD.	390000	0	3046109	0	3436109
SUB TOTAL :		391300	0	3046109	0	3437409
MINISTRY OF HEALTH & FAMILY WELFARE						
DEPARTMENT OF HEALTH AND FAMILY WELFARE						

Sl. No.	Ministry / Deptt. / CPSE	Paid-up Capital	Share Application Money	Long term Loans	Money Received against Share Warrants	Total
87	GOA ANTIBIOTICS & PHARMACEUTICALS LTD.	1902	0	512	0	2414
88	HLL BIOTECH LTD.	27489	0	0	0	27489
89	HLL INFRA TECH SERVICES LTD.	5	0	0	0	5
90	HLL LIFECARE LTD.	29042	0	4095	0	33137
91	HSCC (INDIA) LTD.	240	0	0	0	240
SUB TOTAL :		58678	0	4607	0	63285
MINISTRY OF HEAVY INDUSTRIES & PUBLIC ENTERPRISES						
D/O HEAVY INDUSTRIES						
92	ANDREW YULE & COMPANY LTD.	6673	2857	2001	0	11531
93	BHARAT HEAVY ELECTRICALS LTD.	48952	0	12629	0	61581
94	BHARAT PUMPS & COMPRESSORS LTD.	5353	0	0	0	5353
95	BHEL ELECTRICAL MACHINES LTD.	1050	0	0	0	1050
96	BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LTD.	11761	325	715	0	12801
97	BRIDGE & ROOF CO.(INDIA) LTD.	5499	0	0	0	5499
98	CEMENT CORPN. OF INDIA LTD.	81141	0	18790	0	99931
99	ENGINEERING PROJECTS (INDIA) LTD.	3542	0	0	0	3542
100	HEAVY ENGINEERING CORPN. LTD.	60608	0	2873	0	63481
101	HINDUSTAN CABLES LTD.	41936	0	682320	0	724256
102	HINDUSTAN NEWSPRINT LTD.	10000	0	694	0	10694
103	HINDUSTAN PAPER CORPORATION LTD.	81730	1800	26353	0	109883
104	HINDUSTAN PHOTO FILMS MANUFACTURING CO. LTD.	20687	0	23752	0	44439
105	HINDUSTAN SALTS LTD.	3788	418	90	0	4296
106	HMT (INTERNATIONAL) LTD.	72	0	0	0	72
107	HMT BEARINGS LTD.	3771	0	6781	0	10552
108	HMT CHINAR WATCHES LTD.	166	0	25000	0	25166
109	HMT LTD.	124095	0	6977	0	131072
110	HMT MACHINE TOOLS LTD.	71960	0	16797	0	88757
111	HMT WATCHES LTD.	649	0	75414	0	76063
112	HOOGHLY PRINTING COMPANY LTD.	103	0	6	0	109
113	INSTRUMENTATION LTD.	2405	12201	13221	0	27827
114	JAGDISHPUR PAPER MILLS LTD.	5	1800	0	0	1805
115	NAGALAND PULP & PAPER COMPANY LTD.	6662	10350	1509	0	18521
116	NEPA LTD.	50298	8125	4693	0	63116
117	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	1225	0	0	0	1225
118	RICHARDSON & CRUDDAS(1972) LTD.	5484	0	0	0	5484
119	SAMBHAR SALTS LTD.	100	0	4334	0	4434
120	SCOOTERS INDIA LTD.	8538	0	1789	0	10327
121	TUNGABHADRA STEEL PRODUCTS LTD.	844	0	531	0	1375
122	YULE ELECTRICAL LTD.	5	0	5	0	10
123	YULE ENGINEERING COMPANY LTD.	5	0	12	0	17
SUB TOTAL :		659107	37876	927286	0	1624269
MINISTRY OF HOME AFFAIRS						
124	DELHI POLICE HOUSING CORPORATION LTD.	500	0	0	0	500
SUB TOTAL :		500	0	0	0	500
MINISTRY OF HOUSING & URBAN POVERTY ALLEVIATION						
125	HINDUSTAN PREFAB LTD.	13477	0	0	0	13477
126	HOUSING & URBAN DEV. CORPN. LTD.	200190	0	2134202	0	2334392
SUB TOTAL :		213667	0	2134202	0	2347869
MINISTRY OF HUMAN RESOURCE DEVELOPMENT						

Sl. No.	Ministry / Deptt. / CPSE	Paid-up Capital	Share Application Money	Long term Loans	Money Received against Share Warrants	Total
D/O SECONDARY EDUCATION & HIGHER EDUCATION						
127	EdCIL(India) Ltd.	200	0	0	0	200
SUB TOTAL :		200	0	0	0	200
MINISTRY OF INFORMATION & BROADCASTING						
128	BROADCAST ENGG. CONSULTANTS INDIA LTD.	137	0	0	0	137
129	NATIONAL FILM DEV. CORPN. LTD.	4540	0	141	0	4681
SUB TOTAL :		4677	0	141	0	4818
MINISTRY OF MICRO SMALL & MEDIUM ENTERPRISES						
130	NATIONAL SMALL INDUSTRIES CORPN. LTD.	53299	0	5566	0	58865
SUB TOTAL :		53299	0	5566	0	58865
MINISTRY OF MINES						
131	HINDUSTAN COPPER LTD.	46261	0	20715	0	66976
132	MINERAL EXPLORATION CORPN. LTD.	11955	0	0	0	11955
133	NATIONAL ALUMINIUM COMPANY LTD.	128862	0	0	0	128862
SUB TOTAL :		187078	0	20715	0	207793
MINISTRY OF MINORITIES AFFAIRS						
134	NATIONAL MINORITIES DEVP. & FINANCE CORPORATION	136545	175	0	0	136720
SUB TOTAL :		136545	175	0	0	136720
MINISTRY OF NEW AND RENEWABLE ENERGY						
135	INDIAN RENEWABLE ENERGY DEVT.AGENCY LTD.	78460	0	961591	0	1040051
136	SOLAR ENERGY CORPORATION OF INDIA	20400	0	2463	0	22863
SUB TOTAL :		98860	0	964054	0	1062914
MINISTRY OF PETROLEUM & NATURAL GAS						
137	BALMER LAWRIE & CO. LTD.	2849	0	0	0	2849
138	BALMER LAWRIE INVESTMENTS LTD.	2220	0	0	0	2220
139	BHARAT PETRO RESOURCES JPDA	6000	0	3841	0	9841
140	BHARAT PETRO RESOURCES LTD.	292000	0	65000	0	357000
141	BHARAT PETROLEUM CORPN. LTD.	72308	0	1368569	0	1440877
142	BPCL-KIAL FUEL PVT. LTD.	600	0	0	0	600
143	CERTIFICATION ENGINEERS INTERNATIONAL LTD.	100	0	0	0	100
144	CHENNAI PETROLEUM CORPORATION LTD.	114900	0	100000	0	214900
145	CREDA HPCL BIOFUEL LTD.	2176	0	0	0	2176
146	ENGINEERS INDIA LTD.	16847	0	0	0	16847
147	GAIL (INDIA) LTD.	126848	0	578128	0	704976
148	GAIL GAS LTD.	40200	3400	12288	0	55888
149	HINDUSTAN PETROLEUM CORPN. LTD.	33901	0	1063348	0	1097249
150	HPCL BIOFUELS LTD.	62517	0	39440	0	101957
151	HPCL RAJASTHAN REFINERY LTD.	5	0	0	0	5
152	INDIAN CATALYST PVT. LTD.	1593	0	0	0	1593
153	INDIAN OIL CORPORATION LTD.	242795	0	2494324	0	2737119
154	INDIAN OIL-CREDA BIOFUELS LTD.	2474	0	0	0	2474
155	MANGALORE REFINERY & PETROCHEMICALS LTD.	175267	0	682042	0	857309
156	NUMALIGARH REFINERY LTD.	73563	0	49750	0	123313
157	OIL & NATURAL GAS CORPORATION	427776	0	0	0	427776

Sl. No.	Ministry / Deptt. / CPSE	Paid-up Capital	Share Application Money	Long term Loans	Money Received against Share Warrants	Total
	LTD.					
158	OIL INDIA INTERNATIONAL LTD.	10000	0	0	0	10000
159	OIL INDIA LTD.	60114	0	919875	0	979989
160	ONGC MANGALORE PETROCHEMICALS LTD.	187763	0	215941	0	403704
161	ONGC VIDESH LTD.	1000000	0	3828145	0	4828145
162	PETRONET CCK LTD.	10000	0	0	0	10000
163	PRIZE PETROLEUM COMPANY LTD.	24500	0	0	0	24500
SUB TOTAL :		2989316	3400	11420691	0	14413407
MINISTRY OF POWER						
164	BAIRA SIUL SARNA TRANSMISSION LTD.	5	0	0	0	5
165	BALLABGARH - GN TRANSMISSION CO. LTD.	5	0	0	0	5
166	BHARTIYA RAIL BIJLEE CO. LTD.	158461	1564	388844	0	548869
167	BIHAR INFRAPOWER LTD.	5	0	1	0	6
168	BIHAR MEGA POWER LTD.	5	0	1600	0	1605
169	BUNDELKHAND SAUR URJA LTD.	100	0	0	0	100
170	CHEYYUR INFRA LTD.	5	0	0	0	5
171	CHHATTISHGARH SURGUJA POWER LTD.	5	0	4825	0	4830
172	COASTAL KARNATAKA POWER LTD.	5	0	161	0	166
173	COASTAL MAHARASHTRA MEGA POWER LTD.	5	0	6159	0	6164
174	COASTAL TAMIL NADU POWER LTD.	5	0	0	0	5
175	DEOGHAR INFRA LTD.	5	0	0	0	5
176	DEOGHAR MEGA POWER LTD.	5	0	644	0	649
177	DINGCHANG TRANSMISSION LTD.	5	0	0	0	5
178	GHOARPALLI INTEGRATED POWER COMPANY LTD.	5	0	1558	0	1563
179	JHARKHAND INFRAPOWER LTD.	5	0	0	0	5
180	KANTI BIJLEE UTPADAN NIGAM LTD.	106151	4775	222098	0	333024
181	KHARGONE TRANSMISSION LTD.	5	0	0	0	5
182	KOHIMA-MARIANI TRANSMISSION LTD.	1	0	0	0	1
183	LOKTAK DOWNSTREAM HYDROELECTRIC CORPORATION LTD.	11769	0	0	0	11769
184	MEDINIPUR-JEERAT TRANSMISSION LTD.	1	0	0	0	1
185	MOHINDER GARH-BHIWANI TRANSMISSION LTD.	5	0	0	0	5
186	NELLORE TRANSMISSION LTD.	5	0	0	0	5
187	NER-II TRANSMISSION LTD.	5	0	0	0	5
188	NHDC LTD.	196258	0	0	0	196258
189	NHPC LTD.	1107067	0	1838528	0	2945595
190	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	345281	0	544432	0	889713
191	NORTH KARANPURA TRANSCO LTD.	5	0	0	0	5
192	NRSS XXXVI TRANSMISSION LTD.	5	0	0	0	5
193	NTPC ELECTRIC SUPPLY COMPANY LTD.	8	0	0	0	8
194	NTPC LTD.	824546	0	8508326	0	9332872
195	NTPC VIDYUT VYAPAR NIGAM LTD.	2000	0	0	0	2000
196	ODISHA INFRAPOWER LTD.	5	0	0	0	5
197	ORISSA INTEGRATED POWER LTD.	5	0	0	0	5
198	PATRATU VIDYUT UTPADAN NIGAM LTD.	10	200	0	0	210
199	PFC CAPITAL ADVISORY SERVICE LTD.	10	0	0	0	10
200	PFC CONSULTING LTD.	5	0	0	0	5
201	PFC GREEN ENERGY LTD.	30000	0	0	0	30000
202	POWER FINANCE CORPORATION LTD.	132004	0	17254970	0	17386974
203	POWER GRID CORPORATION OF INDIA LTD.	523159	0	10023975	0	10547134
204	POWER GRID JABALPUR TRANSMISSION	5	0	234	0	239

Sl. No.	Ministry / Deptt. / CPSE	Paid-up Capital	Share Application Money	Long term Loans	Money Received against Share Warrants	Total
	LTD.					
205	POWER GRID PARLI TRANSMISSION LTD.	5	0	528	0	533
206	POWER GRID SOUTHERN INTERCONNECTOR TRANSMISSION SYSTEM LTD.	5	0	1564	0	1569
207	POWER GRID WARORA TRANSMISSION LTD.	5	0	1217	0	1222
208	POWER SYSTEM OPERATION CORPORATION LTD.	3064	0	0	0	3064
209	POWERGRID KALA AMB TRANSMISSION LTD.	5	0	3031	0	3036
210	POWERGRID NM TRANSMISSION LTD.	2400	0	53551	0	55951
211	POWERGRID UNCHAHAR TRANSMISSION LTD.	5	0	2612	0	2617
212	POWERGRID VIZAG TRANSMISSION LTD.	5473	0	82236	0	87709
213	REC POWER DISTRIBUTION CO. LTD.	5	0	43	0	48
214	REC TRANSMISSION PROJECTS CO. LTD.	5	0	0	0	5
215	RURAL ELECTRIFICATION CORPN. LTD.	98746	0	13878943	0	13977689
216	SAKHIGOPAL INTEGRATED POWER COMPANY LTD.	5	0	1634	0	1639
217	SJVN LTD.	413663	0	246406	0	660069
218	SJVN THERMAL PVT. LTD.	43668	0	0	0	43668
219	SOUTH -CENTRAL EAST DELHI POWER TRANSMISSION LTD.	5	0	0	0	5
220	TANDA TRANSMISSION COMPANY LTD.	5	0	0	0	5
221	TATIYA ANDHRA MEGA POWER LTD.	5	0	0	0	5
222	THDC INDIA LTD.	355888	0	349792	0	705680
SUB TOTAL :		4359903	6539	53417912	0	57784354
MINISTRY OF RAILWAYS						
223	BHARAT WAGON & ENGG. CO. LTD.	907	2445	2418	0	5770
224	BRAITHWAITE & CO. LTD.	2942	0	633	0	3575
225	BURN STANDARD COMPANY LTD.	18463	0	3991	0	22454
226	CONCOR AIR LTD.	3665	0	12500	0	16165
227	CONTAINER CORPORATION OF INDIA LTD.	19497	0	0	0	19497
228	DEDICATED FRIGHT CORRIDOR CORP. OF INDIA LTD.	480267	285560	327218	0	1093045
229	FRESH & HEALTHY ENTERPRISES LTD.	14567	0	0	0	14567
230	HIGH SPEED RAIL CORPORATION OF INDIA LTD.	11	0	0	0	11
231	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	2000	0	0	0	2000
232	INDIAN RAILWAY FINANCE CORPORATION LTD.	452646	200000	7589207	0	8241853
233	INDIAN RAILWAY STATIONS DEVPT. CORPORATION LTD.	4000	0	0	0	4000
234	IRCON INFRASTRUCTURE & SERVICES LTD.	6500	0	5255	0	11755
235	IRCON INTERNATIONAL LTD.	1980	0	0	0	1980
236	IRCON PB TOLLWAY LTD.	9000	0	0	0	9000
237	IRCON SHIVPURI GUNA TOLLWAY LTD.	3300	3700	0	0	7000
238	KOLKATA METRO RAIL CORPORATION LTD.	88550	10000	139360	0	237910
239	KONKAN RAILWAY CORPORATION LTD.	488597	0	140170	0	628767
240	MUMBAI RAILWAY VIKAS CORPORATION LTD.	2500	0	0	0	2500
241	PUNJAB LOGISTIC INFRASTRUCTURE LTD.	13940	31	1000	0	14971
242	RAIL VIKAS NIGAM LTD.	208502	0	212690	0	421192
243	RAILTEL CORPORATION INDIA LTD.	32094	0	54494	0	86588
244	RAILTEL ENTERPRISES LTD.	1000	0	0	0	1000
245	RAILWAY ENERGY MANAGEMENT	5000	0	11054	0	16054

Sl. No.	Ministry / Deptt. / CPSE	Paid-up Capital	Share Application Money	Long term Loans	Money Received against Share Warrants	Total
	COMPANY LTD.					
246	RITES INFRASTRUCTURE SERVICES LTD.	5	0	0	0	5
247	RITES LTD.	10000	0	0	0	10000
248	SIDCUL CONCOR INFRA COMPANY LTD.	10000	0	0	0	10000
	SUB TOTAL :	1879933	501736	8499990	0	10881659
MINISTRY OF ROAD TRANSPORT AND HIGHWAYS						
249	NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPN. LTD.	5	0	0	0	5
	SUB TOTAL :	5	0	0	0	5
MINISTRY OF SCIENCE & TECHNOLOGY						
DEPT. OF BIOTECHNOLOGY						
250	BHARAT IMMUNOLOGICALS & BIOLOGICALS CORP. LTD.	4318	0	0	0	4318
251	BIOTECHNOLOGY INDUSTRY RESEARCH ASSISTANCE COUNCIL	100	0	0	0	100
252	INDIAN VACCINE CORP. LTD.	1879	0	0	0	1879
	SUB TOTAL :	6297	0	0	0	6297
MINISTRY OF SCIENCE & TECHNOLOGY						
DEPT. OF SCIENTIFIC & INDUSTRIAL RESEARCH						
253	CENTRAL ELECTRONICS LTD.	6697	0	1907	0	8604
254	NATIONAL RESEARCH DEVELOPMENT CORPN.	442	0	0	0	442
	SUB TOTAL :	7139	0	1907	0	9046
MINISTRY OF SHIPPING						
255	CENTRAL INLAND WATER TRANSPORT CORPN. LTD.	13048	0	0	0	13048
256	COCHIN SHIPYARD LTD.	11328	0	12300	0	23628
257	DREDGING CORPN. OF INDIA LTD.	2800	0	88921	0	91721
258	HOOGHLY DOCK AND PORT ENGINEERS LTD.	2861	0	2478	0	5339
259	KAMARAJAR PORT LTD.	30000	0	69024	0	99024
260	SETHUSAMUDRAM CORPN. LTD.	74500	0	46	0	74546
261	SHIPPING CORPORATION OF INDIA LTD.	46580	0	459801	0	506381
	SUB TOTAL :	181117	0	632570	0	813687
MINISTRY OF SOCIAL JUSTICE & EMPOWERMENT						
DEPARTMENT OF EMPOWERMENT OF PERSONS WITH DISABILITY						
262	ARTIFICIAL LIMBS MFG. CORPN. OF INDIA	5410	0	0	0	5410
263	NATIONAL BACKWARD CLASSES FINANCE & DEVP.CO.	102400	0	0	0	102400
264	NATIONAL HANDICAPPED FINANCE & DEVPT. CORPN.	31261	297	0	0	31558
265	NATIONAL SAFAI KARAMCHARIS FINANCE & DEVPT. CORPN	54499	0	0	0	54499
266	NATIONAL SCHEDULED CASTES FINANCE & DEVP. CORPN.	99813	8367	0	0	108180
	SUB TOTAL :	293383	8664	0	0	302047
MINISTRY OF STEEL						
267	CHHATTISGARH MEGA STEEL CO. LTD.	5	0	0	0	5
268	EASTERN INVESTMENT LTD.	145	0	0	0	145
269	FERRO SCRAP NIGAM LTD.	200	0	0	0	200
270	HINDUSTAN STEELWORKS COSTN. LTD.	3430	0	0	0	3430
271	J & K MINERAL DEVELOPMENT CORPN.	2974	0	0	0	2974

Sl. No.	Ministry / Deptt. / CPSE	Paid-up Capital	Share Application Money	Long term Loans	Money Received against Share Warrants	Total
	LTD.					
272	JHARKHAND KOLHAN STEEL LTD.	1	0	0	0	1
273	JHARKHAND NATIONAL MINERAL DEVPT. CORPORATION LTD.	1	0	0	0	1
274	KARNATAKA VIJAY NAGAR STEEL LTD.	1	0	0	0	1
275	KIOCL LTD.	63451	0	0	0	63451
276	M S T C LTD.	880	0	0	0	880
277	MECON LTD.	4014	0	0	0	4014
278	MOIL LTD.	16800	0	0	0	16800
279	NMDC Ltd.	39647	0	0	0	39647
280	NMDC POWER LTD.	55	0	0	0	55
281	NMDC STEEL LTD.	1	0	0	0	1
282	NMDC-CMDC LTD.	7026	0	0	0	7026
283	ORISSA MINERAL DEVELOPMENT COMPANY LTD.	60	0	0	0	60
284	RASHTRIYA ISPAT NIGAM LTD.	488985	0	380548	0	869533
285	SAIL REFRACTORY COMPANY LTD.	5	0	0	0	5
286	STEEL AUTHORITY OF INDIA LTD.	413053	0	1598072	0	2011125
287	THE BISRA STONE LIME COMPANY LTD.	8728	0	901	0	9629
SUB TOTAL :		1049462	0	1979521	0	3028983
MINISTRY OF TEXTILES						
288	BIRDS JUTE & EXPORTS LTD.	40	0	2500	0	2540
289	BRITISH INDIA CORPORATION LTD.	3171	0	25753	0	28924
290	CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.	1085	0	80	0	1165
291	COTTON CORPN. OF INDIA LTD.	2500	0	0	0	2500
292	HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	1382	0	0	0	1382
293	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	1900	0	0	0	1900
294	NATIONAL JUTE MANUFACTURES CORPORATION LTD.	5580	0	42955	0	48535
295	NATIONAL TEXTILE CORPN. LTD.	306216	0	0	0	306216
296	THE JUTE CORPN. OF INDIA LTD.	500	0	0	0	500
SUB TOTAL :		322374	0	71288	0	393662
MINISTRY OF TOURISM						
297	ASSAM ASHOK HOTEL CORPN. LTD.	100	0	361	0	461
298	DONYI POLO ASHOK HOTEL LTD.	100	0	0	0	100
299	INDIA TOURISM DEV. CORPN. LTD.	8577	0	0	0	8577
300	KUMARAKUPPA FRONTIER HOTELS LTD.	97	0	0	0	97
301	MADHYA PRADESH ASHOK HOTEL CORPN. LTD.	160	0	0	0	160
302	PONDICHERRY ASHOK HOTEL CORPN. LTD.	160	0	0	0	160
303	PUNJAB ASHOK HOTEL COMPANY LTD.	250	0	0	0	250
304	RANCHI ASHOK BIHAR HOTEL CORPN. LTD.	490	0	0	0	490
305	UTKAL ASHOK HOTEL CORPN. LTD.	480	0	0	0	480
SUB TOTAL :		10414	0	361	0	10775
MINISTRY OF TRIBAL AFFAIRS						
306	NATIONAL SCHEDULED TRIBES FINANCE & DEVP. CORPN.	50910	0	0	0	50910
SUB TOTAL :		50910	0	0	0	50910
MINISTRY OF URBAN DEVELOPMENT						
307	NBCC (INDIA) LTD.	12000	0	0	0	12000
308	NBCC ENGINEERING AND	100	0	0	0	100

Sl. No.	Ministry / Deptt. / CPSE	Paid-up Capital	Share Application Money	Long term Loans	Money Received against Share Warrants	Total
	CONSULTANCY LTD.					
309	NBCC SERVICES LTD.	200	0	0	0	200
	SUB TOTAL :	12300	0	0	0	12300
MINISTRY OF WATER RESOURCES, RIVER DEVELOPMENT & GANGA REJUVENATION						
310	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	9453	0	0	0	9453
311	WAPCOS LTD.	3500	0	0	0	3500
	SUB TOTAL :	12953	0	0	0	12953
DEPT. OF ATOMIC ENERGY						
312	ANUSHAKTI VIDHYUT NIGAM LTD.	10	0	0	0	10
313	BHARATIYA NABHIKIYA VIDYUT NIGAM LTD.	458420	0	100000	0	558420
314	ELECTRONICS CORPN. OF INDIA LTD.	16337	0	0	0	16337
315	INDIAN RARE EARTHS LTD.	8637	0	0	0	8637
316	NPCIL - INDIAN OIL NUCLEAR ENERGY CORPORATION LTD.	100	0	0	0	100
317	NPCIL - NALCO POWER COMPANY LTD.	10	0	0	0	10
318	NUCLEAR POWER CORPN. OF INDIA LTD.	1021724	38900	2300112	0	3360736
319	URANIUM CORPORATION OF INDIA LTD.	156462	2600	0	0	159062
	SUB TOTAL :	1661700	41500	2400112	0	4103312
DEPT. OF SPACE						
320	ANTRIX CORPORATION LTD.	400	0	0	0	400
	SUB TOTAL :	400	0	0	0	400
	GRAND TOTAL :	21887826	945575	94351024	0	117184425

STATEMENT - 8
DETAILS OF PARTICIPATION IN EQUITY OF PUBLIC ENTERPRISES BY DIFFERENT PARTIES AS ON 31.3.2016

(₹ in Lakhs)

Sl.No.	Cognate Group / CPSE	Central Govt.	State Govt.	Holding Company	Foreign Parties	Financial Inst.	Employees	Others(Indian)	Total
	AGRO BASED INDUSTRIES								
1	ANDAMAN & NICOBAR ISL. FOREST & PLANT.DEV.CORP.LTD	359	0	0	0	0	0	0	359
2	CREDA HPCL BIOFUEL LTD.	0	566	1610	0	0	0	0	2176
3	HPCL BIOFUELS LTD.	0	0	62517	0	0	0	0	62517
4	INDIAN OIL-CREDA BIOFUELS LTD.	0	643	1831	0	0	0	0	2474
5	NATIONAL SEEDS CORPN. LTD.	5732	0	0	0	0	0	0	5732
	SUB TOTAL :	6091	1209	65958	0	0	0	0	73258
	COAL								
6	BHARAT COKING COAL LTD.	0	0	465700	0	0	0	0	465700
7	CENTRAL COALFIELDS LTD.	0	0	94000	0	0	0	0	94000
8	COAL INDIA LTD.	503097	0	0	54170	54465	348	19556	631636
9	EASTERN COALFIELDS LTD.	0	0	426942	0	0	0	0	426942
10	MAHANADI COALFIELDLS LTD.	0	0	18640	0	0	0	0	18640
11	NORTHERN COALFIELDS LTD.	0	0	17767	0	0	0	0	17767
12	SOUTH EASTERN COALFIELDS LTD.	0	0	35970	0	0	0	0	35970
13	WESTERN COALFIELDS LTD.	0	0	29710	0	0	0	0	29710
	SUB TOTAL:	503097	0	1088729	54170	54465	348	19556	1720365
	CRUDE OIL								
14	BHARAT PETRO RESOURCES LTD.	0	0	292000	0	0	0	0	292000
15	OIL & NATURAL GAS CORPORATION LTD.	294866	0	0	0	74647	0	58263	427776
16	OIL INDIA LTD.	40662	0	0	109	5271	0	14072	60114
17	ONGC VIDESH LTD.	0	0	1000000	0	0	0	0	1000000
18	PRIZE PETROLEUM COMPANY LTD.	0	0	24500	0	0	0	0	24500
	SUB TOTAL :	335528	0	1316500	109	79918	0	72335	1804390
	OTHER MINERALS & METALS								
19	EASTERN INVESTMENT LTD.	0	23	74	1	1	0	46	145
20	FCI ARAVALI GYPSUM & MINERALS (INDIA) LTD.	733	0	0	0	0	0	0	733
21	HINDUSTAN COPPER LTD.	41611	0	0	0	694	0	3956	46261
22	INDIAN RARE EARTHS LTD.	8637	0	0	0	0	0	0	8637
23	J & K MINERAL DEVELOPMENT CORPN. LTD.	0	0	2851	0	0	0	123	2974
24	KIOCL LTD.	62814	0	0	0	31	0	606	63451
25	MOIL LTD.	12023	776	0	0	1800	80	2121	16800
26	NATIONAL ALUMINIUM COMPANY LTD.	104289	0	0	0	2239	35	22299	128862
27	NMDC Ltd.	31719	0	0	0	6635	1	1292	39647
28	ORISSA MINERAL DEVELOPMENT COMPANY LTD.	0	0	0	1	10	0	49	60
29	THE BISRA STONE LIME COMPANY LTD.	0	0	4388	0	3	0	4337	8728
30	URANIUM CORPORATION OF INDIA LTD.	156462	0	0	0	0	0	0	156462
	SUB TOTAL :	418288	799	7313	2	11413	116	34829	472760
	STEEL								
31	FERRO SCRAP NIGAM LTD.	0	0	200	0	0	0	0	200
32	MISHRA DHATU NIGAM LTD.	18734	0	0	0	0	0	0	18734
33	RASHTRIYA ISPAT NIGAM LTD.	488985	0	0	0	0	0	0	488985
34	SAIL REFRACTORY COMPANY LTD.	0	0	5	0	0	0	0	5
35	STEEL AUTHORITY OF INDIA LTD.	309778	0	0	20635	64835	0	17805	413053
	SUB TOTAL :	817497	0	205	20635	64835	0	17805	920977
	PETROLEUM (REFINERY & MARKETING)								
36	BHARAT PETROLEUM CORPN. LTD.	39720	622	0	15279	6160	0	10527	72308
37	CHENNAI PETROLEUM CORPORATION LTD.	0	0	107727	2293	519	0	4361	114900
38	GAIL (INDIA) LTD.	71169	0	0	1189	42045	12445	0	126848
39	GAIL GAS LTD.	0	0	40200	0	0	0	0	40200
40	HINDUSTAN PETROLEUM CORPN. LTD.	17308	0	0	6626	4742	21	5204	33901

Sl.No.	Cognate Group / CPSE	Central Govt.	State Govt.	Holding Company	Foreign Parties	Financial Inst.	Employees	Others(Indian)	Total
41	INDIAN OIL CORPORATION LTD.	142215	270	0	10291	5275	0	84744	242795
42	MANGALORE REFINERY & PETROCHEMICALS LTD.	0	0	125535	2108	5830	0	41794	175267
43	NUMALIGARH REFINERY LTD.	0	9082	45355	0	0	0	19126	73563
SUB TOTAL :		270412	9974	318817	37786	64571	12466	165756	879782
FERTILIZERS									
44	BRAHMAPUTRA VALLEY FERTILIZER CORPN. LTD.	36583	0	0	0	0	0	0	36583
45	FERTILIZER CORPN. OF INDIA LTD.	75092	0	0	0	0	0	0	75092
46	FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.	58236	259	0	0	150	0	6062	64707
47	HINDUSTAN FERTILIZER CORPN. LTD.	68654	0	0	0	0	0	0	68654
48	MADRAS FERTILIZERS LTD.	9585	0	0	4152	0	16	2461	16214
49	NATIONAL FERTILIZERS LTD.	44012	0	0	0	286	0	4760	49058
50	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	44136	0	0	168	4205	6660	0	55169
SUB TOTAL :		336298	259	0	4320	4641	6676	13283	365477
CHEMICALS & PHARMACEUTICALS									
51	BENGAL CHEMICALS & PHARMACEUTICALS LTD.	7696	0	0	0	0	0	0	7696
52	BHARAT IMMUNOLOGICALS & BIOLOGICALS CORP. LTD.	2558	0	0	48	0	0	1712	4318
53	BRAHMAPUTRA CRACKERS & POLYMER LTD.	0	12690	79301	0	0	0	25380	117371
54	GOA ANTIBIOTICS & PHARMACEUTICALS LTD.	1407	495	0	0	0	0	0	1902
55	HINDUSTAN ANTIBIOTICS LTD.	7172	0	0	0	0	0	0	7172
56	HINDUSTAN FLUOROCARBONS LIMITED	0	33	1106	0	0	6	816	1961
57	HINDUSTAN INSECTICIDES LTD.	9133	0	0	0	0	0	0	9133
58	HINDUSTAN ORGANIC CHEMICALS LTD.	30948	0	0	84	0	0	2695	33727
59	HLL BIOTECH LTD.	0	0	27489	0	0	0	0	27489
60	IDPL (TAMILNADU) LTD.	0	0	400	0	0	0	0	400
61	INDIAN DRUGS & PHARMACEUTICALS LTD.	11688	0	0	0	0	0	0	11688
62	INDIAN MEDICINES & PHARMACEUTICAL CORPN. LTD.	4830	98	0	0	0	0	0	4928
63	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	798	551	0	0	0	0	0	1349
64	ONGC MANGALORE PETROCHEMICALS LTD.	187763	0	0	0	0	0	0	187763
65	ORISSA DRUGS & CHEMICALS LTD.	0	0	67	0	65	0	0	132
66	RAJASTHAN DRUGS & PHARMACEUTICALS LTD.	255	244	0	0	0	0	0	499
SUB TOTAL :		264248	14111	108363	132	65	6	30603	417528
HEAVY ENGINEERING									
67	BHARAT HEAVY ELECTRICALS LTD.	30869	0	0	6923	9007	23	2130	48952
68	BHARAT WAGON & ENGG. CO. LTD.	907	0	0	0	0	0	0	907
69	BHEL ELECTRICAL MACHINES LTD.	0	515	535	0	0	0	0	1050
70	BRAITHWAITE & CO. LTD.	2942	0	0	0	0	0	0	2942
71	BURN STANDARD COMPANY LTD.	18463	0	0	0	0	0	0	18463
72	HEAVY ENGINEERING CORPN. LTD.	60608	0	0	0	0	0	0	60608
73	TUNGABHADRA STEEL PRODUCTS LTD.	669	175	0	0	0	0	0	844
SUB TOTAL :		114458	690	535	6923	9007	23	2130	133766
MEDIUM & LIGHT ENGINEERING									
74	ANDREW YULE & COMPANY LTD.	5870	0	0	0	376	0	427	6673
75	BALMER LAWRIE & CO. LTD.	0	1	1761	117	72	6	892	2849
76	BEL OPTRONICS DEVICES LTD.	0	0	3784	0	0	0	0	3784
77	BHARAT DYNAMICS LTD.	9775	0	0	0	0	0	0	9775
78	BHARAT ELECTRONICS LTD.	18004	0	0	959	8	0	5029	24000
79	BHARAT PUMPS & COMPRESSORS LTD.	5353	0	0	0	0	0	0	5353
80	CENTRAL ELECTRONICS LTD.	6697	0	0	0	0	0	0	6697
81	ELECTRONICS CORPN. OF INDIA LTD.	16337	0	0	0	0	0	0	16337
82	HINDUSTAN CABLES LTD.	41769	0	0	0	167	0	0	41936

Sl.No.	Cognate Group / CPSE	Central Govt.	State Govt.	Holding Company	Foreign Parties	Financial Inst.	Employees	Others(Indian)	Total
83	HMT BEARINGS LTD.	0	0	3747	24	0	0	0	3771
84	HMT CHINAR WATCHES LTD.	0	0	166	0	0	0	0	166
85	HMT LTD.	116491	0	0	0	7	0	7597	124095
86	HMT MACHINE TOOLS LTD.	0	0	71960	0	0	0	0	71960
87	HMT WATCHES LTD.	0	0	649	0	0	0	0	649
88	I T I LTD.	55889	31	0	0	0	0	2880	58800
89	INSTRUMENTATION LTD.	2405	0	0	0	0	0	0	2405
90	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	0	0	625	0	0	0	600	1225
91	RICHARDSON & CRUDDAS(1972) LTD.	5484	0	0	0	0	0	0	5484
92	SCOOTERS INDIA LTD.	8003	0	0	0	2	0	533	8538
93	VIGNYAN INDUSTRIES LTD.	0	0	269	0	0	0	10	279
SUB TOTAL :		292077	32	82961	1100	632	6	17968	394776
TRANSPORTATION EQUIPMENT									
94	BEML LTD.	2250	0	0	226	221	0	1480	4177
95	COCHIN SHIPYARD LTD.	11328	0	0	0	0	0	0	11328
96	GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.	12384	0	0	0	0	0	0	12384
97	GOA SHIPYARD LTD.	1487	0	0	0	0	0	1423	2910
98	HINDUSTAN AERONAUTICS LTD.	36150	0	0	0	0	0	0	36150
99	HINDUSTAN SHIPYARD LTD.	30199	0	0	0	0	0	0	30199
100	HOOGHLY DOCK AND PORT ENGINEERS LTD.	2861	0	0	0	0	0	0	2861
101	MAZAGON DOCK SHIPBUILDERS LTD.	19920	0	0	0	0	0	0	19920
SUB TOTAL :		116579	0	0	226	221	0	2903	119929
CONSUMER GOODS									
102	ARTIFICIAL LIMBS MFG. CORPN. OF INDIA	5410	0	0	0	0	0	0	5410
103	CEMENT CORPN. OF INDIA LTD.	81141	0	0	0	0	0	0	81141
104	HINDUSTAN NEWSPRINT LTD.	0	0	10000	0	0	0	0	10000
105	HINDUSTAN PAPER CORPORATION LTD.	71830	9900	0	0	0	0	0	81730
106	HINDUSTAN PHOTO FILMS MANUFACTURING CO. LTD.	18618	0	0	0	1919	0	150	20687
107	HINDUSTAN SALTS LTD.	3788	0	0	0	0	0	0	3788
108	HLL LIFECARE LTD.	29042	0	0	0	0	0	0	29042
109	HOOGHLY PRINTING COMPANY LTD.	0	0	103	0	0	0	0	103
110	NAGALAND PULP & PAPER COMPANY LTD.	0	0	6662	0	0	0	0	6662
111	NEPA LTD.	50059	170	0	0	0	0	69	50298
112	SAMBHAR SALTS LTD.	0	40	60	0	0	0	0	100
113	SECURITY PRINTING & MINTING CORPN. INDIA LTD.	118249	0	0	0	0	0	0	118249
SUB TOTAL :		378137	10110	16825	0	1919	0	219	407210
TEXTILES									
114	BIRDS JUTE & EXPORTS LTD.	0	0	15	0	4	0	21	40
115	BRITISH INDIA CORPORATION LTD.	3074	0	0	0	89	0	8	3171
116	NATIONAL JUTE MANUFACTURES CORPORATION LTD.	5580	0	0	0	0	0	0	5580
117	NATIONAL TEXTILE CORPN. LTD.	305488	728	0	0	0	0	0	306216
SUB TOTAL :		314142	728	15	0	93	0	29	315007
POWER GENERATION									
118	KANTI BIJLEE UTPADAN NIGAM LTD.	0	0	68999	0	0	0	37152	106151
119	NHDC LTD.	0	96016	100242	0	0	0	0	196258
120	NHPC LTD.	951621	0	0	13211	24662	237	117336	1107067
121	NLC INDIA LTD.	150994	0	0	384	13930	114	2349	167771
122	NLC TAMIL NADU POWER LTD.	0	0	174642	0	0	0	21585	196227
123	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	345281	0	0	0	0	0	0	345281
124	NTPC LTD.	576834	0	0	88624	115692	0	43396	824546
125	NUCLEAR POWER CORPN. OF INDIA LTD.	1021724	0	0	0	0	0	0	1021724
126	REC POWER DISTRIBUTION CO. LTD.	0	0	5	0	0	0	0	5
127	SJVN LTD.	266661	105501	0	32	2919	0	38550	413663

Sl.No.	Cognate Group / CPSE	Central Govt.	State Govt.	Holding Company	Foreign Parties	Financial Inst.	Employees	Others(Indian)	Total
128	THDC INDIA LTD.	262394	93494	0	0	0	0	0	355888
	SUB TOTAL :	3575509	295011	343888	102251	157203	351	260368	4734581
	POWER TRANSMISSION								
129	NTPC ELECTRIC SUPPLY COMPANY LTD.	0	0	8	0	0	0	0	8
130	POWER GRID CORPORATION OF INDIA LTD.	302884	0	0	138938	29048	388	51901	523159
131	REC TRANSMISSION PROJECTS CO. LTD.	0	0	5	0	0	0	0	5
	SUB TOTAL :	302884	0	13	138938	29048	388	51901	523172
	TRADING & MARKETING								
132	ANTRIX CORPORATION LTD.	400	0	0	0	0	0	0	400
133	CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.	1085	0	0	0	0	0	0	1085
134	CENTRAL RAILSIDE WAREHOUSE CO. LTD.	0	0	4056	0	0	0	0	4056
135	CENTRAL WAREHOUSING CORPN.	3742	0	0	0	2566	0	494	6802
136	COTTON CORPN. OF INDIA LTD.	2500	0	0	0	0	0	0	2500
137	FOOD CORPN. OF INDIA	283049	0	0	0	0	0	0	283049
138	HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	1382	0	0	0	0	0	0	1382
139	HMT (INTERNATIONAL) LTD.	0	0	72	0	0	0	0	72
140	INDIA TRADE PROMOTION ORGANISATION	25	0	0	0	0	0	0	25
141	KARNATAKA TRADE PROMOTION ORGANISATION	0	980	1020	0	0	0	0	2000
142	M M T C LTD.	8993	0	0	0	606	0	401	10000
143	M S T C LTD.	790	0	0	0	0	0	90	880
144	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	1900	0	0	0	0	0	0	1900
145	NORTH EASTERN HANDICRAFTS & HANDLOOM DEV. CORPN. LTD.	850	0	0	0	0	0	0	850
146	NORTH EASTERN REGIONAL AGRI. MARKETING CORP. LTD.	762	0	0	0	0	0	0	762
147	NTPC VIDYUT VYAPAR NIGAM LTD.	0	0	2000	0	0	0	0	2000
148	P E C LTD.	6000	0	0	0	0	0	0	6000
149	SIDCUL CONCOR INFRA COMPANY LTD.	0	0	10000	0	0	0	0	10000
150	STATE TRADING CORPN. OF INDIA LTD.	5400	0	0	0	0	0	600	6000
151	STCL LTD.	0	0	150	0	0	0	0	150
152	TAMIL NADU TRADE PROMOTION ORGANISATION	0	0	1	0	0	0	0	1
153	THE JUTE CORPN. OF INDIA LTD.	500	0	0	0	0	0	0	500
	SUB TOTAL :	317378	980	17299	0	3172	0	1585	340414
	TRANSPORT SERVICES								
154	AIR INDIA AIR TRANSPORT SERVICES LTD.	0	0	13842	0	0	0	0	13842
155	AIR INDIA CHARTERS LTD.	0	0	78000	0	0	0	0	78000
156	AIR INDIA ENGINEERING SERVICES LTD.	0	0	16667	0	0	0	0	16667
157	AIR INDIA LTD.	2149600	0	0	0	0	0	0	2149600
158	AIRLINE ALLIED SERVICES LTD.	0	0	40225	0	0	0	0	40225
159	AIRPORTS AUTHORITY OF INDIA	65656	0	0	0	0	0	0	65656
160	CENTRAL INLAND WATER TRANSPORT CORPN. LTD.	13033	15	0	0	0	0	0	13048
161	CONCOR AIR LTD.	0	0	3665	0	0	0	0	3665
162	CONTAINER CORPORATION OF INDIA LTD.	11073	0	0	5531	2266	0	627	19497
163	DREDGING CORPN. OF INDIA LTD.	2800	0	0	0	0	0	0	2800
164	FRESH & HEALTHY ENTERPRISES LTD.	0	0	14567	0	0	0	0	14567
165	KAMARAJAR PORT LTD.	20000	0	0	0	0	0	10000	30000
166	PAWAN HANS LTD.	12527	0	0	0	0	0	12035	24562
167	PETRONET CCK LTD.	0	0	10000	0	0	0	0	10000
168	SHIPPING CORPORATION OF INDIA LTD.	29694	0	0	2209	8898	0	5779	46580
	SUB TOTAL :	2304383	15	176966	7740	11164	0	28441	2528709

Sl.No.	Cognate Group / CPSE	Central Govt.	State Govt.	Holding Company	Foreign Parties	Financial Inst.	Employees	Others(Indian)	Total
	CONTRACT & CONSTRUCTION SERVICES								
169	BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LTD.	10373	0	0	0	0	0	1388	11761
170	BRIDGE & ROOF CO.(INDIA) LTD.	5463	0	0	0	0	0	36	5499
171	HINDUSTAN PREFAB LTD.	13477	0	0	0	0	0	0	13477
172	HINDUSTAN STEELWORKS COSTN. LTD.	3430	0	0	0	0	0	0	3430
173	INDIAN RAILWAY STATIONS DEVPT. CORPORATION LTD.	0	0	2040	0	0	0	1960	4000
174	IRCON INFRASTRUCTURE & SERVICES LTD.	0	0	6500	0	0	0	0	6500
175	IRCON INTERNATIONAL LTD.	1974	0	0	0	6	0	0	1980
176	KONKAN RAILWAY CORPORATION LTD.	449080	39517	0	0	0	0	0	488597
177	MINERAL EXPLORATION CORPN. LTD.	11955	0	0	0	0	0	0	11955
178	MUMBAI RAILWAY VIKAS CORPORATION LTD.	1275	1225	0	0	0	0	0	2500
179	NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPN. LTD.	5	0	0	0	0	0	0	5
180	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	9348	105	0	0	0	0	0	9453
181	NBCC (INDIA) LTD.	10800	0	0	36	135	0	1029	12000
182	NBCC SERVICES LTD.	0	0	200	0	0	0	0	200
183	PROJECTS & DEVELOPMENT INDIA LTD.	1730	0	0	0	0	0	0	1730
184	RAIL VIKAS NIGAM LTD.	208502	0	0	0	0	0	0	208502
185	TCIL BINA TOLL ROAD LTD.	0	0	1957	0	0	0	0	1957
	SUB TOTAL :	727412	40847	10697	36	141	0	4413	783546
	INDUSTRIAL DEVELOPMENT & TECH.CONSULTANCY SERVICES								
186	AGRINNOVATE INDIA LTD.	5000	0	0	0	0	0	0	5000
187	BROADCAST ENGG. CONSULTANTS INDIA LTD.	137	0	0	0	0	0	0	137
188	CENTRAL MINE PLANNING & DESIGN INSTITUTE LTD.	0	0	0	0	0	0	1904	1904
189	CERTIFICATION ENGINEERS INTERNATIONAL LTD.	0	0	100	0	0	0	0	100
190	EdCIL(India) Ltd.	200	0	0	0	0	0	0	200
191	ENGINEERING PROJECTS (INDIA) LTD.	3541	0	0	0	0	0	1	3542
192	ENGINEERS INDIA LTD.	10002	0	0	0	4577	0	2268	16847
193	HLL INFRA TECH SERVICES LTD.	0	0	5	0	0	0	0	5
194	HSCC (INDIA) LTD.	240	0	0	0	0	0	0	240
195	IIFCL PROJECTS LTD.	0	0	50	0	0	0	0	50
196	MECON LTD.	4014	0	0	0	0	0	0	4014
197	NATIONAL INFORMATICS CENTRE SERVICES INCORPORATED	200	0	0	0	0	0	0	200
198	NATIONAL RESEARCH DEVELOPMENT CORPN.	442	0	0	0	0	0	0	442
199	NATIONAL SMALL INDUSTRIES CORPN. LTD.	53299	0	0	0	0	0	0	53299
200	PFC CAPITAL ADVISORY SERVICE LTD.	0	0	10	0	0	0	0	10
201	PFC CONSULTING LTD.	0	0	5	0	0	0	0	5
202	POWER SYSTEM OPERATION CORPORATION LTD.	0	0	3064	0	0	0	0	3064
203	RAILWAY ENERGY MANAGEMENT COMPANY LTD.	2450	0	2550	0	0	0	0	5000
204	BITES INFRASTRUCTURE SERVICES LTD.	0	0	5	0	0	0	0	5
205	BITES LTD.	10000	0	0	0	0	0	0	10000
206	SOLAR ENERGY CORPORATION OF INDIA	20400	0	0	0	0	0	0	20400
207	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	5920	0	0	0	0	0	0	5920
208	WAPCOS LTD.	3500	0	0	0	0	0	0	3500
	SUB TOTAL :	119345	0	5789	0	4577	0	4173	133884
	TOURIST SERVICES								

Sl.No.	Cognate Group / CPSE	Central Govt.	State Govt.	Holding Company	Foreign Parties	Financial Inst.	Employees	Others(Indian)	Total
209	ASSAM ASHOK HOTEL CORPN. LTD.	0	49	51	0	0	0	0	100
210	DONYI POLO ASHOK HOTEL LTD.	0	49	51	0	0	0	0	100
211	HOTEL CORPN. OF INDIA LTD.	0	0	4060	0	0	0	2200	6260
212	INDIA TOURISM DEV. CORPN. LTD.	7464	0	0	0	344	0	769	8577
213	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	2000	0	0	0	0	0	0	2000
214	MADHYA PRADESH ASHOK HOTEL CORPN. LTD.	0	78	82	0	0	0	0	160
215	PONDICHERRY ASHOK HOTEL CORPN. LTD.	0	0	82	0	0	0	78	160
216	RANCHI ASHOK BIHAR HOTEL CORPN. LTD.	0	0	490	0	0	0	0	490
217	UTKAL ASHOK HOTEL CORPN. LTD.	469	11	0	0	0	0	0	480
SUB TOTAL :		9933	187	4816	0	344	0	3047	18327
FINANCIAL SERVICES									
218	BALMER LAWRIE INVESTMENTS LTD.	1325	0	0	152	3	0	740	2220
219	BIOTECHNOLOGY INDUSTRY RESEARCH ASSISTANCE COUNCIL	100	0	0	0	0	0	0	100
220	DELHI POLICE HOUSING CORPORATION LTD.	500	0	0	0	0	0	0	500
221	E. C. G. C. LTD.	130000	0	0	0	0	0	0	130000
222	HOUSING & URBAN DEV. CORPN. LTD.	200190	0	0	0	0	0	0	200190
223	IIFCL ASSET MANAGEMENT COMPANY LTD.	0	0	1250	0	0	0	0	1250
224	INDIA INFRASTRUCTURE FINANCE CO. LTD.	390000	0	0	0	0	0	0	390000
225	INDIAN RAILWAY FINANCE CORPORATION LTD.	452646	0	0	0	0	0	0	452646
226	INDIAN RENEWABLE ENERGY DEVT.AGENCY LTD.	78460	0	0	0	0	0	0	78460
227	INDIAN VACCINE CORP. LTD.	1253	0	0	0	0	0	626	1879
228	KUMARAKRUPPA FRONTIER HOTELS LTD.	88	0	0	0	0	0	9	97
229	NATIONAL BACKWARD CLASSES FINANCE & DEVP.CO.	102400	0	0	0	0	0	0	102400
230	NATIONAL FILM DEV. CORPN. LTD.	4540	0	0	0	0	0	0	4540
231	NATIONAL HANDICAPPED FINANCE & DEVPT. CORPN.	31261	0	0	0	0	0	0	31261
232	NATIONAL MINORITIES DEVP. & FINANCE CORPORATION	112500	24045	0	0	0	0	0	136545
233	NATIONAL SAFAI KARAMCHARIS FINANCE & DEVPT. CORPN	54499	0	0	0	0	0	0	54499
234	NATIONAL SCHEDULED CASTES FINANCE & DEVP. CORPN.	99813	0	0	0	0	0	0	99813
235	NATIONAL SCHEDULED TRIBES FINANCE & DEVP. CORPN.	50910	0	0	0	0	0	0	50910
236	PFC GREEN ENERGY LTD.	0	0	30000	0	0	0	0	30000
237	POWER FINANCE CORPORATION LTD.	89492	0	0	6438	14661	85	21328	132004
238	RURAL ELECTRIFICATION CORPN. LTD.	59877	0	0	0	23313	59	15497	98746
SUB TOTAL :		1859854	24045	31250	6590	37977	144	38200	1998060
TELECOMMUNICATION SERVICES									
239	BHARAT BROADBAND NETWORK LTD.	6000	0	0	0	0	0	0	6000
240	BHARAT SANCHAR NIGAM LTD.	1250000	0	0	0	0	0	0	1250000
241	MAHANAGAR TELEPHONE NIGAM LTD.	35438	0	0	862	13738	0	12962	63000
242	MILLENNIUM TELECOM LTD.	0	0	288	0	0	0	0	288
243	RAILTEL CORPORATION INDIA LTD.	32094	0	0	0	0	0	0	32094
244	RAILTEL ENTERPRISES LTD.	0	0	1000	0	0	0	0	1000
SUB TOTAL :		1323532	0	1288	862	13738	0	12962	1352382
ENTERPRISES UNDER CONSTRUCTION									
245	ANUSHAKTI VIDHYUT NIGAM LTD.	0	0	6	0	0	0	4	10
246	BAIRA SIUL SARNA TRANSMISSION LTD.	0	0	5	0	0	0	0	5
247	BALLABGARH - GN TRANSMISSION CO. LTD.	0	0	5	0	0	0	0	5
248	BEL-THALES SYSTEMS LTD.	0	0	1658	582	0	0	0	2240
249	BHARAT PETRO RESOURCES JPDA	0	0	6000	0	0	0	0	6000

Sl.No.	Cognate Group / CPSE	Central Govt.	State Govt.	Holding Company	Foreign Parties	Financial Inst.	Employees	Others(Indian)	Total
250	BHARATIYA NABHIKIYA VIDYUT NIGAM LTD.	435712	0	0	0	0	0	22708	458420
251	BHARTIYA RAIL BIJLEE CO. LTD.	0	0	117261	0	0	0	41200	158461
252	BIHAR INFRAPOWER LTD.	0	0	5	0	0	0	0	5
253	BIHAR MEGA POWER LTD.	0	0	5	0	0	0	0	5
254	BPCL-KIAL FUEL PVT. LTD.	0	0	440	0	0	0	160	600
255	BUNDELKHAND SAUR URJA LTD.	0	0	100	0	0	0	0	100
256	CHEYUR INFRA LTD.	0	0	5	0	0	0	0	5
257	CHHATTISGARH EAST RAILWAYS LTD.	0	0	13906	0	0	0	0	13906
258	CHHATTISGARH MEGA STEEL CO. LTD.	0	0	5	0	0	0	0	5
259	CHHATTISGARH SURGUJA POWER LTD.	0	0	5	0	0	0	0	5
260	COASTAL KARNATAKA POWER LTD.	0	0	5	0	0	0	0	5
261	COASTAL MAHARASHTRA MEGA POWER LTD.	0	0	5	0	0	0	0	5
262	COASTAL TAMIL NADU POWER LTD.	0	0	5	0	0	0	0	5
263	DEDICATED FRIGHT CORRIDOR CORP. OF INDIA LTD.	480267	0	0	0	0	0	0	480267
264	DEOGHAR INFRA LTD.	0	0	5	0	0	0	0	5
265	DEOGHAR MEGA POWER LTD.	0	0	5	0	0	0	0	5
266	DINGCHANG TRANSMISSION LTD.	0	0	5	0	0	0	0	5
267	GHOARPALLI INTEGRATED POWER COMPANY LTD.	0	0	5	0	0	0	0	5
268	HIGH SPEED RAIL CORPORATION OF INDIA LTD.	0	0	11	0	0	0	0	11
269	HPCL RAJASTHAN REFINERY LTD.	0	1	4	0	0	0	0	5
270	INDIAN CATALYST PVT. LTD.	0	0	1593	0	0	0	0	1593
271	IRCON PB TOLLWAY LTD.	0	0	9000	0	0	0	0	9000
272	IRCON SHIVPURI GUNA TOLLWAY LTD.	0	0	3300	0	0	0	0	3300
273	JAGDISHPUR PAPER MILLS LTD.	0	0	5	0	0	0	0	5
274	JHARKHAND INFRAPOWER LTD.	0	0	5	0	0	0	0	5
275	JHARKHAND KOLHAN STEEL LTD.	0	0	1	0	0	0	0	1
276	JHARKHAND NATIONAL MINERAL DEVPT. CORPORATION LTD.	0	0	1	0	0	0	0	1
277	KARNATAKA VIJAY NAGAR STEEL LTD.	0	0	1	0	0	0	0	1
278	KHARGONE TRANSMISSION LTD.	0	0	5	0	0	0	0	5
279	KOHIMA-MARIANI TRANSMISSION LTD.	0	0	1	0	0	0	0	1
280	KOLKATA METRO RAIL CORPORATION LTD.	88550	0	0	0	0	0	0	88550
281	LOKTAK DOWNSTREAM HYDROELECTRIC CORPORATION LTD.	0	3060	8709	0	0	0	0	11769
282	MAHANADI BASIN POWER LTD.	0	0	5	0	0	0	0	5
283	MEDINIPUR-JEERAT TRANSMISSION LTD.	0	0	1	0	0	0	0	1
284	MJSJ COAL LTD.	0	0	9510	0	0	0	0	9510
285	MNH SHAKTI LTD.	0	0	5957	0	0	0	2553	8510
286	MOHINDER GARH-BHIWANI TRANSMISSION LTD.	0	0	5	0	0	0	0	5
287	NBCC ENGINEERING AND CONSULTANCY LTD.	0	0	100	0	0	0	0	100
288	NELLORE TRANSMISSION LTD.	0	0	5	0	0	0	0	5
289	NER-II TRANSMISSION LTD.	0	0	5	0	0	0	0	5
290	NEYVELI UTTAR PRADESH POWER LTD	0	0	18992	0	0	0	18248	37240
291	NMDC POWER LTD.	0	0	55	0	0	0	0	55
292	NMDC STEEL LTD.	0	0	1	0	0	0	0	1
293	NMDC-CMDC LTD.	0	3443	3583	0	0	0	0	7026
294	NORTH KARANPURA TRANSCO LTD.	0	0	5	0	0	0	0	5
295	NPCIL - INDIAN OIL NUCLEAR ENERGY CORPORATION LTD.	0	0	74	0	0	0	26	100
296	NPCIL - NALCO POWER COMPANY LTD.	0	0	7	0	0	0	3	10
297	NRSS XXXVI TRANSMISSION LTD.	0	0	5	0	0	0	0	5
298	ODISHA INFRAPOWER LTD.	0	0	5	0	0	0	0	5
299	OIL INDIA INTERNATIONAL LTD.	0	0	10000	0	0	0	0	10000

Sl.No.	Cognate Group / CPSE	Central Govt.	State Govt.	Holding Company	Foreign Parties	Financial Inst.	Employees	Others(Indian)	Total
300	ORISSA INTEGRATED POWER LTD.	0	0	5	0	0	0	0	5
301	PATRATU VIDYUT UTPADAN NIGAM LTD.	0	3	7	0	0	0	0	10
302	POWER GRID JABALPUR TRANSMISSION LTD.	0	0	5	0	0	0	0	5
303	POWER GRID PARLI TRANSMISSION LTD.	0	0	5	0	0	0	0	5
304	POWER GRID SOUTHERN INTERCONNECTOR TRANSMISSION SYSTEM LTD.	0	0	5	0	0	0	0	5
305	POWER GRID WARORA TRANSMISSION LTD.	0	0	5	0	0	0	0	5
306	POWERGRID KALA AMB TRANSMISSION LTD.	0	0	5	0	0	0	0	5
307	POWERGRID NM TRANSMISSION LTD.	0	0	2400	0	0	0	0	2400
308	POWERGRID UNCHAHAR TRANSMISSION LTD.	0	0	5	0	0	0	0	5
309	POWERGRID VIZAG TRANSMISSION LTD.	0	0	5473	0	0	0	0	5473
310	PUNJAB ASHOK HOTEL COMPANY LTD.	0	0	128	0	0	0	122	250
311	PUNJAB LOGISTIC INFRASTRUCTURE LTD.	0	0	13940	0	0	0	0	13940
312	SAKHIGOPAL INTEGRATED POWER COMPANY LTD.	0	0	5	0	0	0	0	5
313	SETHUSAMUDRAM CORPN. LTD.	74500	0	0	0	0	0	0	74500
314	SJVN THERMAL PVT. LTD.	0	0	43668	0	0	0	0	43668
315	SOUTH -CENTRAL EAST DELHI POWER TRANSMISSION LTD.	0	0	5	0	0	0	0	5
316	TANDA TRANSMISSION COMPANY LTD.	0	0	5	0	0	0	0	5
317	TATIYA ANDHRA MEGA POWER LTD.	0	0	5	0	0	0	0	5
318	TCIL LAKHNADONE TOLL ROAD LTD.	2311	0	0	0	0	0	0	2311
319	YULE ELECTRICAL LTD.	0	0	5	0	0	0	0	5
320	YULE ENGINEERING COMPANY LTD.	0	0	5	0	0	0	0	5
SUB TOTAL :		1081340	6507	276073	582	0	0	85024	1449526
GRAND TOTAL :		15788422	405504	3874300	382402	549144	20524	867530	21887826

STATEMENT - 9

DETAILS OF SHORT TERM BORROWINGS(SECURED+UNSECURED) OF CPSEs AS ON 31.3.2016

(₹ in Lakhs)

Sl.No.	Cognate Group / CPSE	Central Govt.	State Govt.	Holding Company	Banks	Foreign Parties	Others	Total
	AGRO BASED INDUSTRIES							
1	HPCL BIOFUELS LTD.	0	0	0	10367	0	0	10367
2	NATIONAL SEEDS CORPN. LTD.	0	0	0	1351	0	0	1351
	SUB TOTAL :	0	0	0	11718	0	0	11718
	COAL							
3	CENTRAL COALFIELDS LTD.	0	0	0	92900	0	0	92900
	SUB TOTAL :	0	0	0	92900	0	0	92900
	CRUDE OIL							
4	ONGC VIDESH LTD.	0	0	0	0	0	55187	55187
	SUB TOTAL :	0	0	0	0	0	55187	55187
	OTHER MINERALS & METALS							
5	NMDC Ltd.	0	0	0	149695	0	0	149695
6	URANIUM CORPORATION OF INDIA LTD.	0	0	0	59091	0	12782	71873
	SUB TOTAL :	0	0	0	208786	0	12782	221568
	STEEL							
7	FERRO SCRAP NIGAM LTD.	0	0	0	2524	0	0	2524
8	RASHTRIYA ISPAT NIGAM LTD.	0	0	0	530409	0	128155	658564
9	STEEL AUTHORITY OF INDIA LTD.	0	0	0	225604	555304	772123	1553031
	SUB TOTAL :	0	0	0	758537	555304	900278	2214119
	PETROLEUM (REFINERY & MARKETING)							
10	BHARAT PETROLEUM CORPN. LTD.	0	0	0	2396	0	0	2396
11	CHENNAI PETROLEUM CORPORATION LTD.	0	0	0	186049	0	70000	256049
12	GAIL GAS LTD.	0	0	0	11195	0	0	11195
13	HINDUSTAN PETROLEUM CORPN. LTD.	0	0	0	388854	0	0	388854
14	INDIAN OIL CORPORATION LTD.	0	0	0	528637	960633	265000	1754270
15	MANGALORE REFINERY & PETROCHEMICALS LTD.	0	0	0	256	0	0	256
16	NUMALIGARH REFINERY LTD.	0	0	0	44	0	0	44
	SUB TOTAL :	0	0	0	1117431	960633	335000	2413064
	FERTILIZERS							
17	FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.	0	0	0	18345	0	0	18345
18	HINDUSTAN FERTILIZER CORPN. LTD.	0	0	0	0	0	128	128
19	MADRAS FERTILIZERS LTD.	38814	0	0	43199	0	0	82013
20	NATIONAL FERTILIZERS LTD.	0	0	0	429223	0	0	429223
21	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	0	0	0	168673	91643	0	260316
	SUB TOTAL :	38814	0	0	659440	91643	128	790025
	CHEMICALS & PHARMACEUTICALS							
22	BENGAL CHEMICALS & PHARMACEUTICALS LTD.	0	0	0	1882	0	0	1882
23	BHARAT IMMUNOLOGICALS & BIOLOGICALS CORP. LTD.	0	0	0	943	0	0	943
24	BRAHAMPUTRA CRACKERS & POLYMER LTD.	0	0	0	10533	0	7500	18033
25	GOA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	0	0	0	0	31	31
26	HINDUSTAN ANTIBIOTICS LTD.	0	0	0	14494	0	1661	16155
27	HINDUSTAN FLUOROCARBONS LIMITED	0	0	0	447	0	0	447
28	HINDUSTAN INSECTICIDES LTD.	0	0	0	8072	0	0	8072
29	HINDUSTAN ORGANIC CHEMICALS LTD.	0	0	0	4041	0	0	4041
30	IDPL (TAMILNADU) LTD.	0	0	328	0	0	0	328
31	INDIAN DRUGS & PHARMACEUTICALS LTD.	0	0	0	0	0	172391	172391

Sl.No.	Cognate Group / CPSE	Central Govt.	State Govt.	Holding Company	Banks	Foreign Parties	Others	Total
32	INDIAN MEDICINES & PHARMACEUTICAL CORPN. LTD.	0	0	0	-315	0	0	-315
33	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	0	0	429	0	0	429
34	ONGC MANGALORE PETROCHEMICALS LTD.	0	0	0	192762	0	190000	382762
35	ORISSA DRUGS & CHEMICALS LTD.	0	15	172	38	0	0	225
36	RAJASTHAN DRUGS & PHARMACEUTICALS LTD.	0	0	0	1417	0	0	1417
SUB TOTAL :		0	15	500	234743	0	371583	606841
HEAVY ENGINEERING								
37	BHEL ELECTRICAL MACHINES LTD.	0	0	315	353	0	0	668
38	BRAITHWAITE & CO. LTD.	0	0	0	1833	0	0	1833
39	BURN STANDARD COMPANY LTD.	0	0	0	4401	0	0	4401
40	HEAVY ENGINEERING CORPN. LTD.	0	0	0	20951	0	0	20951
41	TUNGABHADRA STEEL PRODUCTS LTD.	0	0	0	1209	0	0	1209
SUB TOTAL :		0	0	315	28747	0	0	29062
MEDIUM & LIGHT ENGINEERING								
42	ANDREW YULE & COMPANY LTD.	0	0	0	3976	0	0	3976
43	BEL OPTRONICS DEVICES LTD.	0	0	5000	2838	0	0	7838
44	BHARAT PUMPS & COMPRESSORS LTD.	0	0	0	2603	0	524	3127
45	CENTRAL ELECTRONICS LTD.	0	0	0	3196	0	0	3196
46	ELECTRONICS CORPN. OF INDIA LTD.	0	0	0	25537	0	0	25537
47	HMT LTD.	0	0	0	2770	0	846	3616
48	HMT MACHINE TOOLS LTD.	0	0	145	2756	0	0	2901
49	HMT WATCHES LTD.	0	0	49416	0	0	0	49416
50	I T I LTD.	0	0	0	83891	0	0	83891
51	INSTRUMENTATION LTD.	0	0	0	12702	0	0	12702
52	RICHARDSON & CRUDDAS(1972) LTD.	10177	0	0	0	0	0	10177
53	SCOOTERS INDIA LTD.	0	0	0	886	0	0	886
54	VIGNYAN INDUSTRIES LTD.	0	0	0	179	0	0	179
SUB TOTAL :		10177	0	54561	141334	0	1370	207442
TRANSPORTATION EQUIPMENT								
55	BEML LTD.	0	0	0	14542	0	0	14542
56	HINDUSTAN SHIPYARD LTD.	0	0	0	10745	0	0	10745
57	HOOGHLY DOCK AND PORT ENGINEERS LTD.	0	0	0	125	0	10	135
SUB TOTAL :		0	0	0	25412	0	10	25422
CONSUMER GOODS								
58	HINDUSTAN NEWSPRINT LTD.	0	0	0	13145	0	0	13145
59	HINDUSTAN PAPER CORPORATION LTD.	0	0	0	31212	0	0	31212
60	HINDUSTAN PHOTO FILMS MANUFACTURING CO. LTD.	179376	0	0	949105	0	53952	1182433
61	HINDUSTAN SALTS LTD.	0	0	0	11	0	0	11
62	HLL LIFECARE LTD.	0	0	0	26630	17748	0	44378
63	HOOGHLY PRINTING COMPANY LTD.	0	0	0	460	0	0	460
64	NAGALAND PULP & PAPER COMPANY LTD.	0	0	0	5125	0	0	5125
65	NEPA LTD.	0	0	0	3362	0	0	3362
66	SAMBHAR SALTS LTD.	0	0	0	5	0	0	5
SUB TOTAL :		179376	0	0	1029055	17748	53952	1280131
TEXTILES								
67	BRITISH INDIA CORPORATION LTD.	0	0	0	0	0	10624	10624
68	NATIONAL JUTE MANUFACTURES CORPORATION LTD.	0	0	0	769	0	0	769
69	NATIONAL TEXTILE CORPN. LTD.	27000	0	0	593	0	0	27593
SUB TOTAL :		27000	0	0	1362	0	10624	38986
POWER GENERATION								

Sl.No.	Cognate Group / CPSE	Central Govt.	State Govt.	Holding Company	Banks	Foreign Parties	Others	Total
70	KANTI BIJLEE UTPADAN NIGAM LTD.	0	0	0	18777	0	0	18777
71	NLC TAMIL NADU POWER LTD.	0	0	32000	52165	0	0	84165
72	NTPC LTD.	0	0	0	129950	0	0	129950
73	THDC INDIA LTD.	0	0	0	3678	0	0	3678
SUB TOTAL :		0	0	32000	204570	0	0	236570
POWER TRANSMISSION								
74	POWER GRID CORPORATION OF INDIA LTD.	0	0	0	200000	0	0	200000
SUB TOTAL :		0	0	0	200000	0	0	200000
TRADING & MARKETING								
75	COTTON CORPN. OF INDIA LTD.	0	0	0	428000	0	0	428000
76	FOOD CORPN. OF INDIA	0	0	0	7698913	0	0	7698913
77	HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	0	0	0	1537	0	0	1537
78	M M T C LTD.	0	0	0	27182	0	0	27182
79	M S T C LTD.	0	0	0	53422	0	9386	62808
80	P E C LTD.	0	0	0	94260	0	0	94260
81	SIDCUL CONCOR INFRA COMPANY LTD.	0	0	0	0	0	433	433
82	STATE TRADING CORPN. OF INDIA LTD.	0	0	0	143944	0	0	143944
83	STCL LTD.	0	0	0	118526	0	0	118526
SUB TOTAL :		0	0	0	8565784	0	9819	8575603
TRANSPORT SERVICES								
84	AIR INDIA CHARTERS LTD.	0	0	77153	104329	0	0	181482
85	AIR INDIA LTD.	0	0	0	1455088	0	0	1455088
86	AIRLINE ALLIED SERVICES LTD.	0	0	105846	0	0	0	105846
87	DREDGING CORPN. OF INDIA LTD.	0	0	0	0	0	1034	1034
88	FRESH & HEALTHY ENTERPRISES LTD.	0	0	3145	0	0	0	3145
SUB TOTAL :		0	0	186144	1559417	0	1034	1746595
CONTRACT & CONSTRUCTION SERVICES								
89	BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LTD.	6796	0	0	59	0	50	6905
90	BRIDGE & ROOF CO.(INDIA) LTD.	0	0	0	12962	0	0	12962
91	HINDUSTAN STEELWORKS COSTN. LTD.	0	0	0	53515	0	0	53515
92	IRCON INFRASTRUCTURE & SERVICES LTD.	0	0	229	0	0	0	229
93	NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPN. LTD.	0	0	0	0	0	2242	2242
94	RAIL VIKAS NIGAM LTD.	1480068	23600	0	0	0	18191	1521859
95	TCIL BINA TOLL ROAD LTD.	0	0	0	274	0	0	274
SUB TOTAL :		1486864	23600	229	66810	0	20483	1597986
INDUSTRIAL DEVELOPMENT & TECH.CONSULTANCY SERVICES								
96	NATIONAL SMALL INDUSTRIES CORPN. LTD.	0	0	0	235709	0	0	235709
97	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	0	0	0	6687	0	0	6687
SUB TOTAL :		0	0	0	242396	0	0	242396
TOURIST SERVICES								
98	HOTEL CORPN. OF INDIA LTD.	0	0	0	0	0	310	310
99	RANCHI ASHOK BIHAR HOTEL CORPN. LTD.	0	0	164	0	0	0	164
100	UTKAL ASHOK HOTEL CORPN. LTD.	0	0	500	0	0	1622	2122
SUB TOTAL :		0	0	664	0	0	1932	2596
FINANCIAL SERVICES								
101	HOUSING & URBAN DEV. CORPN. LTD.	0	0	0	156495	0	0	156495
102	INDIA INFRASTRUCTURE FINANCE CO. LTD.	0	0	0	170028	0	0	170028
103	INDIAN RAILWAY FINANCE CORPORATION LTD.	0	0	0	270985	0	296587	567572
104	INDIAN RENEWABLE ENERGY DEVT.AGENCY LTD.	0	0	0	27	0	0	27

Sl.No.	Cognate Group / CPSE	Central Govt.	State Govt.	Holding Company	Banks	Foreign Parties	Others	Total
105	PFC GREEN ENERGY LTD.	0	0	1158	0	0	0	1158
106	POWER FINANCE CORPORATION LTD.	0	0	0	757157	0	0	757157
107	RURAL ELECTRIFICATION CORPN. LTD.	0	0	0	74993	0	560000	634993
SUB TOTAL :		0	0	1158	1429685	0	856587	2287430
TELECOMMUNICATION SERVICES								
108	BHARAT SANCHAR NIGAM LTD.	0	0	0	283672	0	0	283672
109	MAHANAGAR TELEPHONE NIGAM LTD.	0	0	0	792374	0	0	792374
110	MILLENNIUM TELECOM LTD.	0	0	49	0	0	0	49
SUB TOTAL :		0	0	49	1076046	0	0	1076095
ENTERPRISES UNDER CONSTRUCTION								
111	BALLABGARH - GN TRANSMISSION CO. LTD.	0	0	51	0	0	0	51
112	BUNDELKHAND SAUR URJA LTD.	0	0	137	0	0	1000	1137
113	CHEYUR INFRA LTD.	0	0	2	0	0	0	2
114	COASTAL TAMIL NADU POWER LTD.	0	0	2705	0	0	0	2705
115	JAGDISHPUR PAPER MILLS LTD.	0	0	1061	0	0	0	1061
116	KOHIMA-MARIANI TRANSMISSION LTD.	0	0	23	0	0	0	23
117	KOLKATA METRO RAIL CORPORATION LTD.	0	0	0	0	0	32344	32344
118	MEDINIPUR-JEERAT TRANSMISSION LTD.	0	0	25	0	0	0	25
119	MJSJ COAL LTD.	0	0	0	744	0	0	744
120	MNH SHAKTI LTD.	0	0	111	0	0	0	111
121	MOHINDER GARH-BHIWANI TRANSMISSION LTD.	0	0	42	0	0	0	42
122	NEYVELI UTTAR PRADESH POWER LTD	0	0	77	0	0	0	77
123	ODISHA INFRAPOWER LTD.	0	0	14	0	0	0	14
124	PUNJAB ASHOK HOTEL COMPANY LTD.	0	0	32	0	0	22	54
125	SOUTH -CENTRAL EAST DELHI POWER TRANSMISSION LTD.	0	0	0	0	0	6	6
126	TANDA TRANSMISSION COMPANY LTD.	0	0	112	0	0	0	112
SUB TOTAL :		0	0	4392	744	0	33372	38508
GRAND TOTAL :		1742231	23615	280012	17654917	1625328	2664141	23990244

STATEMENT - 10
DETAILS OF LONG TERM BORROWINGS(SECURED+UNSECURED) OF CPSEs AS ON 31.3.2016

(₹ in Lakhs)

Sl. No.	Cognate Group / CPSE	Central Govt.	State Govt.	Holding Company	Banks	Foreign Parties	Others	Total
	AGRO BASED INDUSTRIES							
1	ANDAMAN & NICOBAR ISL. FOREST & PLANT.DEV.CORP.LTD	0	0	0	22308	0	9233	31541
2	HPCL BIOFUELS LTD.	0	1318	8400	29722	0	0	39440
3	NATIONAL SEEDS CORPN. LTD.	0	0	0	60	0	0	60
	SUB TOTAL :	0	1318	8400	52090	0	9233	71041
	COAL							
4	EASTERN COALFIELDS LTD.	0	0	0	0	16800	0	16800
5	MAHANADI COALFIELDLS LTD.	0	0	0	0	0	721	721
	SUB TOTAL :	0	0	0	0	16800	721	17521
	CRUDE OIL							
6	BHARAT PETRO RESOURCES LTD.	0	0	65000	0	0	0	65000
7	OIL INDIA LTD.	0	0	0	0	919875	0	919875
8	ONGC VIDESH LTD.	0	0	575852	0	3097355	154938	3828145
	SUB TOTAL :	0	0	640852	0	4017230	154938	4813020
	OTHER MINERALS & METALS							
9	HINDUSTAN COPPER LTD.	0	0	0	20715	0	0	20715
10	THE BISRA STONE LIME COMPANY LTD.	0	0	901	0	0	0	901
	SUB TOTAL :	0	0	901	20715	0	0	21616
	STEEL							
11	MISHRA DHATU NIGAM LTD.	0	0	0	749	0	228	977
12	RASHTRIYA ISPAT NIGAM LTD.	0	0	0	380548	0	0	380548
13	STEEL AUTHORITY OF INDIA LTD.	0	0	0	0	189856	1408216	1598072
	SUB TOTAL :	0	0	0	381297	189856	1408444	1979597
	PETROLEUM (REFINERY & MARKETING)							
14	BHARAT PETROLEUM CORPN. LTD.	0	0	0	25000	1198657	144912	1368569
15	CHENNAI PETROLEUM CORPORATION LTD.	0	0	0	0	0	100000	100000
16	GAIL (INDIA) LTD.	0	0	0	342128	0	236000	578128
17	GAIL GAS LTD.	0	0	0	7156	0	5132	12288
18	HINDUSTAN PETROLEUM CORPN. LTD.	0	0	0	937473	0	125875	1063348
19	INDIAN OIL CORPORATION LTD.	0	0	0	0	1885477	608847	2494324
20	MANGALORE REFINERY & PETROCHEMICALS LTD.	0	0	257141	0	388449	36452	682042
21	NUMALIGARH REFINERY LTD.	0	0	0	49750	0	0	49750
	SUB TOTAL :	0	0	257141	1361507	3472583	1257218	6348449
	FERTILIZERS							
22	BRAHMAPUTRA VALLEY FERTILIZER CORPN. LTD.	57275	0	0	0	0	0	57275
23	FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.	162713	0	0	0	0	0	162713
24	HINDUSTAN FERTILIZER CORPN. LTD.	0	0	0	0	0	1176	1176
25	MADRAS FERTILIZERS LTD.	16610	0	0	0	0	0	16610
26	NATIONAL FERTILIZERS LTD.	0	0	0	77000	21506	0	98506
27	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	0	0	0	8124	7164	0	15288
	SUB TOTAL :	236598	0	0	85124	28670	1176	351568
	CHEMICALS & PHARMACEUTICALS							
28	BENGAL CHEMICALS & PHARMACEUTICALS LTD.	19483	375	0	0	0	0	19858
29	BRAHMAPUTRA CRACKERS & POLYMER LTD.	0	0	0	167200	0	114143	281343
30	GOA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	0	512	0	0	0	512
31	HINDUSTAN ANTIBIOTICS LTD.	18696	0	0	0	0	11055	29751
32	HINDUSTAN FLUOROCARBONS LIMITED	1008	0	0	20	0	0	1028
33	HINDUSTAN INSECTICIDES LTD.	982	0	0	0	0	0	982
34	HINDUSTAN ORGANIC CHEMICALS LTD.	2321	0	0	1006	0	25000	28327
35	IDPL (TAMILNADU) LTD.	0	0	4465	0	0	0	4465
36	INDIAN DRUGS & PHARMACEUTICALS LTD.	497099	0	0	0	0	29467	526566
37	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	0	0	310	0	0	310
38	ONGC MANGALORE PETROCHEMICALS LTD.	0	0	0	165941	0	50000	215941
39	ORISSA DRUGS & CHEMICALS LTD.	423	0	0	122	0	1101	1646

Sl. No.	Cognate Group / CPSE	Central Govt.	State Govt.	Holding Company	Banks	Foreign Parties	Others	Total
	SUB TOTAL :	540012	375	4977	334599	0	230766	1110729
	HEAVY ENGINEERING							
40	BHARAT HEAVY ELECTRICALS LTD.	0	0	0	0	0	12629	12629
41	BHARAT WAGON & ENGG. CO. LTD.	2418	0	0	0	0	0	2418
42	BRAITHWAITE & CO. LTD.	600	33	0	0	0	0	633
43	BURN STANDARD COMPANY LTD.	3500	411	0	80	0	0	3991
44	HEAVY ENGINEERING CORPN. LTD.	2873	0	0	0	0	0	2873
45	TUNGABHADRA STEEL PRODUCTS LTD.	531	0	0	0	0	0	531
	SUB TOTAL :	9922	444	0	80	0	12629	23075
	MEDIUM & LIGHT ENGINEERING							
46	ANDREW YULE & COMPANY LTD.	0	0	0	1282	0	719	2001
47	CENTRAL ELECTRONICS LTD.	1907	0	0	0	0	0	1907
48	HINDUSTAN CABLES LTD.	312849	0	0	206642	0	162829	682320
49	HMT BEARINGS LTD.	6781	0	0	0	0	0	6781
50	HMT CHINAR WATCHES LTD.	8250	0	0	0	0	16750	25000
51	HMT LTD.	5991	0	0	986	0	0	6977
52	HMT MACHINE TOOLS LTD.	16797	0	0	0	0	0	16797
53	HMT WATCHES LTD.	75414	0	0	0	0	0	75414
54	I T I LTD.	30000	0	0	0	0	0	30000
55	INSTRUMENTATION LTD.	0	13221	0	0	0	0	13221
56	SCOOTERS INDIA LTD.	1789	0	0	0	0	0	1789
	SUB TOTAL :	459778	13221	0	208910	0	180298	862207
	TRANSPORTATION EQUIPMENT							
57	BEML LTD.	0	835	0	734	0	34697	36266
58	COCHIN SHIPYARD LTD.	0	0	0	0	0	12300	12300
59	GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.	0	0	0	0	0	2195	2195
60	GOA SHIPYARD LTD.	0	0	0	0	0	2102	2102
61	HINDUSTAN AERONAUTICS LTD.	0	0	0	0	0	402	402
62	HINDUSTAN SHIPYARD LTD.	37221	0	0	0	0	0	37221
63	HOOGHLY DOCK AND PORT ENGINEERS LTD.	2324	0	0	154	0	0	2478
64	MAZAGON DOCK SHIPBUILDERS LTD.	0	0	0	0	0	8109	8109
	SUB TOTAL :	39545	835	0	888	0	59805	101073
	CONSUMER GOODS							
65	CEMENT CORPN. OF INDIA LTD.	15090	0	0	0	0	3700	18790
66	HINDUSTAN NEWSPRINT LTD.	0	0	0	694	0	0	694
67	HINDUSTAN PAPER CORPORATION LTD.	26353	0	0	0	0	0	26353
68	HINDUSTAN PHOTO FILMS MANUFACTURING CO. LTD.	0	0	0	10787	0	12965	23752
69	HINDUSTAN SALTS LTD.	90	0	0	0	0	0	90
70	HLL LIFECARE LTD.	0	0	0	1933	2162	0	4095
71	HOOGHLY PRINTING COMPANY LTD.	0	0	0	6	0	0	6
72	NAGALAND PULP & PAPER COMPANY LTD.	0	0	1509	0	0	0	1509
73	NEPA LTD.	4693	0	0	0	0	0	4693
74	SAMBHAR SALTS LTD.	0	0	4334	0	0	0	4334
75	SECURITY PRINTING & MINTING CORPN. INDIA LTD.	118244	0	0	0	0	0	118244
	SUB TOTAL :	164470	0	5843	13420	2162	16665	202560
	TEXTILES							
76	BIRDS JUTE & EXPORTS LTD.	2022	0	478	0	0	0	2500
77	BRITISH INDIA CORPORATION LTD.	25753	0	0	0	0	0	25753
78	NATIONAL JUTE MANUFACTURES CORPORATION LTD.	41571	1384	0	0	0	0	42955
	SUB TOTAL :	69346	1384	478	0	0	0	71208
	POWER GENERATION							
79	KANTI BIJLEE UTPADAN NIGAM LTD.	0	0	86	171788	0	50224	222098
80	NHPC LTD.	303380	0	0	475462	0	1059686	1838528
81	NLC INDIA LTD.	0	0	0	87500	49565	179500	316565
82	NLC TAMIL NADU POWER LTD.	0	0	0	287460	0	100986	388446
83	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	29196	0	0	45924	46062	423250	544432

Sl. No.	Cognate Group / CPSE	Central Govt.	State Govt.	Holding Company	Banks	Foreign Parties	Others	Total
84	NTPC LTD.	0	0	0	2568937	2637553	3301836	8508326
85	NUCLEAR POWER CORPN. OF INDIA LTD.	381686	0	0	320000	111506	1486920	2300112
86	REC POWER DISTRIBUTION CO. LTD.	0	0	0	0	0	43	43
87	SJVN LTD.	0	0	0	30008	216398	0	246406
88	THDC INDIA LTD.	0	0	0	116632	34275	198885	349792
	SUB TOTAL :	714262	0	86	4103711	3095359	6801330	14714748
	POWER TRANSMISSION							
89	POWER GRID CORPORATION OF INDIA LTD.	0	0	0	1203100	2926681	5894194	10023975
	SUB TOTAL :	0	0	0	1203100	2926681	5894194	10023975
	TRADING & MARKETING							
90	CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.	80	0	0	0	0	0	80
91	CENTRAL RAILSIDE WAREHOUSE CO. LTD.	0	0	4195	546	0	0	4741
92	FOOD CORPN. OF INDIA	0	0	0	0	0	1300000	1300000
93	KARNATAKA TRADE PROMOTION ORGANISATION	0	0	774	0	0	44	818
94	NORTH EASTERN HANDICRAFTS & HANDLOOM DEV. CORPN. LTD.	800	0	0	0	0	0	800
95	NORTH EASTERN REGIONAL AGRI. MARKETING CORP. LTD.	2006	0	0	0	0	0	2006
96	TAMIL NADU TRADE PROMOTION ORGANISATION	0	0	215	0	0	312	527
	SUB TOTAL :	2886	0	5184	546	0	1300356	1308972
	TRANSPORT SERVICES							
97	AIR INDIA CHARTERS LTD.	0	0	0	113737	0	9500	123237
98	AIR INDIA ENGINEERING SERVICES LTD.	0	0	0	0	0	1	1
99	AIR INDIA LTD.	0	0	0	1453803	0	2126835	3580638
100	AIRPORTS AUTHORITY OF INDIA	0	0	0	6750	4271	43500	54521
101	CONCOR AIR LTD.	0	0	12500	0	0	0	12500
102	DREDGING CORPN. OF INDIA LTD.	0	0	0	0	83033	5888	88921
103	KAMARAJAR PORT LTD.	0	0	0	0	0	69024	69024
104	PAWAN HANS LTD.	47022	0	0	0	0	3141	50163
105	SHIPPING CORPORATION OF INDIA LTD.	0	0	0	459801	0	0	459801
	SUB TOTAL :	47022	0	12500	2034091	87304	2257889	4438806
	CONTRACT & CONSTRUCTION SERVICES							
106	BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LTD.	0	0	0	0	0	715	715
107	IRCON INFRASTRUCTURE & SERVICES LTD.	0	0	2521	0	0	2734	5255
108	KONKAN RAILWAY CORPORATION LTD.	0	0	0	0	0	140170	140170
109	RAIL VIKAS NIGAM LTD.	0	0	0	0	0	212690	212690
110	TCIL BINA TOLL ROAD LTD.	0	0	5877	5488	0	0	11365
	SUB TOTAL :	0	0	8398	5488	0	356309	370195
	INDUSTRIAL DEVELOPMENT & TECH. CONSULTANCY SERVICES							
111	NATIONAL SMALL INDUSTRIES CORPN. LTD.	0	0	0	0	5566	0	5566
112	RAILWAY ENERGY MANAGEMENT COMPANY LTD.	0	0	0	11054	0	0	11054
113	SOLAR ENERGY CORPORATION OF INDIA	0	0	0	2463	0	0	2463
114	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	9500	0	0	0	0	0	9500
	SUB TOTAL :	9500	0	0	13517	5566	0	28583
	TOURIST SERVICES							
115	ASSAM ASHOK HOTEL CORPN. LTD.	0	0	0	0	0	361	361
116	HOTEL CORPN. OF INDIA LTD.	0	0	14363	0	0	0	14363
	SUB TOTAL :	0	0	14363	0	0	361	14724
	FINANCIAL SERVICES							
117	HOUSING & URBAN DEV. CORPN. LTD.	0	0	0	6081	47139	2080982	2134202
118	INDIA INFRASTRUCTURE FINANCE CO. LTD.	0	0	0	1191191	0	1854918	3046109
119	INDIAN RAILWAY FINANCE CORPORATION LTD.	0	0	0	20300	933401	6635506	7589207
120	INDIAN RENEWABLE ENERGY DEVT. AGENCY LTD.	26454	0	0	193737	320132	421268	961591
121	NATIONAL FILM DEV. CORPN. LTD.	0	0	0	141	0	0	141
122	POWER FINANCE CORPORATION LTD.	0	0	0	1050000	749545	15455425	17254970
123	RURAL ELECTRIFICATION CORPN. LTD.	0	0	0	0	1877470	12001473	13878943
	SUB TOTAL :	26454	0	0	2461450	3927687	38449572	44865163
	TELECOMMUNICATION SERVICES							

Sl. No.	Cognate Group / CPSE	Central Govt.	State Govt.	Holding Company	Banks	Foreign Parties	Others	Total
124	BHARAT SANCHAR NIGAM LTD.	0	0	0	498974	0	0	498974
125	MAHANAGAR TELEPHONE NIGAM LTD.	0	0	0	154500	0	751397	905897
126	RAILTEL CORPORATION INDIA LTD.	0	0	0	0	0	54494	54494
SUB TOTAL :		0	0	0	653474	0	805891	1459365
ENTERPRISES UNDER CONSTRUCTION								
127	BHARAT PETRO RESOURCES JPDA	0	0	3841	0	0	0	3841
128	BHARATIYA NABHIKIYA VIDYUT NIGAM LTD.	100000	0	0	0	0	0	100000
129	BHARTIYA RAIL BIJLEE CO. LTD.	0	0	0	0	0	388844	388844
130	BIHAR INFRAPOWER LTD.	0	0	1	0	0	0	1
131	BIHAR MEGA POWER LTD.	0	0	0	0	0	1600	1600
132	CHHATTISGARH EAST RAILWAYS LTD.	0	0	0	24050	0	0	24050
133	CHHATTISHGARH SURGUJA POWER LTD.	0	0	825	0	0	4000	4825
134	COASTAL KARNATAKA POWER LTD.	0	0	161	0	0	0	161
135	COASTAL MAHARASHTRA MEGA POWER LTD.	0	0	0	0	0	6159	6159
136	DEDICATED FRIGHT CORRIDOR CORP. OF INDIA LTD.	305177	0	0	0	0	22041	327218
137	DEOGHAR MEGA POWER LTD.	0	0	644	0	0	0	644
138	GHOGARPALLI INTEGRATED POWER COMPANY LTD.	0	0	0	0	0	1558	1558
139	KOLKATA METRO RAIL CORPORATION LTD.	12781	9600	0	0	116979	0	139360
140	MAHANADI BASIN POWER LTD.	0	0	1610	0	0	0	1610
141	POWER GRID JABALPUR TRANSMISSION LTD.	0	0	234	0	0	0	234
142	POWER GRID PARLI TRANSMISSION LTD.	0	0	528	0	0	0	528
143	POWER GRID SOUTHERN INTERCONNECTOR TRANSMISSION SYSTEM LTD.	0	0	1564	0	0	0	1564
144	POWER GRID WARORA TRANSMISSION LTD.	0	0	0	0	0	1217	1217
145	POWERGRID KALA AMB TRANSMISSION LTD.	0	0	3031	0	0	0	3031
146	POWERGRID NM TRANSMISSION LTD.	0	0	53551	0	0	0	53551
147	POWERGRID UNCHAHAR TRANSMISSION LTD.	0	0	2612	0	0	0	2612
148	POWERGRID VIZAG TRANSMISSION LTD.	0	0	53236	0	0	29000	82236
149	PUNJAB LOGISTIC INFRASTRUCTURE LTD.	0	0	0	1000	0	0	1000
150	SAKHIGOPAL INTEGRATED POWER COMPANY LTD.	0	0	0	0	0	1634	1634
151	SETHUSAMUDRAM CORPN. LTD.	0	0	0	0	0	46	46
152	TCIL LAKHNADONE TOLL ROAD LTD.	0	0	1188	4100	0	0	5288
153	YULE ELECTRICAL LTD.	0	0	3	0	0	2	5
154	YULE ENGINEERING COMPANY LTD.	0	0	12	0	0	0	12
SUB TOTAL :		417958	9600	123041	29150	116979	456101	1152829
GRAND TOTAL :		2737753	27177	1082164	12963157	17886877	59653896	94351024

STATEMENT - 11

STATE-WISE CPSEs WITH GROSS BLOCK & EMPLOYMENT DURING THE LAST THREE YEARS

Sl.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2015-16		2014-15		2013-14	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
	ANDAMAN & NICOBAR ISLANDS						
1	AIR INDIA AIR TRANSPORT SERVICES LTD.	4	5	0	13	0	11
2	ANDAMAN & NICOBAR ISL. FOREST & PLANT.DEV.CORP.LTD	1764	918	1762	1054	1759	1182
3	BHARAT SANCHAR NIGAM LTD.	28884	226	28833	246	0	0
4	CENTRAL WAREHOUSING CORPN.	131	2	131	2	131	2
5	HOUSING & URBAN DEV. CORPN. LTD.	0	2	0	2	0	2
6	I T I LTD.	0	0	0	1	0	1
7	INDIAN OIL CORPORATION LTD.	8740	39	7467	38	6523	40
8	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	0	0	0	0	72	0
9	NBCC (INDIA) LTD.	1	0	0	0	0	0
10	NHPC LTD.	0	2	14	4	17	6
11	NTPC LTD.	5838	1	5854	1	5817	1
12	OIL & NATURAL GAS CORPORATION LTD.	0	0	0	0	217909	0
13	POWER GRID CORPORATION OF INDIA LTD.	0	1	0	1	0	1
14	RASHTRIYA ISPAT NIGAM LTD.	0	28	0	0	0	0
15	SHIPPING CORPORATION OF INDIA LTD.	74	3	85	4	498	4
	STATE TOTAL :	45436	1227	44146	1366	232726	1250
	ANDHRA PRADESH						
1	AIR INDIA AIR TRANSPORT SERVICES LTD.	115	18	0	10	0	28
2	AIR INDIA LTD.	0	0	566099	1066	613788	1226
3	AIRPORTS AUTHORITY OF INDIA	35680	799	24375	722	22435	722
4	BALMER LAWRIE & CO. LTD.	3882	27	1268	23	850	22
5	BEML LTD.	0	8	0	9	579	152
6	BENGAL CHEMICALS & PHARMACEUTICALS LTD.	0	0	1	3	1	3
7	BHARAT BROADBAND NETWORK LTD.	152	3	144	4	0	5
8	BHARAT DYNAMICS LTD.	4993	78	4206	91	86543	3263
9	BHARAT ELECTRONICS LTD.	29442	828	29591	835	27411	854
10	BHARAT HEAVY ELECTRICALS LTD.	22465	1053	20916	1099	17930	1077
11	BHARAT PETROLEUM CORPN. LTD.	88649	164	78692	165	122383	326
12	BHARAT SANCHAR NIGAM LTD.	1231522	22609	1223423	23963	1203108	24927
13	BRIDGE & ROOF CO.(INDIA) LTD.	1418	98	2474	19	2720	19
14	CEMENT CORPN. OF INDIA LTD.	24004	244	23867	267	29862	367
15	CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.	142	2	142	2	132	2
16	CENTRAL RAILSIDE WAREHOUSE CO. LTD.	0	0	0	0	0	1
17	CENTRAL WAREHOUSING CORPN.	10959	225	10705	265	11075	530
18	COAL INDIA LTD.	0	0	3	4	3	4
19	CONTAINER CORPORATION OF INDIA LTD.	19913	21	4018	22	8230	67
20	COTTON CORPN. OF INDIA LTD.	185	77	185	83	293	191
21	DREDGING CORPN. OF INDIA LTD.	324417	322	305029	326	327217	333
22	E. C. G. C. LTD.	52	10	205	22	180	21
23	ELECTRONICS CORPN. OF INDIA LTD.	14	18	19	18	31501	2637
24	ENGINEERING PROJECTS (INDIA) LTD.	14	15	14	18	14	20
25	ENGINEERS INDIA LTD.	0	26	0	36	0	51
26	FERRO SCRAP NIGAM LTD.	2634	151	2342	161	2813	167
27	FERTILIZER CORPN. OF INDIA LTD.	0	0	4723	2	27353	3
28	FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.	38	27	38	27	0	35
29	FOOD CORPN. OF INDIA	20697	5259	19055	5666	18203	5554
30	GAIL (INDIA) LTD.	167741	176	147478	127	130265	159
31	GAIL GAS LTD.	559	6	431	0	399	4

Sl.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2015-16		2014-15		2013-14	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
32	HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	14	2	13	1	29	1
33	HINDUSTAN AERONAUTICS LTD.	0	7	0	0	41313	2319
34	HINDUSTAN ANTIBIOTICS LTD.	3	4	3	7	3	9
35	HINDUSTAN CABLES LTD.	0	0	0	0	15894	666
36	HINDUSTAN FLUOROCARBONS LIMITED	0	0	0	0	7283	179
37	HINDUSTAN INSECTICIDES LTD.	6	13	6	11	3	5
38	HINDUSTAN PAPER CORPORATION LTD.	18	1	18	1	15	1
39	HINDUSTAN PETROLEUM CORPN. LTD.	1435725	1672	1366579	1965	1308778	1989
40	HINDUSTAN PREFAB LTD.	0	6	0	2	0	0
41	HINDUSTAN SHIPYARD LTD.	24919	1546	25346	1641	25220	1828
42	HINDUSTAN STEELWORKS COSTN. LTD.	173	4	320	7	404	11
43	HLL LIFECARE LTD.	25	3	16	4	35	32
44	HMT BEARINGS LTD.	0	0	0	0	2973	62
45	HMT LTD.	0	0	677	49	677	50
46	HMT MACHINE TOOLS LTD.	8993	578	9005	673	9005	767
47	HOUSING & URBAN DEV. CORPN. LTD.	26	9	169	5	176	29
48	HSCC (INDIA) LTD.	0	1	0	1	0	1
49	I T I LTD.	25	2	25	15	25	24
50	INDIA TOURISM DEV. CORPN. LTD.	1	1	1	0	1	2
51	INDIAN OIL CORPORATION LTD.	245062	472	297798	491	327316	914
52	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	0	78	114	78	171	117
53	INDIAN RENEWABLE ENERGY DEVT.AGENCY LTD.	0	0	0	0	0	3
54	INSTRUMENTATION LTD.	0	4	0	5	4	7
55	IRCON INFRASTRUCTURE & SERVICES LTD.	147	0	147	0	147	0
56	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	24	0	32	0	43
57	KIOCL LTD.	0	16	0	20	6	34
58	M M T C LTD.	478	53	483	62	573	100
59	M S T C LTD.	52	22	58	28	43	24
60	MADRAS FERTILIZERS LTD.	23	18	23	21	44	34
61	MANGALORE REFINERY & PETROCHEMICALS LTD.	626	0	626	0	626	0
62	MECON LTD.	97	26	97	24	86	33
63	MINERAL EXPLORATION CORPN. LTD.	195	29	0	0	756	58
64	MISHRA DHATU NIGAM LTD.	0	0	39614	836	36491	904
65	MOIL LTD.	8040	0	0	0	0	0
66	NATIONAL ALUMINIUM COMPANY LTD.	36491	48	36467	47	36421	49
67	NATIONAL FERTILIZERS LTD.	2	0	2	0	0	0
68	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	34	5	32	18	30	17
69	NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPN. LTD.	6	16	0	0	0	0
70	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	0	15	2	14	2	17
71	NATIONAL SCHEDULED TRIBES FINANCE & DEVP. CORPN.	1	2	1	2	1	2
72	NATIONAL SEEDS CORPN. LTD.	0	0	0	0	1014	70
73	NATIONAL SMALL INDUSTRIES CORPN. LTD.	3588	6	3418	6	3385	35
74	NATIONAL TEXTILE CORPN. LTD.	930	142	929	146	1011	150
75	NBCC (INDIA) LTD.	1	29	34	41	34	53
76	NLC INDIA LTD.	10	4	10	3	5	3
77	NMDC Ltd.	11822	34	35501	32	34534	36
78	NTPC ELECTRIC SUPPLY COMPANY LTD.	0	0	0	1	0	1
79	NTPC LTD.	1116378	787	936992	784	1381238	2186
80	NUMALIGARH REFINERY LTD.	2	0	2	0	2	0

Sl.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2015-16		2014-15		2013-14	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
81	OIL & NATURAL GAS CORPORATION LTD.	951322	1596	884010	1548	3193316	1521
82	OIL INDIA LTD.	150	51	13006	61	2252	75
83	P E C LTD.	0	4	0	3	0	13
84	POWER GRID CORPORATION OF INDIA LTD.	1115755	203	1023321	329	976307	460
85	POWERGRID VIZAG TRANSMISSION LTD.	106485	0	26983	4	0	0
86	PROJECTS & DEVELOPMENT INDIA LTD.	0	0	2	3	2	3
87	RAIL VIKAS NIGAM LTD.	189	58	0	53	0	44
88	RAILTEL CORPORATION INDIA LTD.	42665	46	35094	25	31296	61
89	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	0	7	0	9	0	9
90	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	31	19	31	19	976	25
91	RASHTRIYA ISPAT NIGAM LTD.	2797378	17412	2594447	17672	2423918	18127
92	rites INFRASTRUCTURE SERVICES LTD.	71	0	71	0	71	0
93	rites LTD.	0	64	157	54	144	74
94	RURAL ELECTRIFICATION CORPN. LTD.	0	0	0	0	411	36
95	SCOOTERS INDIA LTD.	0	3	0	3	0	3
96	SECURITY PRINTING & MINTING CORPN. INDIA LTD.	0	0	0	0	32785	1090
97	SJVN LTD.	0	9	0	9	0	9
98	STATE TRADING CORPN. OF INDIA LTD.	2037	29	2035	29	519	29
99	STEEL AUTHORITY OF INDIA LTD.	4768	74	7458	102	7834	109
100	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	0	9	0	8	0	7
101	THE JUTE CORPN. OF INDIA LTD.	3	13	3	16	3	12
102	URANIUM CORPORATION OF INDIA LTD.	209911	465	190454	423	158605	429
103	WAPCOS LTD.	85	12	16	4	14	6
STATE TOTAL :		10114450	58017	10001059	62502	12749515	77777
ARUNACHAL PRADESH							
1	BEML LTD.	0	3	0	0	0	0
2	BHARAT PETROLEUM CORPN. LTD.	294	0	285	0	42	1
3	BRIDGE & ROOF CO.(INDIA) LTD.	356	0	433	0	442	0
4	DONYI POLO ASHOK HOTEL LTD.	192	26	180	26	179	46
5	ENGINEERING PROJECTS (INDIA) LTD.	0	1	0	1	0	1
6	FOOD CORPN. OF INDIA	2600	138	2446	131	1552	135
7	HINDUSTAN PETROLEUM CORPN. LTD.	3	0	0	0	0	0
8	HINDUSTAN PREFAB LTD.	0	2	0	3	0	1
9	HOUSING & URBAN DEV. CORPN. LTD.	0	3	0	3	0	3
10	HSCC (INDIA) LTD.	0	2	0	2	0	0
11	INDIA TOURISM DEV. CORPN. LTD.	0	0	0	0	0	2
12	INDIAN OIL CORPORATION LTD.	7806	33	12572	31	5950	29
13	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	0	0	1	0	0
14	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	3	0	3	0	3	0
15	NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPN. LTD.	4	16	0	0	0	0
16	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	2	15	2	17	2	25
17	NBCC (INDIA) LTD.	0	0	0	1	0	0
18	NHPC LTD.	670961	432	645938	455	617083	486
19	NMDC Ltd.	0	0	0	0	0	586
20	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	738704	739	637065	766	531689	840
21	NORTH EASTERN REGIONAL AGRI. MARKETING CORP.LTD.	0	0	0	0	2	0
22	OIL & NATURAL GAS CORPORATION LTD.	0	6627	0	0	0	0
23	OIL INDIA LTD.	28630	112	23531	113	22602	160

Sl.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2015-16		2014-15		2013-14	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
24	POWER GRID CORPORATION OF INDIA LTD.	61948	82	38467	72	27562	67
25	RAILTEL CORPORATION INDIA LTD.	0	2	0	2	0	1
26	BITES LTD.	0	3	0	4	0	6
27	SJVN LTD.	822	0	419	0	0	0
28	STEEL AUTHORITY OF INDIA LTD.	0	1	0	1	0	1
STATE TOTAL :		1512325	8237	1361341	1629	1207108	2390
ASSAM							
1	AIR INDIA AIR TRANSPORT SERVICES LTD.	14	58	0	46	0	43
2	AIRLINE ALLIED SERVICES LTD.	1	0	1	0	0	0
3	AIRPORTS AUTHORITY OF INDIA	91512	2503	90630	1512	98544	1512
4	ANDREW YULE & COMPANY LTD.	13291	7597	13018	7659	12580	7684
5	ARTIFICIAL LIMBS MFG. CORPN. OF INDIA	7	3	3	1	0	2
6	ASSAM ASHOK HOTEL CORPN. LTD.	509	63	508	65	517	69
7	BEML LTD.	12	21	12	28	10	27
8	BENGAL CHEMICALS & PHARMACEUTICALS LTD.	1	5	1	5	1	5
9	BHARAT PETRO RESOURCES LTD.	7284	0	570	0	120	0
10	BHARAT PETROLEUM CORPN. LTD.	15893	24	14025	21	12157	22
11	BHARAT PUMPS & COMPRESSORS LTD.	1	1	1	2	1	2
12	BHARAT SANCHAR NIGAM LTD.	278187	3909	288719	4183	279917	4415
13	BRAHAMPUTRA CRACKERS & POLYMER LTD.	878248	579	598918	430	586073	352
14	BRAHMAPUTRA VALLEY FERTILIZER CORPN. LTD.	114218	707	114341	829	114793	936
15	BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LTD.	0	18	0	95	0	0
16	BRIDGE & ROOF CO.(INDIA) LTD.	124	17	64	18	0	18
17	CEMENT CORPN. OF INDIA LTD.	7997	144	7983	162	7924	196
18	CENTRAL ELECTRONICS LTD.	0	0	0	0	0	1
19	CENTRAL INLAND WATER TRANSPORT CORPN. LTD.	0	3	0	44	0	44
20	CENTRAL RAILSIDE WAREHOUSE CO. LTD.	0	1	0	0	0	0
21	CENTRAL WAREHOUSING CORPN.	1748	41	1748	60	1694	65
22	COAL INDIA LTD.	17335	1859	16499	2009	16060	2181
23	CONTAINER CORPORATION OF INDIA LTD.	721	6	721	5	639	6
24	E. C. G. C. LTD.	0	1	0	1	0	1
25	ELECTRONICS CORPN. OF INDIA LTD.	0	0	0	0	2	0
26	ENGINEERING PROJECTS (INDIA) LTD.	23	20	24	22	23	24
27	ENGINEERS INDIA LTD.	0	56	0	104	0	119
28	FOOD CORPN. OF INDIA	16642	2511	11561	2829	6754	3068
29	GAIL (INDIA) LTD.	365	72	26243	145	26351	145
30	HINDUSTAN PAPER CORPORATION LTD.	96710	1750	96554	1752	97976	1954
31	HINDUSTAN PETROLEUM CORPN. LTD.	10098	27	8949	27	7932	29
32	HINDUSTAN PREFAB LTD.	0	7	0	2	0	3
33	HINDUSTAN STEELWORKS COSTN. LTD.	9	0	6	0	3	1
34	HOUSING & URBAN DEV. CORPN. LTD.	351	22	363	21	376	23
35	HSCC (INDIA) LTD.	0	6	1	5	0	5
36	I T I LTD.	0	0	0	6	0	1
37	INDIA TOURISM DEV. CORPN. LTD.	1	1	1	7	1	6
38	INDIAN OIL CORPORATION LTD.	906354	4655	881348	4344	817229	4593
39	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	19	31	18	31	39	26
40	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	0	0	29	0	1
41	M M T C LTD.	0	0	0	0	0	2
42	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	1	9	1	5	0	5
43	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	210	60	190	69	191	49

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		2015-16		2014-15		2013-14	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
44	NATIONAL SCHEDULED CASTES FINANCE & DEVP. CORPN.	1	1	1	1	1	1
45	NATIONAL SCHEDULED TRIBES FINANCE & DEVP. CORPN.	1	1	1	2	1	2
46	NATIONAL SEEDS CORPN. LTD.	0	6	0	6	0	7
47	NATIONAL SMALL INDUSTRIES CORPN. LTD.	186	26	197	24	192	25
48	NATIONAL TEXTILE CORPN. LTD.	46	1	46	1	45	7
49	NBCC (INDIA) LTD.	389	35	325	39	16	29
50	NORTH EASTERN HANDICRAFTS & HANDLOOM DEV. CORPN. LTD.	157	43	152	44	100	65
51	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	223280	692	214499	739	209418	781
52	NORTH EASTERN REGIONAL AGRI. MARKETING CORP. LTD.	2	0	2	0	143	18
53	NTPC LTD.	638684	270	547520	280	477280	265
54	NUMALIGARH REFINERY LTD.	454684	829	433927	832	406995	818
55	OIL & NATURAL GAS CORPORATION LTD.	2278827	0	2137681	6764	1949572	6821
56	OIL INDIA LTD.	1637919	6482	1464629	6784	1302451	6555
57	POWER FINANCE CORPORATION LTD.	0	0	0	1	0	2
58	POWER GRID CORPORATION OF INDIA LTD.	987881	399	904078	426	704175	454
59	RAILTEL CORPORATION INDIA LTD.	0	8	0	8	0	8
60	REC POWER DISTRIBUTION CO. LTD.	0	0	0	0	3	0
61	rites LTD.	0	10	0	14	0	29
62	RURAL ELECTRIFICATION CORPN. LTD.	33	9	31	10	27	10
63	SCOOTERS INDIA LTD.	0	1	0	1	0	0
64	SJVN LTD.	0	2	0	2	0	2
65	STEEL AUTHORITY OF INDIA LTD.	1270	27	1246	26	1123	28
66	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	1	2	0	3	1	3
67	THE JUTE CORPN. OF INDIA LTD.	7	120	7	141	7	102
68	WAPCOS LTD.	14	1	12	1	10	1
STATE TOTAL :		8681268	35752	7877375	42722	7139467	43668
BIHAR							
1	AIR INDIA AIR TRANSPORT SERVICES LTD.	9	7	0	29	0	27
2	BALMER LAWRIE & CO. LTD.	0	1	0	1	0	0
3	BENGAL CHEMICALS & PHARMACEUTICALS LTD.	1	2	1	3	1	3
4	BHARAT BROADBAND NETWORK LTD.	3	1	3	1	0	1
5	BHARAT PETROLEUM CORPN. LTD.	47358	117	41937	124	36544	128
6	BHARAT SANCHAR NIGAM LTD.	494147	5248	485750	5483	472559	5708
7	BHARAT WAGON & ENGG. CO. LTD.	2320	657	2308	707	2305	751
8	BHARTIYA RAIL BIJLEE CO. LTD.	586383	135	489013	125	399093	125
9	BIHAR MEGA POWER LTD.	95	0	0	0	0	0
10	BRAHMAPUTRA VALLEY FERTILIZER CORPN. LTD.	0	0	2	2	2	3
11	BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LTD.	1149	126	1060	333	1048	680
12	BRIDGE & ROOF CO.(INDIA) LTD.	0	0	0	78	0	92
13	CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.	6	0	0	0	0	0
14	CENTRAL RAILSIDE WAREHOUSE CO. LTD.	768	2	792	0	755	1
15	CENTRAL WAREHOUSING CORPN.	3560	74	2841	80	970	86
16	COAL INDIA LTD.	7	14	4	13	4	17
17	CONTAINER CORPORATION OF INDIA LTD.	478	6	477	3	476	3
18	DEDICATED FRIGHT CORRIDOR CORP. OF INDIA LTD.	0	72	0	42	0	0
19	DREDGING CORPN. OF INDIA LTD.	0	5	0	5	0	3
20	ENGINEERING PROJECTS (INDIA) LTD.	1	22	1	19	1	11

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		2015-16		2014-15		2013-14	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
21	ENGINEERS INDIA LTD.	0	19	0	10	0	0
22	FOOD CORPN. OF INDIA	4242	3184	3957	3416	3736	3605
23	GAIL (INDIA) LTD.	8	6	1874	0	0	0
24	HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	10	0	9	0	8	0
25	HINDUSTAN ANTIBIOTICS LTD.	3	7	3	21	3	26
26	HINDUSTAN FERTILIZER CORPN. LTD.	17970	1	17970	2	17970	2
27	HINDUSTAN PAPER CORPORATION LTD.	0	0	0	2	0	2
28	HINDUSTAN PETROLEUM CORPN. LTD.	54373	89	48684	88	45140	95
29	HINDUSTAN PREFAB LTD.	0	3	0	2	0	14
30	HINDUSTAN STEELWORKS COSTN. LTD.	321	1	320	2	321	6
31	HOUSING & URBAN DEV. CORPN. LTD.	185	14	183	17	182	17
32	HPCL BIOFUELS LTD.	64371	394	75765	394	75787	394
33	I T I LTD.	0	2	0	1	0	8
34	INDIA TOURISM DEV. CORPN. LTD.	533	21	530	34	494	38
35	INDIAN DRUGS & PHARMACEUTICALS LTD.	0	3	0	0	0	0
36	INDIAN OIL CORPORATION LTD.	693388	1705	632083	1682	593914	1736
37	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	1319	99	1308	99	1311	101
38	IRCON INFRASTRUCTURE & SERVICES LTD.	11	0	10	0	11	0
39	IRCON INTERNATIONAL LTD.	452	105	428	127	414	146
40	KANTI BIJLEE UTPADAN NIGAM LTD.	408082	187	356318	195	297453	195
41	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	35	0	9	0	30
42	MECON LTD.	0	9	0	0	0	0
43	NATIONAL FERTILIZERS LTD.	23	0	23	20	0	0
44	NATIONAL JUTE MANUFACTURES CORPORATION LTD.	1416	17	891	3	1357	3
45	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	156	125	92	217	96	273
46	NATIONAL SEEDS CORPN. LTD.	102	43	100	46	96	48
47	NATIONAL SMALL INDUSTRIES CORPN. LTD.	28	6	25	6	22	6
48	NATIONAL TEXTILE CORPN. LTD.	57	18	57	18	57	39
49	NBCC (INDIA) LTD.	283	73	263	67	261	55
50	NHPC LTD.	152	26	152	40	153	90
51	NORTH EASTERN REGIONAL AGRI. MARKETING CORP.LTD.	143	18	143	18	0	0
52	NTPC LTD.	3004576	1698	2848149	1767	2646567	1712
53	NUMALIGARH REFINERY LTD.	1	0	1	0	1	0
54	OIL & NATURAL GAS CORPORATION LTD.	16573	0	16573	0	16573	0
55	OIL INDIA LTD.	620	97	531	109	858	135
56	POWER GRID CORPORATION OF INDIA LTD.	1031492	437	1021573	468	943687	482
57	RAIL VIKAS NIGAM LTD.	34	4	0	11	0	8
58	RAILTEL CORPORATION INDIA LTD.	0	15	0	12	0	12
59	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	0	4	0	2	0	2
60	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	5	4	5	4	6	4
61	RASHTRIYA ISPAT NIGAM LTD.	37	7	37	8	40	5
62	REC POWER DISTRIBUTION CO. LTD.	2	0	2	1	1	0
63	rites LTD.	0	32	0	29	0	31
64	RURAL ELECTRIFICATION CORPN. LTD.	62	16	50	18	46	16
65	SCOOTERS INDIA LTD.	0	1	0	2	0	1
66	SJVN LTD.	1570	98	1217	98	0	103
67	SJVN THERMAL PVT. LTD.	0	0	6073	30	4721	39
68	STEEL AUTHORITY OF INDIA LTD.	12822	12	12822	12	12239	13
69	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	9	5	9	7	9	5

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		2015-16		2014-15		2013-14	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
70	THE JUTE CORPN. OF INDIA LTD.	5	69	5	80	5	59
71	WAPCOS LTD.	8	3	6	4	4	4
STATE TOTAL :		6451729	15201	6072430	16246	5577301	17199
	CHANDIGARH						
1	AIR INDIA AIR TRANSPORT SERVICES LTD.	0	4	0	3	0	4
2	AIR INDIA LTD.	0	0	0	0	0	3
3	AIRPORTS AUTHORITY OF INDIA	40832	446	40211	450	32044	450
4	BALMER LAWRIE & CO. LTD.	0	3	0	3	0	0
5	BHARAT PETROLEUM CORPN. LTD.	591	31	585	33	598	32
6	CENTRAL WAREHOUSING CORPN.	988	50	988	55	988	62
7	COAL INDIA LTD.	0	0	20	14	20	15
8	E. C. G. C. LTD.	21	4	20	4	16	4
9	GAIL (INDIA) LTD.	1	11	90	10	86	12
10	HINDUSTAN PAPER CORPORATION LTD.	0	0	0	1	0	2
11	HINDUSTAN PETROLEUM CORPN. LTD.	5965	46	5455	45	3893	48
12	HMT LTD.	0	0	0	127	0	0
13	HOUSING & URBAN DEV. CORPN. LTD.	196	27	74	26	74	27
14	INDIAN OIL CORPORATION LTD.	17214	171	15748	175	16832	164
15	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	13	0	16	0	17	0
16	INDIAN RAILWAY STATIONS DEVPT. CORPORATION LTD.	172	0	172	0	172	0
17	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	9	0	3	0	10
18	MECON LTD.	0	1	0	1	0	0
19	NATIONAL FERTILIZERS LTD.	164	0	164	47	0	0
20	NATIONAL SEEDS CORPN. LTD.	816	14	808	11	470	15
21	NATIONAL SMALL INDUSTRIES CORPN. LTD.	14	5	12	4	11	4
22	NBCC (INDIA) LTD.	0	16	0	12	0	10
23	NHPC LTD.	0	18	0	25	0	77
24	NTPC ELECTRIC SUPPLY COMPANY LTD.	0	0	2	1	0	1
25	NTPC LTD.	0	3	0	0	0	4
26	POWER GRID CORPORATION OF INDIA LTD.	0	16	0	16	0	29
27	PUNJAB ASHOK HOTEL COMPANY LTD.	291	0	280	0	277	0
28	RAIL VIKAS NIGAM LTD.	4	5	0	0	0	0
29	RAILTEL CORPORATION INDIA LTD.	0	3	0	1	0	1
30	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	0	10	0	8	0	8
31	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	0	0	0	0	0	6
32	RASHTRIYA ISPAT NIGAM LTD.	0	8	123	7	121	7
33	rites LTD.	0	3	0	3	0	0
34	SCOOTERS INDIA LTD.	0	1	0	0	0	0
35	SJVN LTD.	0	6	0	6	0	6
36	STEEL AUTHORITY OF INDIA LTD.	118	22	118	29	119	34
37	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	0	0	0	5	219	7
38	THDC INDIA LTD.	0	1	0	0	0	0
39	WAPCOS LTD.	24	7	23	7	22	5
STATE TOTAL :		67424	941	64909	1132	55979	1047
	CHHATTISGARH						
1	AIR INDIA AIR TRANSPORT SERVICES LTD.	0	5	0	5	0	4
2	BALMER LAWRIE & CO. LTD.	0	1	0	1	0	1
3	BEML LTD.	301	95	268	131	255	87
4	BHARAT BROADBAND NETWORK LTD.	20	3	4	3	0	2
5	BHARAT PETROLEUM CORPN. LTD.	18146	53	16159	53	14743	50
6	BHARAT SANCHAR NIGAM LTD.	229570	1735	225970	1826	220485	1908

Sl.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2015-16		2014-15		2013-14	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
7	BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LTD.	0	1	0	0	0	0
8	BRIDGE & ROOF CO.(INDIA) LTD.	820	4	609	4	1875	16
9	CEMENT CORPN. OF INDIA LTD.	6427	1	6427	2	6424	2
10	CENTRAL MINE PLANNING & DESIGN INSTITUTE LTD.	3838	670	3243	655	2763	541
11	CENTRAL WAREHOUSING CORPN.	4077	89	3402	84	3154	102
12	CHHATTISHGARH SURGUJA POWER LTD.	5696	0	5052	0	4412	0
13	CONTAINER CORPORATION OF INDIA LTD.	12771	5	10427	1	10109	4
14	CREDA HPCL BIOFUEL LTD.	0	0	800	7	1073	8
15	ENGINEERING PROJECTS (INDIA) LTD.	4	28	4	32	4	37
16	FERRO SCRAP NIGAM LTD.	3989	220	3955	243	4029	253
17	FERTILIZER CORPN. OF INDIA LTD.	1165	0	1165	1	1165	1
18	FOOD CORPN. OF INDIA	6601	2351	5782	2427	4883	2473
19	HINDUSTAN ANTIBIOTICS LTD.	0	8	0	0	0	0
20	HINDUSTAN PETROLEUM CORPN. LTD.	32606	88	28473	91	26259	97
21	HINDUSTAN PREFAB LTD.	0	0	0	0	0	2
22	HINDUSTAN STEELWORKS COSTN. LTD.	2398	26	2423	49	2433	81
23	HLL LIFECARE LTD.	134	1	133	0	372	61
24	HOUSING & URBAN DEV. CORPN. LTD.	111	13	109	13	108	14
25	HSCC (INDIA) LTD.	0	7	1	6	0	2
26	I T I LTD.	0	12	0	2	0	2
27	INDIAN OIL CORPORATION LTD.	120401	156	105722	172	90473	173
28	INDIAN OIL-CREDA BIOFUELS LTD.	624	3	622	3	1824	5
29	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	0	5	0	5	2	5
30	INSTRUMENTATION LTD.	21	4	21	4	17	7
31	IRCON INFRASTRUCTURE & SERVICES LTD.	819	0	818	0	818	0
32	IRCON INTERNATIONAL LTD.	78	45	29	25	1	4
33	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	11	0	1	0	10
34	KIOCL LTD.	0	4	0	6	0	13
35	MECON LTD.	722	127	482	110	220	82
36	MINERAL EXPLORATION CORPN. LTD.	2697	289	1602	344	2461	254
37	NATIONAL FERTILIZERS LTD.	16	0	16	14	0	0
38	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	1	1	1	1	1	1
39	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	2	28	9	29	10	38
40	NATIONAL SEEDS CORPN. LTD.	0	3	0	3	0	3
41	NATIONAL SMALL INDUSTRIES CORPN. LTD.	5	6	5	5	5	4
42	NATIONAL TEXTILE CORPN. LTD.	0	2	0	2	0	0
43	NBCC (INDIA) LTD.	338	16	322	13	11	9
44	NHPC LTD.	0	0	0	0	63	24
45	NMDC Ltd.	1152311	3745	885784	3503	640649	3612
46	NMDC-CMDC LTD.	6752	2	6732	2	10	3
47	NTPC ELECTRIC SUPPLY COMPANY LTD.	0	0	8	4	25	5
48	NTPC LTD.	2769124	2526	2464511	2648	2062388	2722
49	OIL INDIA LTD.	0	1	0	1	0	1
50	POWER GRID CORPORATION OF INDIA LTD.	1432660	312	1249416	318	1037166	325
51	RAIL VIKAS NIGAM LTD.	132	30	0	26	0	29
52	RAILTEL CORPORATION INDIA LTD.	0	6	0	3	0	3
53	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	11	4	10	4	11	4
54	RASHTRIYA ISPAT NIGAM LTD.	0	0	0	1	0	0
55	REC POWER DISTRIBUTION CO. LTD.	1	0	0	0	1	0
56	rites LTD.	34	115	33	76	28	129

Sl.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2015-16		2014-15		2013-14	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
57	RURAL ELECTRIFICATION CORPN. LTD.	0	4	0	3	0	3
58	SJVN LTD.	0	3	0	3	0	3
59	SOUTH EASTERN COALFIELDS LTD.	912561	40194	859888	42050	788400	43864
60	STEEL AUTHORITY OF INDIA LTD.	2492352	25984	2325549	27282	2108568	28380
61	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	340	9	411	17	340	16
62	WAPCOS LTD.	15	5	11	5	10	6
STATE TOTAL :		9220691	79056	8216408	82319	7038048	85485
DADRA NAGARHAVLI							
1	BALMER LAWRIE & CO. LTD.	6485	35	6167	35	5827	37
2	BRIDGE & ROOF CO.(INDIA) LTD.	0	0	88	0	151	0
3	GAIL (INDIA) LTD.	0	3	0	2	0	2
4	HINDUSTAN PETROLEUM CORPN. LTD.	9500	0	8749	0	8443	0
5	INDIAN OIL CORPORATION LTD.	3860	33	3647	5	3566	27
6	NATIONAL SMALL INDUSTRIES CORPN. LTD.	0	4	0	4	0	4
7	POWER GRID CORPORATION OF INDIA LTD.	21070	10	19152	14	17898	12
8	BITES LTD.	0	3	0	0	0	0
STATE TOTAL :		40915	88	37803	60	35885	82
DAMAN AND DIU							
1	BHARAT PETROLEUM CORPN. LTD.	32	0	32	0	32	0
2	CENTRAL WAREHOUSING CORPN.	0	6	0	6	0	0
3	HINDUSTAN PETROLEUM CORPN. LTD.	0	0	0	0	2	0
4	INDIAN OIL CORPORATION LTD.	51	5	57	27	56	4
5	NTPC VIDYUT VYAPAR NIGAM LTD.	0	0	0	0	85	0
6	POWER GRID CORPORATION OF INDIA LTD.	24543	10	23011	10	17300	7
STATE TOTAL :		24626	21	23100	43	17475	11
DELHI							
1	AGRINNOVATE INDIA LTD.	68	5	111	8	0	0
2	AIR INDIA AIR TRANSPORT SERVICES LTD.	52	14	0	355	2	406
3	AIR INDIA CHARTERS LTD.	491518	86	0	58	0	0
4	AIR INDIA ENGINEERING SERVICES LTD.	27007	4440	45743	4000	0	0
5	AIR INDIA LTD.	4047168	12826	1606258	4045	1653946	7362
6	AIRLINE ALLIED SERVICES LTD.	236	454	222	564	405	938
7	AIRPORTS AUTHORITY OF INDIA	416072	0	401752	4849	387194	5124
8	ANDREW YULE & COMPANY LTD.	19	8	18	6	14	4
9	ARTIFICIAL LIMBS MFG. CORPN. OF INDIA	3	5	2	5	0	0
10	BALMER LAWRIE & CO. LTD.	602	64	595	74	585	82
11	BEML LTD.	819	58	813	65	799	66
12	BENGAL CHEMICALS & PHARMACEUTICALS LTD.	2	5	2	6	2	6
13	BHARAT BROADBAND NETWORK LTD.	1352	34	1266	32	853	31
14	BHARAT DYNAMICS LTD.	2232	6	0	5	0	3
15	BHARAT HEAVY ELECTRICALS LTD.	74334	895	67180	1379	67132	1332
16	BHARAT PETROLEUM CORPN. LTD.	31531	229	29305	258	27495	279
17	BHARAT PUMPS & COMPRESSORS LTD.	1	6	1	7	1	6
18	BHARAT SANCHAR NIGAM LTD.	1194333	1487	1546412	1445	1543339	0
19	BIOTECHNOLOGY INDUSTRY RESEARCH ASSISTANCE COUNCIL	306	41	301	27	55	22
20	BRIDGE & ROOF CO.(INDIA) LTD.	454	11	189	0	79	12
21	BROADCAST ENGG. CONSULTANTS INDIA LTD.	2	0	2	0	2	0
22	CEMENT CORPN. OF INDIA LTD.	5360	85	5140	91	5143	100
23	CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.	1810	226	1787	233	1759	235
24	CENTRAL ELECTRONICS LTD.	0	1	0	2	0	2
25	CENTRAL RAILSIDE WAREHOUSE CO. LTD.	1493	31	1142	19	1021	16
26	CENTRAL WAREHOUSING CORPN.	18064	575	17629	606	17487	769

Sl.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2015-16		2014-15		2013-14	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
27	CERTIFICATION ENGINEERS INTERNATIONAL LTD.	4	6	3	6	2	6
28	CHENNAI PETROLEUM CORPORATION LTD.	68	4	68	4	68	0
29	COAL INDIA LTD.	1223	105	1190	93	1183	92
30	CONTAINER CORPORATION OF INDIA LTD.	54942	482	50007	457	45247	468
31	COTTON CORPN. OF INDIA LTD.	24	12	28	10	28	10
32	DEDICATED FRIGHT CORRIDOR CORP. OF INDIA LTD.	112330	209	81126	207	59355	173
33	DINGCHANG TRANSMISSION LTD.	52	0	0	0	0	0
34	DREDGING CORPN. OF INDIA LTD.	46	3	46	3	46	3
35	E. C. G. C. LTD.	5648	64	4355	60	3011	58
36	EdCIL(India) Ltd.	0	0	1058	78	1026	81
37	ELECTRONICS CORPN. OF INDIA LTD.	1238	110	1246	124	1247	151
38	ENGINEERING PROJECTS (INDIA) LTD.	1249	142	1249	155	1175	167
39	ENGINEERS INDIA LTD.	15028	1254	13706	1193	20537	1816
40	FCI ARAVALI GYPSUM & MINERALS (INDIA) LTD.	36	2	17	3	14	1
41	FERRO SCRAP NIGAM LTD.	16	1	16	1	16	1
42	FERTILIZER CORPN. OF INDIA LTD.	200	2	199	2	196	4
43	FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.	7	0	7	7	4	7
44	FOOD CORPN. OF INDIA	10497	2473	11773	2690	9216	2657
45	FRESH & HEALTHY ENTERPRISES LTD.	0	6	0	0	0	0
46	GAIL (INDIA) LTD.	40537	405	10955	420	9892	557
47	GOA SHIPYARD LTD.	67	0	104	5	104	4
48	HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	328	10	320	14	312	13
49	HEAVY ENGINEERING CORPN. LTD.	0	11	0	11	0	13
50	HIGH SPEED RAIL CORPORATION OF INDIA LTD.	0	0	272	0	14	0
51	HINDUSTAN AERONAUTICS LTD.	501	42	493	28	438	20
52	HINDUSTAN ANTIBIOTICS LTD.	13	3	13	13	13	16
53	HINDUSTAN CABLES LTD.	0	6	0	0	0	8
54	HINDUSTAN COPPER LTD.	167	19	167	18	163	19
55	HINDUSTAN FERTILIZER CORPN. LTD.	15	3	14	3	14	3
56	HINDUSTAN INSECTICIDES LTD.	733	72	637	78	514	85
57	HINDUSTAN PAPER CORPORATION LTD.	250	25	246	11	243	12
58	HINDUSTAN PETROLEUM CORPN. LTD.	68481	478	144837	490	97600	515
59	HINDUSTAN PREFAB LTD.	788	188	295	236	868	210
60	HINDUSTAN SHIPYARD LTD.	0	2	0	2	0	2
61	HINDUSTAN STEELWORKS COSTN. LTD.	373	1	363	1	368	1
62	HLL LIFECARE LTD.	0	123	0	100	1469	326
63	HMT (INTERNATIONAL) LTD.	100	0	1	1	1	1
64	HOTEL CORPN. OF INDIA LTD.	5461	458	5435	595	5048	595
65	HOUSING & URBAN DEV. CORPN. LTD.	10079	419	10080	435	9891	449
66	HSCC (INDIA) LTD.	0	18	0	21	0	13
67	I T I LTD.	101	121	135	11	123	58
68	IIFCL ASSET MANAGEMENT COMPANY LTD.	10	6	0	0	0	0
69	IIFCL PROJECTS LTD.	26	13	0	0	0	0
70	INDIA INFRASTRUCTURE FINANCE CO. LTD.	9803	88	554	79	485	58
71	INDIA TOURISM DEV. CORPN. LTD.	14147	1232	13428	1328	12934	1422
72	INDIA TRADE PROMOTION ORGANISATION	11217	806	11054	846	11307	901
73	INDIAN DRUGS & PHARMACEUTICALS LTD.	6	2	0	0	0	0
74	INDIAN MEDICINES & PHARMACEUTICAL CORPN. LTD.	0	0	0	0	0	1
75	INDIAN OIL CORPORATION LTD.	225506	1944	192659	2362	239862	2423
76	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	19549	515	19430	515	14558	517

Sl.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2015-16		2014-15		2013-14	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
77	INDIAN RAILWAY FINANCE CORPORATION LTD.	1740	18	1733	19	1727	19
78	INDIAN RAILWAY STATIONS DEVPT. CORPORATION LTD.	506	14	290	13	306	12
79	INDIAN RENEWABLE ENERGY DEVT.AGENCY LTD.	6199	132	6844	121	6011	120
80	INSTRUMENTATION LTD.	90	14	105	18	91	22
81	IRCON INFRASTRUCTURE & SERVICES LTD.	7	0	5	0	2	10
82	IRCON INTERNATIONAL LTD.	11157	467	11828	475	11193	442
83	IRCON PB TOLLWAY LTD.	1	4	0	0	0	0
84	IRCON SHIVPURI GUNA TOLLWAY LTD.	675	0	0	0	0	0
85	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	9	0	7	0	8
86	KHARGONE TRANSMISSION LTD.	42	0	0	0	0	0
87	KIOCL LTD.	0	5	0	6	38	4
88	KOHIMA-MARIANI TRANSMISSION LTD.	24	0	0	0	0	0
89	KONKAN RAILWAY CORPORATION LTD.	0	3	0	4	0	7
90	KUMARAKRUPPA FRONTIER HOTELS LTD.	2	3	1	3	1	3
91	M M T C LTD.	3213	592	4043	628	4651	640
92	M S T C LTD.	106	43	107	38	108	39
93	MADRAS FERTILIZERS LTD.	0	0	10	1	10	1
94	MAHANAGAR TELEPHONE NIGAM LTD.	1455476	14877	1431905	16737	1417195	36523
95	MANGALORE REFINERY & PETROCHEMICALS LTD.	278	32	282	24	257	22
96	MAZAGON DOCK SHIPBUILDERS LTD.	687	4	132	5	101	5
97	MECON LTD.	2237	109	2132	104	2051	111
98	MEDINIPUR-JEERAT TRANSMISSION LTD.	26	0	0	0	0	0
99	MINERAL EXPLORATION CORPN. LTD.	34	4	0	4	0	4
100	MOHINDER GARH-BHIWANI TRANSMISSION LTD.	0	0	39	0	0	0
101	MOIL LTD.	56	5	55	6	38	6
102	MUMBAI RAILWAY VIKAS CORPORATION LTD.	0	3	0	1	0	1
103	NATIONAL ALUMINIUM COMPANY LTD.	1380	34	1375	36	1369	39
104	NATIONAL BACKWARD CLASSES FINANCE & DEVP.CO.	237	44	239	42	236	42
105	NATIONAL FERTILIZERS LTD.	207	0	207	0	207	0
106	NATIONAL FILM DEV. CORPN. LTD.	215	11	89	11	78	13
107	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	5	6	5	4	4	4
108	NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPN. LTD.	158048	74	54	30	0	0
109	NATIONAL INFORMATICS CENTRE SERVICES INCORPORATED	0	0	0	0	7823	0
110	NATIONAL MINORITIES DEVP. & FINANCE CORPORATION	1001	33	1002	33	958	32
111	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	13	39	410	46	412	62
112	NATIONAL RESEARCH DEVELOPMENT CORPN.	226	72	249	77	242	83
113	NATIONAL SAFAI KARAMCHARIS FINANCE & DEVPT. CORPN	104	20	92	21	92	30
114	NATIONAL SCHEDULED CASTES FINANCE & DEVP. CORPN.	825	69	853	65	843	65
115	NATIONAL SCHEDULED TRIBES FINANCE & DEVP. CORPN.	650	46	619	44	623	46
116	NATIONAL SEEDS CORPN. LTD.	942	182	934	200	694	158
117	NATIONAL SMALL INDUSTRIES CORPN. LTD.	9627	293	7715	296	6810	297
118	NATIONAL TEXTILE CORPN. LTD.	159	138	159	135	171	141
119	NBCC (INDIA) LTD.	3087	739	2911	712	2922	768
120	NEPA LTD.	0	2	0	2	0	4
121	NER-II TRANSMISSION LTD.	149	0	0	0	0	0

Sl.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2015-16		2014-15		2013-14	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
122	NLC INDIA LTD.	3115	34	454	34	453	35
123	NMDC Ltd.	3323	11	257	12	253	12
124	NORTH EASTERN HANDICRAFTS & HANDLOOM DEV.CORPN. LTD.	25	6	20	7	19	8
125	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	1081	25	1076	28	713	32
126	NORTH EASTERN REGIONAL AGRI. MARKETING CORP.LTD.	0	1	0	1	0	0
127	NORTH KARANPURA TRANSCO LTD.	45	0	0	0	0	0
128	NRSS XXXVI TRANSMISSION LTD.	73	0	0	0	0	0
129	NTPC LTD.	95551	1171	76456	1249	67026	1395
130	NTPC VIDYUT VYAPAR NIGAM LTD.	81	45	79	49	0	51
131	NUMALIGARH REFINERY LTD.	109	5	49	5	136	6
132	OIL & NATURAL GAS CORPORATION LTD.	92042	1580	133040	1565	100431	1554
133	OIL INDIA LTD.	2879	32	3039	34	7097	34
134	ONGC VIDESH LTD.	21486	339	20547	238	17181	226
135	ORISSA MINERAL DEVELOPMENT COMPANY LTD.	370	2	0	0	320	2
136	P E C LTD.	649	119	636	130	636	130
137	PAWAN HANS LTD.	38623	194	34955	199	32759	100
138	PFC CAPITAL ADVISORY SERVICE LTD.	3	3	4	7	4	7
139	PFC CONSULTING LTD.	152	0	118	0	107	0
140	PFC GREEN ENERGY LTD.	6	16	8	17	8	18
141	POWER FINANCE CORPORATION LTD.	11249	460	11134	442	10869	437
142	POWER GRID CORPORATION OF INDIA LTD.	130184	315	128625	314	128625	310
143	POWER GRID JABALPUR TRANSMISSION LTD.	0	0	1830	0	0	0
144	POWER GRID PARLI TRANSMISSION LTD.	2409	0	0	0	0	0
145	POWER GRID SOUTHERN INTERCONNECTOR TRANSMISSION SYSTEM LTD.	3625	0	0	0	0	0
146	POWER GRID WARORA TRANSMISSION LTD.	2957	0	0	0	0	0
147	POWER SYSTEM OPERATION CORPORATION LTD.	6353	162	17493	162	16651	170
148	POWERGRID UNCHAHAR TRANSMISSION LTD.	0	0	299	0	0	0
149	PRIZE PETROLEUM COMPANY LTD.	184	21	187	22	187	22
150	RAIL VIKAS NIGAM LTD.	1947	90	3665	94	3209	99
151	RAILTEL CORPORATION INDIA LTD.	34526	69	31810	53	27769	53
152	RAJASTHAN DRUGS & PHARMACEUTICALS LTD.	31	0	32	0	34	1
153	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	3	5	3	5	8	4
154	RASHTRIYA ISPAT NIGAM LTD.	2662	39	2616	40	2650	39
155	REC POWER DISTRIBUTION CO. LTD.	179	0	69	3	55	0
156	REC TRANSMISSION PROJECTS CO. LTD.	14	0	10	0	5	0
157	rites LTD.	555	72	543	55	523	172
158	RURAL ELECTRIFICATION CORPN. LTD.	3592	336	3246	337	3153	353
159	SCOOTERS INDIA LTD.	0	8	0	10	4	10
160	SECURITY PRINTING & MINTING CORPN. INDIA LTD.	5452	69	5434	66	5060	70
161	SHIPPING CORPORATION OF INDIA LTD.	95	12	100	11	101	11
162	SJVN LTD.	0	36	0	38	0	39
163	SOLAR ENERGY CORPORATION OF INDIA	241	62	212	36	183	36
164	SOUTH -CENTRAL EAST DELHI POWER TRANSMISSION LTD.	7	0	5	0	0	0
165	STATE TRADING CORPN. OF INDIA LTD.	80009	366	79891	384	4736	428
166	STEEL AUTHORITY OF INDIA LTD.	17131	723	16908	785	16916	799
167	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	3785	445	3619	420	3464	417
168	URANIUM CORPORATION OF INDIA LTD.	56	0	56	0	0	0
169	WAPCOS LTD.	453	150	352	113	306	86

Sl.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2015-16		2014-15		2013-14	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
STATE TOTAL :		9152447	58640	6358757	57788	6174820	77681
	GOA						
1	AIR INDIA AIR TRANSPORT SERVICES LTD.	108	13	0	77	0	47
2	AIR INDIA LTD.	0	0	0	13	0	10
3	BALMER LAWRIE & CO. LTD.	0	0	0	1	71	10
4	BEML LTD.	19	2	19	2	19	5
5	BHARAT PETROLEUM CORPN. LTD.	13816	47	12954	50	12136	53
6	BRIDGE & ROOF CO.(INDIA) LTD.	0	1	0	0	0	0
7	CENTRAL WAREHOUSING CORPN.	534	18	534	20	534	16
8	CONTAINER CORPORATION OF INDIA LTD.	22	1	22	1	25	1
9	DREDGING CORPN. OF INDIA LTD.	0	1	0	1	0	1
10	GAIL (INDIA) LTD.	0	7	0	3	0	3
11	GOA ANTIBIOTICS & PHARMACEUTICALS LTD.	987	194	942	196	962	207
12	GOA SHIPYARD LTD.	41074	1605	30143	1558	54488	1535
13	HINDUSTAN ANTIBIOTICS LTD.	0	1	0	0	0	0
14	HINDUSTAN PETROLEUM CORPN. LTD.	12634	65	11236	66	11009	66
15	HOUSING & URBAN DEV. CORPN. LTD.	0	3	0	3	0	3
16	I T I LTD.	0	0	0	5	0	2
17	INDIA TOURISM DEV. CORPN. LTD.	3	1	3	2	3	2
18	INDIAN OIL CORPORATION LTD.	16729	83	8989	79	7949	71
19	IRCON INTERNATIONAL LTD.	0	0	0	2	0	10
20	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	0	0	14	0	0
21	KONKAN RAILWAY CORPORATION LTD.	73013	1278	70411	1253	67852	1167
22	M M T C LTD.	1289	19	1295	23	1301	29
23	NATIONAL SMALL INDUSTRIES CORPN. LTD.	0	4	0	2	0	2
24	OIL & NATURAL GAS CORPORATION LTD.	4790	67	4790	71	4782	70
25	OIL INDIA LTD.	0	0	0	1	0	1
26	POWER GRID CORPORATION OF INDIA LTD.	18904	15	18904	18	15773	21
27	REC POWER DISTRIBUTION CO. LTD.	16	0	3	2	0	0
28	RITEES LTD.	0	6	0	9	0	8
29	STEEL AUTHORITY OF INDIA LTD.	0	1	0	1	0	1
STATE TOTAL :		183938	3432	160245	3473	176904	3341
	GUJRAT						
1	AIR INDIA AIR TRANSPORT SERVICES LTD.	480	20	0	137	0	109
2	AIR INDIA LTD.	0	0	116723	34	0	34
3	BALMER LAWRIE & CO. LTD.	105	9	107	8	2266	15
4	BEML LTD.	23	15	23	16	23	16
5	BHARAT BROADBAND NETWORK LTD.	21	5	17	5	0	4
6	BHARAT PETRO RESOURCES LTD.	4827	0	1470	0	566	0
7	BHARAT PETROLEUM CORPN. LTD.	104532	298	93252	311	80343	326
8	BHARAT PUMPS & COMPRESSORS LTD.	1	4	1	3	1	3
9	BHARAT SANCHAR NIGAM LTD.	866964	15836	861212	16903	850766	18180
10	BRIDGE & ROOF CO.(INDIA) LTD.	1813	74	2515	9	3037	9
11	CENTRAL RAILSIDE WAREHOUSE CO. LTD.	1876	0	2082	0	2179	0
12	CENTRAL WAREHOUSING CORPN.	16406	180	16350	205	16012	230
13	CERTIFICATION ENGINEERS INTERNATIONAL LTD.	6	10	6	10	5	10
14	COAL INDIA LTD.	4	6	4	6	4	6
15	CONTAINER CORPORATION OF INDIA LTD.	25307	65	31432	74	23549	79
16	COTTON CORPN. OF INDIA LTD.	505	97	500	107	439	111
17	DEDICATED FRIGHT CORRIDOR CORP. OF INDIA LTD.	46879	86	44971	78	35011	63
18	DREDGING CORPN. OF INDIA LTD.	0	3	0	3	0	22
19	E. C. G. C. LTD.	287	32	285	32	282	29
20	ELECTRONICS CORPN. OF INDIA LTD.	3	2	1	4	1	4

Sl.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2015-16		2014-15		2013-14	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
21	ENGINEERING PROJECTS (INDIA) LTD.	0	0	0	2	0	2
22	ENGINEERS INDIA LTD.	891	143	885	161	876	168
23	FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.	1	0	1	0	0	0
24	FOOD CORPN. OF INDIA	6214	1011	5940	1096	5734	1169
25	GAIL (INDIA) LTD.	288558	526	260139	535	256469	470
26	GAIL GAS LTD.	0	5	0	0	3271	5
27	HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	0	0	0	1	0	0
28	HINDUSTAN ANTIBIOTICS LTD.	2	3	2	3	2	3
29	HINDUSTAN COPPER LTD.	24689	13	0	0	0	0
30	HINDUSTAN INSECTICIDES LTD.	3	7	2	8	2	6
31	HINDUSTAN PETROLEUM CORPN. LTD.	173281	353	160851	359	149866	377
32	HINDUSTAN SALTS LTD.	1066	46	1010	168	987	61
33	HINDUSTAN STEELWORKS COSTN. LTD.	0	1	0	0	0	0
34	HLL LIFECARE LTD.	4	0	0	0	0	0
35	HOUSING & URBAN DEV. CORPN. LTD.	1625	19	1391	20	936	21
36	I T I LTD.	0	8	0	2	0	10
37	INDIAN CATALYST PVT. LTD.	647	0	1490	0	0	0
38	INDIAN OIL CORPORATION LTD.	2025422	3621	1955816	3597	1900574	3722
39	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	65	65	64	65	73	3
40	INDIAN RAILWAY STATIONS DEVPT. CORPORATION LTD.	1	0	0	0	0	0
41	INDIAN RENEWABLE ENERGY DEVT.AGENCY LTD.	1	1	0	1	0	2
42	INSTRUMENTATION LTD.	0	0	9	1	9	2
43	IRCON INFRASTRUCTURE & SERVICES LTD.	1	0	0	0	0	0
44	IRCON INTERNATIONAL LTD.	22	16	60	0	60	0
45	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	15	0	9	0	16
46	M M T C LTD.	126	24	132	26	151	30
47	M S T C LTD.	43	18	43	17	43	16
48	MADRAS FERTILIZERS LTD.	0	0	2	0	0	0
49	MECON LTD.	0	10	0	7	0	0
50	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	0	1	0	2	0	1
51	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	0	1	0	1	0	1
52	NATIONAL SEEDS CORPN. LTD.	0	18	0	15	0	14
53	NATIONAL SMALL INDUSTRIES CORPN. LTD.	659	32	569	30	449	32
54	NATIONAL TEXTILE CORPN. LTD.	15198	41	15198	36	15525	44
55	NBCC (INDIA) LTD.	170	70	171	96	171	100
56	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	12	0	0	0	0	0
57	NTPC LTD.	542727	414	546544	439	533198	447
58	NUCLEAR POWER CORPN. OF INDIA LTD.	991679	1352	776126	1363	514818	1296
59	OIL & NATURAL GAS CORPORATION LTD.	3085240	10856	3294477	10232	2812232	10742
60	OIL INDIA LTD.	10152	3	10769	3	0	1
61	P E C LTD.	0	7	0	8	0	9
62	POWER GRID CORPORATION OF INDIA LTD.	562437	315	524213	299	422890	278
63	PRIZE PETROLEUM COMPANY LTD.	1990	1	1990	1	1985	1
64	PROJECTS & DEVELOPMENT INDIA LTD.	1152	93	1145	96	1141	105
65	RAIL VIKAS NIGAM LTD.	0	7	0	5	0	3
66	RAILTEL CORPORATION INDIA LTD.	0	16	0	25	0	25
67	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	0	15	0	15	0	13
68	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	13	9	13	9	14	6

Sl.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2015-16		2014-15		2013-14	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
69	RASHTRIYA ISPAT NIGAM LTD.	85	8	85	8	84	10
70	rites INFRASTRUCTURE SERVICES LTD.	24	0	24	0	24	0
71	rites LTD.	26	70	23	39	9	55
72	RURAL ELECTRIFICATION CORPN. LTD.	206	4	203	4	209	6
73	SCOOTERS INDIA LTD.	0	3	0	3	0	3
74	SJVN LTD.	660	3	521	2	0	2
75	STATE TRADING CORPN. OF INDIA LTD.	612	29	611	39	48	40
76	STEEL AUTHORITY OF INDIA LTD.	1809	114	1807	129	1809	125
77	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	0	1	0	0	0	0
78	THDC INDIA LTD.	3052	1	0	0	0	0
79	WAPCOS LTD.	176	50	136	32	140	28
STATE TOTAL :		8810780	36181	8733413	36954	7638283	38720
HARYANA							
1	BALLABGARH - GN TRANSMISSION CO. LTD.	70	0	62	0	51	0
2	BALMER LAWRIE & CO. LTD.	2371	24	2442	13	0	0
3	BHARAT BROADBAND NETWORK LTD.	10	4	11	4	0	2
4	BHARAT ELECTRONICS LTD.	9252	542	8896	540	8916	543
5	BHARAT PETROLEUM CORPN. LTD.	75558	272	69412	277	64092	293
6	BHARAT SANCHAR NIGAM LTD.	345359	4367	345530	4671	386397	4933
7	BRIDGE & ROOF CO.(INDIA) LTD.	6	0	90	3	438	15
8	CEMENT CORPN. OF INDIA LTD.	997	1	999	1	999	1
9	CENTRAL WAREHOUSING CORPN.	7282	183	7277	210	7027	164
10	CONTAINER CORPORATION OF INDIA LTD.	2844	9	2511	16	1893	15
11	COTTON CORPN. OF INDIA LTD.	339	35	339	40	339	44
12	DEDICATED FRIGHT CORRIDOR CORP. OF INDIA LTD.	0	23	0	24	0	16
13	DREDGING CORPN. OF INDIA LTD.	0	4	0	4	0	4
14	E. C. G. C. LTD.	78	8	101	10	90	14
15	ELECTRONICS CORPN. OF INDIA LTD.	0	0	1	0	0	0
16	ENGINEERS INDIA LTD.	22512	865	20362	857	10430	341
17	FOOD CORPN. OF INDIA	10117	3711	9193	4085	7996	3103
18	FRESH & HEALTHY ENTERPRISES LTD.	8061	18	8160	19	8127	23
19	GAIL (INDIA) LTD.	44809	46	42746	47	42333	22
20	GAIL GAS LTD.	9462	7	8617	9	8603	6
21	HINDUSTAN ANTIBIOTICS LTD.	0	1	0	0	0	0
22	HINDUSTAN INSECTICIDES LTD.	232	11	232	13	232	12
23	HINDUSTAN PAPER CORPORATION LTD.	0	0	0	0	5	0
24	HINDUSTAN PETROLEUM CORPN. LTD.	149713	128	134220	130	125409	129
25	HLL LIFECARE LTD.	315	9	308	9	170	20
26	HMT LTD.	10979	1043	10980	1099	11079	1230
27	HMT MACHINE TOOLS LTD.	4669	324	4671	382	4672	446
28	HSCC (INDIA) LTD.	0	8	0	4	0	2
29	I T I LTD.	0	0	0	2	0	2
30	INDIAN DRUGS & PHARMACEUTICALS LTD.	7809	7	14061	70	14725	114
31	INDIAN OIL CORPORATION LTD.	3272017	3267	3231426	3252	3120162	3277
32	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	632	0	0	0	118	0
33	INDIAN VACCINE CORP. LTD.	1050	2	1276	3	1760	3
34	INSTRUMENTATION LTD.	14	1	1	1	0	1
35	IRCON INTERNATIONAL LTD.	1491	4	530	4	47	6
36	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	12	0	0	0	5
37	M M T C LTD.	0	0	0	0	0	6
38	MOHINDER GARH-BHIWANI TRANSMISSION LTD.	48	0	0	0	0	0
39	NATIONAL FERTILIZERS LTD.	160125	592	159392	664	158453	702

Sl.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2015-16		2014-15		2013-14	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
40	NATIONAL HANDICAPPED FINANCE & DEVPT. CORPN.	151	33	137	32	124	32
41	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	241	13	238	19	225	16
42	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	1616	177	1350	180	1400	189
43	NATIONAL SEEDS CORPN. LTD.	1819	193	1764	203	0	14
44	NATIONAL SMALL INDUSTRIES CORPN. LTD.	42	34	40	30	27	28
45	NBCC (INDIA) LTD.	1141	93	1	94	1	108
46	NHPC LTD.	36111	1619	35073	1633	33635	1518
47	NMDC Ltd.	0	0	0	0	0	2
48	NTPC ELECTRIC SUPPLY COMPANY LTD.	0	0	0	0	2	0
49	NTPC LTD.	123143	123	121475	140	115044	150
50	NUMALIGARH REFINERY LTD.	5	0	5	0	5	0
51	OIL INDIA LTD.	0	6	0	7	0	8
52	P E C LTD.	0	0	0	0	0	1
53	POWER GRID CORPORATION OF INDIA LTD.	815129	1302	634946	1312	566469	1244
54	RAIL VIKAS NIGAM LTD.	3	7	0	3	0	2
55	RAILTEL CORPORATION INDIA LTD.	15045	68	7876	101	3953	98
56	RAILTEL ENTERPRISES LTD.	0	37	0	0	0	0
57	RAILWAY ENERGY MANAGEMENT COMPANY LTD.	0	1	0	1	0	0
58	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	2	0	2	4	0	0
59	RASHTRIYA ISPAT NIGAM LTD.	92	14	92	12	90	11
60	BITES INFRASTRUCTURE SERVICES LTD.	71	0	71	0	68	0
61	BITES LTD.	40078	1076	35607	1114	28529	234
62	RURAL ELECTRIFICATION CORPN. LTD.	11414	23	4517	23	4200	25
63	SJVN LTD.	0	45	0	48	0	48
64	STEEL AUTHORITY OF INDIA LTD.	3093	43	3090	42	3071	44
65	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	4	5	0	0	0	3
66	WAPCOS LTD.	1902	358	1672	316	1569	302
STATE TOTAL :		5199323	20798	4931802	21777	4742975	19571
HIMACHAL PRADESH							
1	AIR INDIA AIR TRANSPORT SERVICES LTD.	0	0	0	1	0	0
2	BALMER LAWRIE & CO. LTD.	0	0	0	1	0	0
3	BHARAT BROADBAND NETWORK LTD.	3	1	3	1	0	2
4	BHARAT PETROLEUM CORPN. LTD.	29	3	25	3	19	2
5	BHARAT SANCHAR NIGAM LTD.	202645	2951	203179	3048	222077	3137
6	BRIDGE & ROOF CO.(INDIA) LTD.	0	2	0	1	0	12
7	CEMENT CORPN. OF INDIA LTD.	4951	206	4943	214	4927	242
8	CENTRAL WAREHOUSING CORPN.	271	8	270	8	267	7
9	CONTAINER CORPORATION OF INDIA LTD.	1247	2	1235	2	880	2
10	FCI ARAVALI GYPSUM & MINERALS (INDIA) LTD.	7	0	0	0	0	0
11	FOOD CORPN. OF INDIA	953	202	864	218	909	220
12	FRESH & HEALTHY ENTERPRISES LTD.	0	0	8	8	7	8
13	HINDUSTAN ANTIBIOTICS LTD.	0	1	0	0	0	0
14	HINDUSTAN PETROLEUM CORPN. LTD.	8191	18	7050	14	5972	14
15	HINDUSTAN PREFAB LTD.	0	1	0	0	0	0
16	HINDUSTAN SALTS LTD.	123	2	123	14	123	5
17	HLL LIFECARE LTD.	67	0	60	0	0	0
18	HOUSING & URBAN DEV. CORPN. LTD.	0	2	0	3	0	3
19	HSCC (INDIA) LTD.	0	2	0	2	0	3
20	I T I LTD.	0	0	0	140	0	2
21	INDIAN OIL CORPORATION LTD.	38160	83	35250	84	32742	94

Sl.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2015-16		2014-15		2013-14	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
22	INSTRUMENTATION LTD.	0	0	0	0	3	0
23	NATIONAL FERTILIZERS LTD.	3	0	3	2	0	0
24	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	1	1	1	1	1	1
25	NATIONAL SMALL INDUSTRIES CORPN. LTD.	0	4	0	4	0	4
26	NBCC (INDIA) LTD.	4	30	0	42	0	41
27	NHPC LTD.	1477376	1755	1404611	1895	1346883	2141
28	NMDC Ltd.	969	1	969	2	969	1
29	NTPC LTD.	711107	185	668318	211	614025	232
30	OIL & NATURAL GAS CORPORATION LTD.	32070	0	32070	0	30354	0
31	OIL INDIA LTD.	0	2	0	2	0	2
32	POWER GRID CORPORATION OF INDIA LTD.	239992	85	225019	88	221760	139
33	POWERGRID KALA AMB TRANSMISSION LTD.	1125	0	413	0	0	0
34	RAILTEL CORPORATION INDIA LTD.	0	1	0	1	0	1
35	REC POWER DISTRIBUTION CO. LTD.	0	0	0	0	1	0
36	RITES LTD.	0	0	0	0	0	4
37	RURAL ELECTRIFICATION CORPN. LTD.	129	5	129	4	129	5
38	SJVN LTD.	1314543	1218	1304076	1275	1274669	1314
39	SJVN THERMAL PVT. LTD.	43946	0	93	9	0	0
40	STEEL AUTHORITY OF INDIA LTD.	6359	1	6208	1	6729	1
41	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	0	1	0	2	0	1
42	WAPCOS LTD.	1	0	0	0	0	0
STATE TOTAL :		4084272	6773	3894920	7301	3763446	7640
JAMMU & KASHMIR							
1	AIR INDIA AIR TRANSPORT SERVICES LTD.	0	23	0	15	0	16
2	BEML LTD.	11	15	9	16	8	13
3	BHARAT BROADBAND NETWORK LTD.	5	1	5	1	0	1
4	BHARAT PETROLEUM CORPN. LTD.	10709	27	10082	27	9990	25
5	BHARAT SANCHAR NIGAM LTD.	187355	2009	185541	2167	183806	2314
6	BRIDGE & ROOF CO.(INDIA) LTD.	0	0	0	1	0	0
7	CENTRAL WAREHOUSING CORPN.	12	0	12	0	12	0
8	E. C. G. C. LTD.	0	1	0	1	0	1
9	ENGINEERING PROJECTS (INDIA) LTD.	12	7	12	8	12	5
10	FOOD CORPN. OF INDIA	4128	769	4001	816	3889	821
11	HINDUSTAN ANTIBIOTICS LTD.	0	1	0	0	0	0
12	HINDUSTAN PETROLEUM CORPN. LTD.	22770	76	20303	77	18323	75
13	HMT CHINAR WATCHES LTD.	0	0	0	0	1216	54
14	HOTEL CORPN. OF INDIA LTD.	2465	256	2467	281	2066	281
15	HOUSING & URBAN DEV. CORPN. LTD.	525	10	525	9	536	10
16	HSCC (INDIA) LTD.	0	0	0	2	0	1
17	I T I LTD.	867	139	857	1	855	174
18	INDIA TOURISM DEV. CORPN. LTD.	309	12	294	20	291	22
19	INDIAN OIL CORPORATION LTD.	47615	121	42893	138	38389	139
20	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	0	5	0	5	0	7
21	IRCON INFRASTRUCTURE & SERVICES LTD.	637	0	588	0	546	0
22	IRCON INTERNATIONAL LTD.	197	188	124	212	35	224
23	J & K MINERAL DEVELOPMENT CORPN. LTD.	3324	6	3231	5	2948	5
24	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	0	0	1	0	1
25	KONKAN RAILWAY CORPORATION LTD.	0	90	0	90	0	98
26	NATIONAL FERTILIZERS LTD.	4	0	4	3	0	0
27	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	1	2	1	3	1	3
28	NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPN. LTD.	9	9	0	0	0	0

Sl.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2015-16		2014-15		2013-14	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
29	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	6	33	6	42	6	49
30	NATIONAL SEEDS CORPN. LTD.	0	1	0	1	0	1
31	NATIONAL SMALL INDUSTRIES CORPN. LTD.	0	0	0	1	0	1
32	NBCC (INDIA) LTD.	3	15	1	15	1	29
33	NHPC LTD.	1953231	2582	1893688	2769	1827433	2939
34	NMDC Ltd.	0	2	0	2	0	0
35	NTPC LTD.	0	1	0	0	0	0
36	OIL & NATURAL GAS CORPORATION LTD.	6606	0	6606	0	6606	0
37	POWER GRID CORPORATION OF INDIA LTD.	313746	328	279016	323	254996	337
38	RAILTEL CORPORATION INDIA LTD.	0	1	0	1	0	1
39	rites LTD.	0	3	0	5	0	18
40	RURAL ELECTRIFICATION CORPN. LTD.	19	8	16	7	13	7
41	SJVN LTD.	0	8	0	8	0	8
42	STEEL AUTHORITY OF INDIA LTD.	888	14	564	13	876	15
43	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	39	5	3	10	0	1
44	THDC INDIA LTD.	0	1	0	0	0	0
45	WAPCOS LTD.	3	1	15	0	13	0
STATE TOTAL :		2555496	6770	2450864	7096	2352867	7696
JHARKHAND							
1	AIR INDIA AIR TRANSPORT SERVICES LTD.	4	3	0	11	0	9
2	AIR INDIA LTD.	0	0	0	1	0	1
3	BALMER LAWRIE & CO. LTD.	0	0	0	0	0	1
4	BEML LTD.	276	134	252	162	259	170
5	BHARAT BROADBAND NETWORK LTD.	17	2	6	2	0	1
6	BHARAT COKING COAL LTD.	590948	52616	558768	55039	521759	57095
7	BHARAT PETROLEUM CORPN. LTD.	16398	75	14528	77	13504	75
8	BHARAT SANCHAR NIGAM LTD.	343477	2413	270886	2561	265330	2700
9	BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LTD.	0	24	0	9	0	0
10	BRIDGE & ROOF CO.(INDIA) LTD.	845	12	302	11	363	28
11	BURN STANDARD COMPANY LTD.	167	0	167	0	167	0
12	CENTRAL COALFIELDS LTD.	653040	43681	604213	45011	562525	46686
13	CENTRAL MINE PLANNING & DESIGN INSTITUTE LTD.	16950	1486	13745	1504	13079	1360
14	CENTRAL RAILSIDE WAREHOUSE CO. LTD.	744	0	644	0	730	1
15	CENTRAL WAREHOUSING CORPN.	178	12	178	14	178	16
16	CONTAINER CORPORATION OF INDIA LTD.	588	3	588	6	588	0
17	DEOGHAR MEGA POWER LTD.	868	0	608	0	497	0
18	DREDGING CORPN. OF INDIA LTD.	0	2	0	3	0	4
19	EASTERN COALFIELDS LTD.	25429	9127	207658	9300	218419	9548
20	ENGINEERING PROJECTS (INDIA) LTD.	12	6	12	8	12	8
21	FERRO SCRAP NIGAM LTD.	2527	152	2738	159	3194	163
22	FERTILIZER CORPN. OF INDIA LTD.	46718	2	46717	3	46930	3
23	FOOD CORPN. OF INDIA	1785	1112	1581	1194	1232	1260
24	GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.	2637	74	1972	96	1949	117
25	HEAVY ENGINEERING CORPN. LTD.	39261	1534	38631	1742	37719	2015
26	HINDUSTAN ANTIBIOTICS LTD.	0	4	0	0	0	0
27	HINDUSTAN COPPER LTD.	29480	696	28400	759	26655	844
28	HINDUSTAN PETROLEUM CORPN. LTD.	45415	85	40720	81	35944	84
29	HINDUSTAN PREFAB LTD.	0	1	0	0	0	0
30	HINDUSTAN STEELWORKS COSTN. LTD.	3586	9	3197	22	3413	63
31	HOUSING & URBAN DEV. CORPN. LTD.	56	15	55	14	53	15
32	I T I LTD.	0	0	0	967	0	2
33	INDIA TOURISM DEV. CORPN. LTD.	0	0	1	2	1	3

Sl.No.	State / CPSE	(Gross Block : ₹ in Lakhs)		(Employment in Numbers)			
		2015-16		2014-15		2013-14	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
34	INDIAN OIL CORPORATION LTD.	113640	266	91033	259	81007	242
35	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	0	2	0	2	0	2
36	INSTRUMENTATION LTD.	0	0	0	1	0	1
37	IRCON INTERNATIONAL LTD.	47	25	46	30	41	28
38	JHARKHAND INFRAPOWER LTD.	1	0	0	0	0	0
39	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	15	0	11	0	12
40	KIOCL LTD.	0	0	0	2	0	8
41	M M T C LTD.	1128	32	0	35	0	40
42	MECON LTD.	9124	899	8329	979	7193	1072
43	MINERAL EXPLORATION CORPN. LTD.	1151	163	1621	238	3756	393
44	NATIONAL FERTILIZERS LTD.	2	0	2	2	0	0
45	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	1	2	1	1	1	1
46	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	43	90	28	109	30	116
47	NATIONAL SEEDS CORPN. LTD.	0	5	0	6	0	5
48	NATIONAL SMALL INDUSTRIES CORPN. LTD.	6	14	3	11	0	11
49	NBCC (INDIA) LTD.	23	60	22	51	22	78
50	NEYVELI UTTAR PRADESH POWER LTD	2	5	2	4	0	3
51	NMDC Ltd.	1	1	1	1	1	2
52	NTPC ELECTRIC SUPPLY COMPANY LTD.	0	0	30	5	40	6
53	NTPC LTD.	484908	191	335027	185	215869	160
54	OIL & NATURAL GAS CORPORATION LTD.	65841	128	64372	177	58707	225
55	OIL INDIA LTD.	0	16	0	16	0	15
56	PATRATU VIDYUT UTPADAN NIGAM LTD.	460	30	0	0	0	0
57	POWER GRID CORPORATION OF INDIA LTD.	497839	177	455845	184	404564	241
58	PROJECTS & DEVELOPMENT INDIA LTD.	2788	35	2779	37	2762	41
59	RAILTEL CORPORATION INDIA LTD.	0	5	0	3	0	3
60	RANCHI ASHOK BIHAR HOTEL CORPN. LTD.	279	38	271	42	270	43
61	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	1	4	1	0	1	4
62	RASHTRIYA ISPAT NIGAM LTD.	0	5	0	0	0	0
63	REC POWER DISTRIBUTION CO. LTD.	0	0	0	1	8	0
64	rites LTD.	12	19	12	19	12	32
65	RURAL ELECTRIFICATION CORPN. LTD.	26	5	23	5	21	5
66	SCOOTERS INDIA LTD.	0	0	0	1	0	1
67	SJVN LTD.	0	21	0	23	0	21
68	STEEL AUTHORITY OF INDIA LTD.	1757761	20250	1661106	21652	1577161	23114
69	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	0	2	0	4	0	4
70	URANIUM CORPORATION OF INDIA LTD.	170539	4238	164136	4259	163357	4221
71	WAPCOS LTD.	55	13	19	9	13	5
STATE TOTAL :		4927084	140036	4621276	147122	4269336	152427
KARNATAKA							
1	AIR INDIA AIR TRANSPORT SERVICES LTD.	0	2	0	13	0	13
2	AIR INDIA CHARTERS LTD.	0	82	0	70	0	0
3	AIR INDIA LTD.	0	0	116723	54	0	54
4	ANTRIX CORPORATION LTD.	1903	75	1882	74	1881	68
5	ARTIFICIAL LIMBS MFG. CORPN. OF INDIA	380	12	376	10	375	11
6	BALMER LAWRIE & CO. LTD.	350	22	340	21	355	24
7	BEL-THALES SYSTEMS LTD.	55	8	34	0	0	0
8	BEML LTD.	126656	7691	138614	8276	119019	8939
9	BHARAT BROADBAND NETWORK LTD.	2061	5	7	5	0	2
10	BHARAT ELECTRONICS LTD.	195688	5129	144851	4945	133130	4861
11	BHARAT HEAVY ELECTRICALS LTD.	50343	2992	48695	3171	47117	3358

Sl.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2015-16		2014-15		2013-14	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
12	BHARAT PETROLEUM CORPN. LTD.	113287	288	100799	290	92461	302
13	BHARAT SANCHAR NIGAM LTD.	1088487	15341	1083299	16580	1078179	17973
14	BRIDGE & ROOF CO.(INDIA) LTD.	85	7	227	7	259	17
15	BROADCAST ENGG. CONSULTANTS INDIA LTD.	10	5	2	0	0	4
16	CEMENT CORPN. OF INDIA LTD.	1708	1	1711	1	1711	1
17	CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.	144	11	143	12	142	14
18	CENTRAL ELECTRONICS LTD.	0	4	0	4	0	4
19	CENTRAL RAILSIDE WAREHOUSE CO. LTD.	2250	2	2476	2	2203	2
20	CENTRAL WAREHOUSING CORPN.	9971	163	8823	176	8669	145
21	COAL INDIA LTD.	4	9	3	9	3	10
22	COASTAL KARNATAKA POWER LTD.	440	0	387	0	338	0
23	CONTAINER CORPORATION OF INDIA LTD.	8533	44	8085	43	7897	42
24	COTTON CORPN. OF INDIA LTD.	38	32	32	31	32	26
25	DREDGING CORPN. OF INDIA LTD.	13	1	13	2	13	6
26	E. C. G. C. LTD.	652	26	653	25	650	27
27	ELECTRONICS CORPN. OF INDIA LTD.	79	43	78	49	81	67
28	ENGINEERING PROJECTS (INDIA) LTD.	27	7	27	7	27	10
29	ENGINEERS INDIA LTD.	0	40	0	82	0	123
30	FERRO SCRAP NIGAM LTD.	448	5	263	5	250	13
31	FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.	35	30	35	30	58	37
32	FOOD CORPN. OF INDIA	9680	1201	9232	1329	8903	1244
33	GAIL (INDIA) LTD.	342877	105	286731	82	275373	72
34	GAIL GAS LTD.	14377	27	73	0	0	1
35	GOA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	0	0	2	0	0
36	HINDUSTAN AERONAUTICS LTD.	511629	14546	264044	14864	230880	15162
37	HINDUSTAN ANTIBIOTICS LTD.	0	2	0	0	0	0
38	HINDUSTAN COPPER LTD.	37	6	36	6	36	4
39	HINDUSTAN PAPER CORPORATION LTD.	0	0	0	0	0	1
40	HINDUSTAN PETROLEUM CORPN. LTD.	274949	579	218002	591	179444	585
41	HINDUSTAN STEELWORKS COSTN. LTD.	7	2	8	3	8	5
42	HLL LIFECARE LTD.	13668	466	12683	478	10086	558
43	HMT (INTERNATIONAL) LTD.	734	32	832	38	835	51
44	HMT CHINAR WATCHES LTD.	1214	54	1214	54	0	0
45	HMT LTD.	1509	48	1502	59	1501	62
46	HMT MACHINE TOOLS LTD.	12334	585	11924	674	11924	777
47	HMT WATCHES LTD.	18826	1005	18826	1005	18871	1055
48	HOUSING & URBAN DEV. CORPN. LTD.	500	33	498	32	508	35
49	HSCC (INDIA) LTD.	0	2	8	1	0	1
50	I T I LTD.	226605	754	218879	506	219551	954
51	INDIA TOURISM DEV. CORPN. LTD.	377	24	368	37	284	48
52	INDIA TRADE PROMOTION ORGANISATION	12	4	11	4	11	4
53	INDIAN OIL CORPORATION LTD.	290094	723	277523	735	250498	747
54	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	86	43	86	43	49	49
55	IRCON INFRASTRUCTURE & SERVICES LTD.	546	0	546	0	546	0
56	IRCON INTERNATIONAL LTD.	295	10	291	14	346	16
57	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	6827	324	6270	354	5813	338
58	KARNATAKA TRADE PROMOTION ORGANISATION	2921	2	2912	2	1910	2
59	KIOCL LTD.	121274	902	119798	902	122125	888
60	KONKAN RAILWAY CORPORATION LTD.	133334	1167	132101	1108	134153	1077
61	KUMARAKRUPPA FRONTIER HOTELS LTD.	93	0	679	0	679	0
62	M M T C LTD.	7474	86	7467	105	7467	109
63	M S T C LTD.	43	22	44	21	42	23

Sl.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2015-16		2014-15		2013-14	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
64	MADRAS FERTILIZERS LTD.	46	35	46	38	46	38
65	MANGALORE REFINERY & PETROCHEMICALS LTD.	2267255	1775	2229802	1688	2078131	1683
66	MECON LTD.	4240	136	3997	163	3616	185
67	MINERAL EXPLORATION CORPN. LTD.	14	22	375	68	0	0
68	NATIONAL ALUMINIUM COMPANY LTD.	0	5	0	5	0	4
69	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	2	3	2	2	2	3
70	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	139	19	8	32	8	13
71	NATIONAL RESEARCH DEVELOPMENT CORPN.	0	3	0	3	0	3
72	NATIONAL SCHEDULED CASTES FINANCE & DEVP. CORPN.	1	3	1	3	2	3
73	NATIONAL SEEDS CORPN. LTD.	2820	101	1878	96	677	39
74	NATIONAL SMALL INDUSTRIES CORPN. LTD.	162	30	156	27	151	33
75	NATIONAL TEXTILE CORPN. LTD.	18766	390	18683	402	18615	441
76	NBCC (INDIA) LTD.	3	21	4	25	4	24
77	NLC INDIA LTD.	1	5	0	5	1	2
78	NMDC Ltd.	146716	1207	135334	1149	120604	1199
79	NORTH EASTERN HANDICRAFTS & HANDLOOM DEV. CORPN. LTD.	2	4	2	4	2	8
80	NTPC LTD.	1029405	261	731315	246	373910	198
81	NUCLEAR POWER CORPN. OF INDIA LTD.	584853	1536	579396	1556	578588	1601
82	OIL & NATURAL GAS CORPORATION LTD.	761	0	761	0	748	0
83	OIL INDIA LTD.	0	1	0	1	0	2
84	ONGC MANGALORE PETROCHEMICALS LTD.	722126	465	0	0	0	0
85	POWER GRID CORPORATION OF INDIA LTD.	438731	396	438731	406	377947	407
86	POWER SYSTEM OPERATION CORPORATION LTD.	2885	65	4350	63	3529	66
87	POWERGRID NM TRANSMISSION LTD.	0	6	0	0	0	0
88	PROJECTS & DEVELOPMENT INDIA LTD.	0	0	0	2	0	1
89	RAIL VIKAS NIGAM LTD.	76	17	0	17	0	14
90	RAILTEL CORPORATION INDIA LTD.	0	14	0	13	0	13
91	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	0	6	0	5	0	5
92	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	75	32	73	32	80	34
93	RASHTRIYA ISPAT NIGAM LTD.	485	10	485	10	477	10
94	REC POWER DISTRIBUTION CO. LTD.	4	0	1	0	5	0
95	rites LTD.	0	65	0	114	0	252
96	RURAL ELECTRIFICATION CORPN. LTD.	311	11	305	10	308	11
97	SCOOTERS INDIA LTD.	0	1	0	1	0	1
98	SJVN LTD.	0	2	0	2	0	2
99	STATE TRADING CORPN. OF INDIA LTD.	4987	15	4991	15	2909	18
100	STCL LTD.	558	13	572	14	560	25
101	STEEL AUTHORITY OF INDIA LTD.	41166	594	39241	694	40275	807
102	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	0	3	0	3	0	2
103	TUNGABHADRA STEEL PRODUCTS LTD.	2033	75	2033	75	2056	84
104	URANIUM CORPORATION OF INDIA LTD.	141	0	123	0	105	0
105	VIGNYAN INDUSTRIES LTD.	1694	95	1673	113	1657	247
106	WAPCOS LTD.	20	7	23	8	20	8
STATE TOTAL :		8866447	62280	7445527	64153	6581726	67507
KERALA							
1	AIR INDIA AIR TRANSPORT SERVICES LTD.	2276	53	0	679	0	589
2	AIR INDIA CHARTERS LTD.	0	359	0	368	0	0
3	AIR INDIA LTD.	0	0	116724	218	0	218
4	BALMER LAWRIE & CO. LTD.	16	6	15	6	14	6

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		2015-16		2014-15		2013-14	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
5	BEML LTD.	15346	290	24	303	15181	327
6	BHARAT BROADBAND NETWORK LTD.	14	2	6	2	0	1
7	BHARAT PETROLEUM CORPN. LTD.	2000229	2363	1394881	2220	960910	2196
8	BHARAT SANCHAR NIGAM LTD.	1157341	12510	1144504	13405	1144279	14020
9	BHEL ELECTRICAL MACHINES LTD.	1092	178	1100	175	1066	178
10	BPCL-KIAL FUEL PVT. LTD.	180	0	0	0	0	0
11	BRIDGE & ROOF CO.(INDIA) LTD.	1306	87	1320	10	387	14
12	CENTRAL WAREHOUSING CORPN.	5385	60	4854	65	4648	65
13	COCHIN SHIPYARD LTD.	68562	1671	64962	1786	60995	2450
14	CONTAINER CORPORATION OF INDIA LTD.	5875	7	3932	11	2936	0
15	DREDGING CORPN. OF INDIA LTD.	2	46	2	53	2	51
16	E. C. G. C. LTD.	245	12	241	11	207	9
17	ENGINEERING PROJECTS (INDIA) LTD.	8	4	8	5	8	6
18	ENGINEERS INDIA LTD.	0	148	0	122	0	71
19	FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.	149172	2307	149195	2490	148177	2745
20	FOOD CORPN. OF INDIA	10762	2332	10266	2356	9880	2268
21	GAIL (INDIA) LTD.	72487	31	142545	30	146916	29
22	GAIL GAS LTD.	0	0	0	9	0	1
23	HINDUSTAN AERONAUTICS LTD.	0	60	0	0	0	0
24	HINDUSTAN ANTIBIOTICS LTD.	3	5	3	5	3	8
25	HINDUSTAN INSECTICIDES LTD.	5978	210	5294	238	5028	230
26	HINDUSTAN NEWSPRINT LTD.	52172	563	48154	640	45787	702
27	HINDUSTAN ORGANIC CHEMICALS LTD.	28266	344	28253	376	28258	415
28	HINDUSTAN PAPER CORPORATION LTD.	0	0	0	0	0	1
29	HINDUSTAN PETROLEUM CORPN. LTD.	63596	192	58222	173	54435	176
30	HINDUSTAN PREFAB LTD.	0	4	0	2	0	5
31	HINDUSTAN SHIPYARD LTD.	0	0	0	1	0	0
32	HLL INFRA TECH SERVICES LTD.	0	293	0	0	0	0
33	HLL LIFECARE LTD.	34875	1153	31479	1111	29852	1733
34	HMT MACHINE TOOLS LTD.	5575	265	5572	302	5572	353
35	HOUSING & URBAN DEV. CORPN. LTD.	568	29	567	29	570	29
36	HSCC (INDIA) LTD.	0	1	0	1	0	1
37	I T I LTD.	21724	446	19142	5	19116	614
38	INDIAN OIL CORPORATION LTD.	215634	470	192926	481	179181	496
39	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	78	22	114	22	107	27
40	INDIAN RARE EARTHS LTD.	27880	595	27143	666	25988	704
41	INDIAN RENEWABLE ENERGY DEVT.AGENCY LTD.	1403	0	0	0	0	0
42	INSTRUMENTATION LTD.	2956	303	2843	315	2546	335
43	IRCON INFRASTRUCTURE & SERVICES LTD.	851	0	825	0	865	0
44	IRCON INTERNATIONAL LTD.	495	28	9	13	82	10
45	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	16	0	20	0	19
46	M M T C LTD.	0	0	0	7	0	7
47	M S T C LTD.	1	2	0	0	0	0
48	MADRAS FERTILIZERS LTD.	5	7	5	7	5	7
49	MANGALORE REFINERY & PETROCHEMICALS LTD.	574	0	574	0	574	0
50	MAZAGON DOCK SHIPBUILDERS LTD.	0	1	0	1	0	0
51	MECON LTD.	0	8	0	4	0	5
52	NATIONAL FILM DEV. CORPN. LTD.	0	0	0	4	0	3
53	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	12	11	13	11	12	9
54	NATIONAL SEEDS CORPN. LTD.	0	3	0	4	0	4
55	NATIONAL SMALL INDUSTRIES CORPN. LTD.	52	9	20	9	21	0

Sl.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2015-16		2014-15		2013-14	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
56	NATIONAL TEXTILE CORPN. LTD.	22639	1333	22752	1423	22317	1374
57	NBCC (INDIA) LTD.	0	16	0	7	0	3
58	NHPC LTD.	0	1	0	1	0	0
59	NTPC ELECTRIC SUPPLY COMPANY LTD.	0	0	2	2	2	3
60	NTPC LTD.	138026	138	135556	147	128438	146
61	OIL & NATURAL GAS CORPORATION LTD.	0	0	0	0	152779	0
62	OIL INDIA LTD.	0	10	0	10	0	20
63	PETRONET CCK LTD.	33953	40	0	0	0	0
64	POWER GRID CORPORATION OF INDIA LTD.	186360	82	186360	85	188141	99
65	RAILTEL CORPORATION INDIA LTD.	0	14	0	2	0	2
66	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	0	1	0	1	0	1
67	RASHTRIYA ISPAT NIGAM LTD.	33	9	33	10	24	10
68	rites INFRASTRUCTURE SERVICES LTD.	228	0	228	0	228	0
69	rites LTD.	0	4	0	3	0	2
70	RURAL ELECTRIFICATION CORPN. LTD.	237	9	235	6	234	7
71	SCOOTERS INDIA LTD.	0	0	0	1	0	1
72	SJVN LTD.	0	2	0	1	0	1
73	STATE TRADING CORPN. OF INDIA LTD.	115	27	0	24	0	22
74	STEEL AUTHORITY OF INDIA LTD.	807	9	806	7	806	8
75	WAPCOS LTD.	13	7	12	5	11	5
STATE TOTAL :		4335407	29208	3801721	30506	3386588	32841
LAKSHADWEEP							
1	AIR INDIA AIR TRANSPORT SERVICES LTD.	0	0	0	1	0	1
2	ARTIFICIAL LIMBS MFG. CORPN. OF INDIA	0	0	0	0	0	4
3	NATIONAL SMALL INDUSTRIES CORPN. LTD.	0	0	0	0	1	0
4	NBCC SERVICES LTD.	4	0	0	0	0	0
STATE TOTAL :		4	0	0	1	1	5
MADHYA PRADESH							
1	AIR INDIA AIR TRANSPORT SERVICES LTD.	24	14	0	16	0	14
2	ARTIFICIAL LIMBS MFG. CORPN. OF INDIA	242	12	237	8	236	8
3	BALMER LAWRIE & CO. LTD.	0	3	0	2	0	1
4	BEML LTD.	302	98	293	127	335	153
5	BENGAL CHEMICALS & PHARMACEUTICALS LTD.	0	0	0	0	1	3
6	BHARAT BROADBAND NETWORK LTD.	61	8	22	8	0	7
7	BHARAT HEAVY ELECTRICALS LTD.	142987	6351	139534	6652	133410	6983
8	BHARAT PETROLEUM CORPN. LTD.	201524	287	185968	291	168584	289
9	BHARAT SANCHAR NIGAM LTD.	623341	8148	618166	8559	614016	8864
10	BRIDGE & ROOF CO.(INDIA) LTD.	138	39	89	18	127	18
11	BURN STANDARD COMPANY LTD.	5058	0	5058	0	5058	0
12	CEMENT CORPN. OF INDIA LTD.	19749	1	19749	1	19749	1
13	CENTRAL MINE PLANNING & DESIGN INSTITUTE LTD.	1986	227	1297	224	853	190
14	CENTRAL RAILSIDE WAREHOUSE CO. LTD.	0	2	886	2	994	2
15	CENTRAL WAREHOUSING CORPN.	9402	232	8810	256	6306	249
16	CONTAINER CORPORATION OF INDIA LTD.	9747	34	4383	26	3790	24
17	COTTON CORPN. OF INDIA LTD.	172	44	167	46	164	50
18	DREDGING CORPN. OF INDIA LTD.	0	1	0	1	0	0
19	E. C. G. C. LTD.	25	8	26	6	26	5
20	ELECTRONICS CORPN. OF INDIA LTD.	0	0	1	1	0	1
21	ENGINEERING PROJECTS (INDIA) LTD.	0	6	0	5	0	5
22	ENGINEERS INDIA LTD.	0	23	0	38	0	45
23	FOOD CORPN. OF INDIA	4050	1590	3468	1744	3259	1961
24	GAIL (INDIA) LTD.	916182	570	896118	541	847330	487
25	GAIL GAS LTD.	7271	7	7153	6	6853	6

Sl.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2015-16		2014-15		2013-14	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
26	HINDUSTAN ANTIBIOTICS LTD.	2	13	2	9	2	13
27	HINDUSTAN COPPER LTD.	85713	594	77318	679	65757	764
28	HINDUSTAN PAPER CORPORATION LTD.	0	0	0	1	0	1
29	HINDUSTAN PETROLEUM CORPN. LTD.	73345	218	62254	221	56166	230
30	HINDUSTAN PREFAB LTD.	0	3	0	1	0	0
31	HINDUSTAN STEELWORKS COSTN. LTD.	10	0	3	1	2	1
32	HOUSING & URBAN DEV. CORPN. LTD.	333	22	333	25	325	27
33	I T I LTD.	0	9	277	17	0	12
34	INDIA TOURISM DEV. CORPN. LTD.	0	0	0	4	0	6
35	INDIAN DRUGS & PHARMACEUTICALS LTD.	217	0	0	0	0	0
36	INDIAN OIL CORPORATION LTD.	195111	557	174867	554	151588	571
37	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	101	15	101	15	84	17
38	INDIAN RAILWAY STATIONS DEVPT. CORPORATION LTD.	391	0	335	0	163	0
39	IRCON INFRASTRUCTURE & SERVICES LTD.	1575	0	1575	0	1525	0
40	IRCON INTERNATIONAL LTD.	2442	30	4	4	6	5
41	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	33	0	30	0	32
42	KONKAN RAILWAY CORPORATION LTD.	0	3	0	1	0	0
43	M M T C LTD.	0	0	0	0	0	1
44	M S T C LTD.	3	5	4	5	3	5
45	MADHYA PRADESH ASHOK HOTEL CORPN. LTD.	684	58	636	60	617	61
46	MECON LTD.	0	21	0	15	0	2
47	MINERAL EXPLORATION CORPN. LTD.	913	120	811	133	1674	153
48	MOIL LTD.	34078	3113	32853	3188	21553	3199
49	NATIONAL FERTILIZERS LTD.	229587	748	225527	837	223135	780
50	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	2	2	2	3	2	3
51	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	14	0	11	6	11	9
52	NATIONAL SCHEDULED TRIBES FINANCE & DEVP. CORPN.	1	3	1	3	1	3
53	NATIONAL SEEDS CORPN. LTD.	473	49	454	50	400	41
54	NATIONAL SMALL INDUSTRIES CORPN. LTD.	41	11	52	10	52	10
55	NATIONAL TEXTILE CORPN. LTD.	23875	236	23482	233	23197	261
56	NBCC (INDIA) LTD.	4	67	14	66	13	113
57	NEPA LTD.	15419	803	10305	626	10432	613
58	NHDC LTD.	768399	556	759248	533	755490	540
59	NHPC LTD.	0	90	0	98	0	105
60	NMDC Ltd.	7436	200	7383	193	7435	198
61	NORTHERN COALFIELDS LTD.	502236	9335	455015	9441	434924	9805
62	NTPC ELECTRIC SUPPLY COMPANY LTD.	0	0	0	0	6	0
63	NTPC LTD.	2381428	1741	1898123	1753	1571249	1765
64	OIL & NATURAL GAS CORPORATION LTD.	70286	0	71673	0	60245	0
65	OIL INDIA LTD.	29287	6	26815	7	0	5
66	P E C LTD.	0	0	0	0	0	2
67	POWER GRID CORPORATION OF INDIA LTD.	2298622	395	2081502	394	1882496	414
68	POWER GRID JABALPUR TRANSMISSION LTD.	2110	0	10	0	0	0
69	PRIZE PETROLEUM COMPANY LTD.	0	0	0	0	3	0
70	RAIL VIKAS NIGAM LTD.	93	33	0	25	0	27
71	RAILTEL CORPORATION INDIA LTD.	0	13	0	15	0	15
72	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	0	6	0	5	0	5
73	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	7	4	6	4	8	7
74	RASHTRIYA ISPAT NIGAM LTD.	23	3	23	3	22	4
75	REC POWER DISTRIBUTION CO. LTD.	0	0	2	0	2	0

Sl.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2015-16		2014-15		2013-14	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
76	BITES LTD.	0	23	0	25	0	52
77	RURAL ELECTRIFICATION CORPN. LTD.	443	12	435	13	432	12
78	SECURITY PRINTING & MINTING CORPN. INDIA LTD.	124780	2553	122352	2733	118084	2738
79	SJVN LTD.	0	23	0	23	0	24
80	SOUTH EASTERN COALFIELDS LTD.	171818	24261	156268	25696	137902	26989
81	STATE TRADING CORPN. OF INDIA LTD.	117	5	117	7	28	8
82	STCL LTD.	500	0	517	0	651	0
83	STEEL AUTHORITY OF INDIA LTD.	4643	219	4499	250	769	263
84	TCIL BINA TOLL ROAD LTD.	12071	0	12087	0	11474	0
85	TCIL LAKHNADONE TOLL ROAD LTD.	7695	0	5570	0	3491	0
86	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	3047	24	2975	32	3033	38
87	WAPCOS LTD.	16	11	14	8	13	8
88	WESTERN COALFIELDS LTD.	96605	14784	91828	15616	90229	16502
STATE TOTAL :		9088257	78735	8199108	82249	7445785	85825
MAHARASHTRA							
1	AIR INDIA AIR TRANSPORT SERVICES LTD.	21258	1432	0	1515	0	1181
2	AIR INDIA CHARTERS LTD.	0	187	475858	187	444317	277
3	AIR INDIA LTD.	0	0	566389	4989	604078	8814
4	AIRLINE ALLIED SERVICES LTD.	8	0	8	0	0	0
5	AIRPORTS AUTHORITY OF INDIA	400010	4228	395041	3250	389964	3450
6	ARTIFICIAL LIMBS MFG. CORPN. OF INDIA	0	2	0	3	0	3
7	BALMER LAWRIE & CO. LTD.	21743	154	15750	254	19826	277
8	BEL OPTRONICS DEVICES LTD.	32856	130	33004	133	32876	111
9	BEML LTD.	278	90	266	100	261	103
10	BENGAL CHEMICALS & PHARMACEUTICALS LTD.	1153	11	1152	14	1152	14
11	BHARAT BROADBAND NETWORK LTD.	42	3	16	5	0	5
12	BHARAT DYNAMICS LTD.	3927	0	3927	0	3927	0
13	BHARAT ELECTRONICS LTD.	12898	725	11585	724	9906	733
14	BHARAT HEAVY ELECTRICALS LTD.	39375	809	37457	809	37654	889
15	BHARAT PETRO RESOURCES LTD.	2160	47	1428	47	1071	32
16	BHARAT PETROLEUM CORPN. LTD.	2445474	5119	2200031	5185	1935169	5448
17	BHARAT PUMPS & COMPRESSORS LTD.	18	4	18	4	18	5
18	BHARAT SANCHAR NIGAM LTD.	1563243	19456	1894642	20751	1828800	21969
19	BRIDGE & ROOF CO.(INDIA) LTD.	382	131	568	17	836	19
20	CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.	78	30	99	29	92	28
21	CENTRAL MINE PLANNING & DESIGN INSTITUTE LTD.	2228	464	1460	455	1319	372
22	CENTRAL RAILSIDE WAREHOUSE CO. LTD.	5304	5	4012	5	3304	3
23	CENTRAL WAREHOUSING CORPN.	30351	440	30246	481	30196	550
24	CERTIFICATION ENGINEERS INTERNATIONAL LTD.	405	52	403	55	394	55
25	COAL INDIA LTD.	6	8	5	10	6	11
26	COASTAL MAHARASHTRA MEGA POWER LTD.	802	0	722	0	647	0
27	CONCOR AIR LTD.	3777	0	1851	0	800	15
28	CONTAINER CORPORATION OF INDIA LTD.	39086	168	36030	189	23174	184
29	COTTON CORPN. OF INDIA LTD.	7019	309	6868	315	6774	327
30	DEDICATED FRIGHT CORRIDOR CORP. OF INDIA LTD.	3764	40	3153	35	1371	28
31	DREDGING CORPN. OF INDIA LTD.	29	11	29	13	29	14
32	E. C. G. C. LTD.	14620	286	18287	297	17168	301
33	ELECTRONICS CORPN. OF INDIA LTD.	312	86	313	99	313	148
34	ENGINEERING PROJECTS (INDIA) LTD.	129	28	121	29	118	27
35	ENGINEERS INDIA LTD.	2623	81	2445	94	1798	93

Sl.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2015-16		2014-15		2013-14	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
36	FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.	15	0	15	2	10	0
37	FOOD CORPN. OF INDIA	10011	3141	9746	3323	9521	3317
38	GAIL (INDIA) LTD.	293014	221	278465	213	275362	261
39	GAIL GAS LTD.	0	0	216	1	215	0
40	GOA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	0	0	1	0	0
41	GOA SHIPYARD LTD.	0	0	15	5	15	6
42	HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	14	2	13	1	14	4
43	HINDUSTAN AERONAUTICS LTD.	223284	4978	50686	5033	47342	5223
44	HINDUSTAN ANTIBIOTICS LTD.	22493	911	22199	945	22138	990
45	HINDUSTAN COPPER LTD.	4313	124	4288	128	4192	127
46	HINDUSTAN INSECTICIDES LTD.	7947	602	7873	649	7804	661
47	HINDUSTAN ORGANIC CHEMICALS LTD.	36990	613	36793	665	42195	731
48	HINDUSTAN PAPER CORPORATION LTD.	0	0	8	3	9	3
49	HINDUSTAN PETROLEUM CORPN. LTD.	2323232	4278	2099227	4310	1921391	4377
50	HINDUSTAN SHIPYARD LTD.	0	0	0	2	0	2
51	HINDUSTAN STEELWORKS COSTN. LTD.	12	4	11	2	10	2
52	HLL LIFECARE LTD.	2514	20	2443	20	0	99
53	HMT LTD.	573	80	548	81	546	80
54	HOTEL CORPN. OF INDIA LTD.	916	211	927	325	976	325
55	HOUSING & URBAN DEV. CORPN. LTD.	868	30	868	30	865	30
56	HSCC (INDIA) LTD.	0	1	0	0	0	1
57	I T I LTD.	277	33	0	0	277	25
58	INDIA TOURISM DEV. CORPN. LTD.	11	9	10	10	10	16
59	INDIA TRADE PROMOTION ORGANISATION	30	17	30	18	30	19
60	INDIAN DRUGS & PHARMACEUTICALS LTD.	7	0	0	0	0	0
61	INDIAN OIL CORPORATION LTD.	304459	2453	286132	2508	299378	2635
62	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	3259	165	3004	165	2148	248
63	INDIAN RAILWAY STATIONS DEVPT. CORPORATION LTD.	158	0	129	0	129	0
64	INDIAN RARE EARTHS LTD.	617	82	591	101	575	101
65	INSTRUMENTATION LTD.	99	5	99	5	100	11
66	IRCON INTERNATIONAL LTD.	362	25	372	22	383	18
67	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	46	0	43	0	39
68	KONKAN RAILWAY CORPORATION LTD.	234814	2511	230287	2487	219701	2498
69	M M T C LTD.	1045	117	1043	122	1041	128
70	M S T C LTD.	208	33	208	30	206	28
71	MAHANAGAR TELEPHONE NIGAM LTD.	1281310	16193	1298729	17033	1253673	0
72	MANGALORE REFINERY & PETROCHEMICALS LTD.	17	5	23	8	62	10
73	MAZAGON DOCK SHIPBUILDERS LTD.	65194	8928	53219	8919	48658	8630
74	MECON LTD.	685	7	678	8	670	9
75	MILLENNIUM TELECOM LTD.	38	0	38	0	38	0
76	MINERAL EXPLORATION CORPN. LTD.	3739	369	3299	410	3517	403
77	MOIL LTD.	33054	3187	33454	3223	36314	3268
78	MUMBAI RAILWAY VIKAS CORPORATION LTD.	5458	213	5245	197	5218	186
79	NATIONAL ALUMINIUM COMPANY LTD.	4154	11	66	10	65	12
80	NATIONAL BACKWARD CLASSES FINANCE & DEVP.CO.	51	1	51	1	51	1
81	NATIONAL FERTILIZERS LTD.	22	0	22	9	11	0
82	NATIONAL FILM DEV. CORPN. LTD.	751	55	705	56	945	56
83	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	65	4	65	4	33	5
84	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	4	10	42	7	45	7

Sl.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2015-16		2014-15		2013-14	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
85	NATIONAL SCHEDULED CASTES FINANCE & DEVP. CORPN.	49	2	49	2	49	2
86	NATIONAL SEEDS CORPN. LTD.	885	49	884	50	863	44
87	NATIONAL SMALL INDUSTRIES CORPN. LTD.	186	47	176	52	171	55
88	NATIONAL TEXTILE CORPN. LTD.	46260	2865	47874	2945	48767	2929
89	NBCC (INDIA) LTD.	16	98	23	90	22	86
90	NEPA LTD.	0	3	0	3	0	2
91	NHPC LTD.	499	10	503	9	503	10
92	NLC INDIA LTD.	13	3	12	3	9	3
93	NMDC Ltd.	146	2	146	2	146	2
94	NTPC LTD.	1981290	759	1605752	711	1177064	697
95	NUCLEAR POWER CORPN. OF INDIA LTD.	822765	3503	929850	3548	803249	3588
96	NUMALIGARH REFINERY LTD.	3	0	3	0	3	0
97	OIL & NATURAL GAS CORPORATION LTD.	444713	6845	15010826	6789	13900481	6976
98	OIL INDIA LTD.	0	9	0	10	0	10
99	P E C LTD.	0	6	0	7	0	8
100	PAWAN HANS LTD.	104730	252	113282	257	113021	367
101	POWER FINANCE CORPORATION LTD.	0	2	0	2	0	2
102	POWER GRID CORPORATION OF INDIA LTD.	1854232	493	1632533	477	1299716	480
103	POWER SYSTEM OPERATION CORPORATION LTD.	2445	90	3651	88	3093	86
104	PROJECTS & DEVELOPMENT INDIA LTD.	0	0	12	10	10	12
105	RAIL VIKAS NIGAM LTD.	267	22	0	20	0	18
106	RAILTEL CORPORATION INDIA LTD.	31503	67	27385	67	23723	67
107	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	0	1	0	0	0	0
108	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	431836	3640	409903	3822	405939	3927
109	RASHTRIYA ISPAT NIGAM LTD.	2580	33	2451	33	1860	33
110	REC POWER DISTRIBUTION CO. LTD.	4	0	4	1	2	0
111	RICHARDSON & CRUDDAS(1972) LTD.	2715	16	2799	17	2595	22
112	rites LTD.	1656	172	1067	170	1034	171
113	RURAL ELECTRIFICATION CORPN. LTD.	187	14	182	15	181	16
114	SCOOTERS INDIA LTD.	0	3	0	2	0	2
115	SECURITY PRINTING & MINTING CORPN. INDIA LTD.	116997	5793	108830	6184	106788	6497
116	SHIPPING CORPORATION OF INDIA LTD.	1813861	629	1777253	622	1753020	663
117	SJVN LTD.	29731	5	29939	5	29691	5
118	STATE TRADING CORPN. OF INDIA LTD.	9858	85	9884	93	720	96
119	STEEL AUTHORITY OF INDIA LTD.	39298	651	34277	660	34442	754
120	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	17	8	17	9	17	6
121	THDC INDIA LTD.	17	2	18	2	18	4
122	WAPCOS LTD.	17	6	13	6	14	6
123	WESTERN COALFIELDS LTD.	536760	34271	441053	34441	405800	35969
STATE TOTAL :		17796978	144687	32365717	152452	29716252	143693
MANIPUR							
1	AIR INDIA AIR TRANSPORT SERVICES LTD.	4	10	0	15	0	14
2	BHARAT PETROLEUM CORPN. LTD.	552	1	323	1	98	0
3	ENGINEERING PROJECTS (INDIA) LTD.	0	1	1	1	0	1
4	HINDUSTAN PREFAB LTD.	0	2	0	1	0	5
5	HOUSING & URBAN DEV. CORPN. LTD.	1	3	1	3	1	3
6	HSCC (INDIA) LTD.	0	0	0	2	0	3
7	INDIAN OIL CORPORATION LTD.	25427	47	21087	49	13708	47
8	LOKTAK DOWNSTREAM HYDROELECTRIC CORPORATION LTD.	10536	30	9465	33	8319	38
9	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	0	2	0	2	0	2

Sl.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2015-16		2014-15		2013-14	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
10	NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPN. LTD.	8	9	0	0	0	0
11	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	52	17	170	26	178	38
12	NATIONAL SMALL INDUSTRIES CORPN. LTD.	0	2	0	2	0	1
13	NHPC LTD.	19504	367	18883	416	17934	458
14	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	1933	2	1861	3	1855	0
15	NORTH EASTERN REGIONAL AGRI. MARKETING CORP.LTD.	0	0	0	0	2	0
16	OIL INDIA LTD.	0	7	0	7	0	38
17	POWER GRID CORPORATION OF INDIA LTD.	35687	61	16711	65	9979	57
18	RAILTEL CORPORATION INDIA LTD.	0	3	0	4	0	4
19	MITES LTD.	0	4	0	3	0	0
20	SJVN LTD.	0	3	0	3	0	3
STATE TOTAL :		93704	571	68502	636	52074	712
MEGHALAYA							
1	BALMER LAWRIE & CO. LTD.	0	1	0	0	0	0
2	BHARAT BROADBAND NETWORK LTD.	5	1	5	1	0	1
3	COAL INDIA LTD.	487	18	487	18	487	18
4	ENGINEERING PROJECTS (INDIA) LTD.	0	0	0	2	0	2
5	FOOD CORPN. OF INDIA	5398	408	4867	422	3732	464
6	HINDUSTAN PETROLEUM CORPN. LTD.	1120	0	1023	0	862	0
7	HINDUSTAN PREFAB LTD.	0	1	0	4	0	7
8	HOUSING & URBAN DEV. CORPN. LTD.	15	3	20	4	24	4
9	HSCC (INDIA) LTD.	0	2	0	1	0	1
10	ITI LTD.	0	0	0	0	0	2
11	INDIAN OIL CORPORATION LTD.	169	0	169	0	1589	1
12	MINERAL EXPLORATION CORPN. LTD.	0	0	0	8	125	23
13	NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPN. LTD.	9	7	0	0	0	0
14	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	57	37	50	39	56	51
15	NATIONAL SMALL INDUSTRIES CORPN. LTD.	0	1	0	1	0	2
16	NBCC (INDIA) LTD.	0	15	0	13	0	24
17	NORTH EASTERN HANDICRAFTS & HANDLOOM DEV. CORPN. LTD.	12	6	12	6	9	6
18	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	5726	438	5016	458	3763	493
19	NORTH EASTERN REGIONAL AGRI. MARKETING CORP.LTD.	165	2	165	2	165	4
20	NUMALIGARH REFINERY LTD.	124	0	124	0	124	0
21	OIL & NATURAL GAS CORPORATION LTD.	2799	0	2799	0	2799	0
22	OIL INDIA LTD.	23	11	20	11	14	12
23	POWER GRID CORPORATION OF INDIA LTD.	15569	222	15569	228	14806	200
24	POWER SYSTEM OPERATION CORPORATION LTD.	3922	53	3295	49	2945	50
25	RAILTEL CORPORATION INDIA LTD.	0	3	0	2	0	2
26	MITES LTD.	0	8	0	2	0	7
27	RURAL ELECTRIFICATION CORPN. LTD.	21	6	16	7	18	7
28	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	0	3	0	0	0	0
29	URANIUM CORPORATION OF INDIA LTD.	886	3	852	3	775	0
30	WAPCOS LTD.	0	1	0	1	0	1
STATE TOTAL :		36507	1250	34489	1282	32293	1382
MIZORAM							
1	AIR INDIA AIR TRANSPORT SERVICES LTD.	2	0	0	4	0	4
2	ENGINEERING PROJECTS (INDIA) LTD.	0	6	5	6	0	6

Sl.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2015-16		2014-15		2013-14	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
3	HINDUSTAN PETROLEUM CORPN. LTD.	254	0	252	0	228	0
4	HINDUSTAN PREFAB LTD.	0	4	0	1	0	6
5	HOUSING & URBAN DEV. CORPN. LTD.	1	4	1	4	1	3
6	HSCC (INDIA) LTD.	0	2	0	1	0	1
7	INDIAN OIL CORPORATION LTD.	5367	18	4409	17	4148	16
8	IRCON INTERNATIONAL LTD.	5	4	5	4	4	3
9	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	0	1	0	0	0	0
10	NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPN. LTD.	0	1	0	0	0	0
11	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	0	16	0	11	0	26
12	NBCC (INDIA) LTD.	0	11	0	14	0	14
13	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	99483	100	78966	115	53532	124
14	NORTH EASTERN REGIONAL AGRI. MARKETING CORP.LTD.	1	1	1	1	1	0
15	NTPC LTD.	0	2	0	2	0	2
16	OIL & NATURAL GAS CORPORATION LTD.	16218	0	9882	0	8088	0
17	OIL INDIA LTD.	8139	7	11121	8	3464	7
18	POWER GRID CORPORATION OF INDIA LTD.	19147	37	19147	40	19147	35
19	RAILTEL CORPORATION INDIA LTD.	0	2	0	3	0	3
20	rites LTD.	0	0	0	0	0	1
STATE TOTAL :		148617	216	123789	231	88613	251
NAGALAND							
1	AIR INDIA AIR TRANSPORT SERVICES LTD.	4	4	0	7	0	5
2	BHARAT PETROLEUM CORPN. LTD.	363	1	32	0	0	0
3	CENTRAL WAREHOUSING CORPN.	65	7	65	7	65	6
4	ENGINEERING PROJECTS (INDIA) LTD.	4	0	0	0	4	0
5	FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.	3	0	3	0	0	0
6	FOOD CORPN. OF INDIA	6398	348	5349	368	4817	363
7	HINDUSTAN PETROLEUM CORPN. LTD.	157	0	157	0	157	0
8	HINDUSTAN PREFAB LTD.	0	1	0	1	0	5
9	HOUSING & URBAN DEV. CORPN. LTD.	52	12	56	12	56	13
10	INDIAN OIL CORPORATION LTD.	7282	24	6115	25	6212	23
11	NAGALAND PULP & PAPER COMPANY LTD.	0	0	10582	183	8538	220
12	NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPN. LTD.	21	7	0	0	0	0
13	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	0	14	0	15	0	19
14	NATIONAL SMALL INDUSTRIES CORPN. LTD.	0	0	0	1	0	1
15	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	76824	215	76481	225	75511	222
16	NORTH EASTERN REGIONAL AGRI. MARKETING CORP.LTD.	1	2	1	2	1	1
17	OIL & NATURAL GAS CORPORATION LTD.	13548	0	13548	0	13548	0
18	OIL INDIA LTD.	0	9	0	9	0	9
19	POWER GRID CORPORATION OF INDIA LTD.	19463	55	13400	52	8815	54
20	RAILTEL CORPORATION INDIA LTD.	0	2	0	0	0	0
21	rites LTD.	0	0	0	0	0	3
STATE TOTAL :		124185	701	125789	907	117724	944
ORISSA							
1	AIR INDIA AIR TRANSPORT SERVICES LTD.	5	9	0	17	0	12
2	ARTIFICIAL LIMBS MFG. CORPN. OF INDIA	325	12	324	13	323	12
3	BALMER LAWRIE & CO. LTD.	13	3	13	5	11	5
4	BEML LTD.	114	48	108	64	89	68
5	BENGAL CHEMICALS & PHARMACEUTICALS	0	3	1	3	2	3

Sl.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2015-16		2014-15		2013-14	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
	LTD.						
6	BHARAT BROADBAND NETWORK LTD.	10	2	7	2	0	1
7	BHARAT PETROLEUM CORPN. LTD.	47182	141	42773	147	38388	155
8	BHARAT SANCHAR NIGAM LTD.	395519	3618	390837	3829	369329	4101
9	BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LTD.	0	9	0	0	0	3
10	BRIDGE & ROOF CO.(INDIA) LTD.	3287	73	3682	25	3437	25
11	CENTRAL MINE PLANNING & DESIGN INSTITUTE LTD.	2939	411	2309	414	2071	365
12	CENTRAL WAREHOUSING CORPN.	10270	143	9974	143	9367	142
13	CONTAINER CORPORATION OF INDIA LTD.	6372	11	2834	4	1662	7
14	COTTON CORPN. OF INDIA LTD.	21	22	20	25	15	22
15	DREDGING CORPN. OF INDIA LTD.	4	2	4	3	4	10
16	E. C. G. C. LTD.	22	4	22	4	22	4
17	ELECTRONICS CORPN. OF INDIA LTD.	0	0	3	0	0	0
18	ENGINEERING PROJECTS (INDIA) LTD.	0	3	0	1	0	1
19	ENGINEERS INDIA LTD.	0	19	0	24	0	31
20	FERRO SCRAP NIGAM LTD.	4570	167	4550	184	4194	192
21	FERTILIZER CORPN. OF INDIA LTD.	7702	2	7701	3	29197	3
22	FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.	3	0	3	0	3	0
23	FOOD CORPN. OF INDIA	6196	2217	5838	2306	5529	2405
24	GHOARPALLI INTEGRATED POWER COMPANY LTD.	494	0	435	0	356	0
25	HINDUSTAN AERONAUTICS LTD.	340700	3622	95194	3704	90393	3845
26	HINDUSTAN ANTIBIOTICS LTD.	0	3	0	0	0	0
27	HINDUSTAN PETROLEUM CORPN. LTD.	47860	106	43425	113	40282	119
28	HINDUSTAN PREFAB LTD.	0	2	0	1	0	1
29	HINDUSTAN STEELWORKS COSTN. LTD.	290	3	520	4	465	8
30	HLL LIFECARE LTD.	117	5	55	6	67	18
31	HOUSING & URBAN DEV. CORPN. LTD.	359	18	371	19	392	19
32	HSCC (INDIA) LTD.	0	3	0	3	0	2
33	I T I LTD.	3	0	3	8	3	10
34	INDIA TOURISM DEV. CORPN. LTD.	421	34	383	43	366	53
35	INDIAN OIL CORPORATION LTD.	4538621	1294	3912803	1187	3392534	1065
36	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	58	62	87	62	87	72
37	INDIAN RARE EARTHS LTD.	29326	815	29960	876	27804	912
38	IRCON INTERNATIONAL LTD.	4	4	0	1	0	0
39	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	12	0	0	0	14
40	KIOCL LTD.	0	11	0	11	6	10
41	M M T C LTD.	1849	136	1822	148	1819	159
42	M S T C LTD.	3	1	4	0	0	0
43	MAHANADI BASIN POWER LTD.	1538	10	1257	10	983	9
44	MAHANADI COALFIELDLS LTD.	739961	22378	677349	22240	596529	22259
45	MECON LTD.	186	27	169	30	155	31
46	MINERAL EXPLORATION CORPN. LTD.	462	56	0	6	3	3
47	MJSJ COAL LTD.	7967	0	3518	18	7630	18
48	MNH SHAKTI LTD.	5124	2	5171	16	5214	16
49	NAGALAND PULP & PAPER COMPANY LTD.	12295	181	0	0	0	0
50	NATIONAL ALUMINIUM COMPANY LTD.	1538178	6973	1516345	7192	1495657	7289
51	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	1	6	1	3	1	2
52	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	12	14	7	16	8	18
53	NATIONAL SCHEDULED TRIBES FINANCE & DEVP. CORPN.	1	2	1	2	1	2

Sl.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2015-16		2014-15		2013-14	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
54	NATIONAL SEEDS CORPN. LTD.	0	5	0	6	0	6
55	NATIONAL SMALL INDUSTRIES CORPN. LTD.	2543	20	660	20	30	18
56	NATIONAL TEXTILE CORPN. LTD.	0	0	303	49	302	8
57	NBCC (INDIA) LTD.	7	72	1	74	0	39
58	NHPC LTD.	0	0	0	0	147	31
59	NMDC Ltd.	8	4	7	3	7	3
60	NTPC ELECTRIC SUPPLY COMPANY LTD.	0	0	50	13	59	14
61	NTPC LTD.	1402675	1938	1126158	2012	1048428	2110
62	NUMALIGARH REFINERY LTD.	1	0	20	0	5	0
63	ODISHA INFRAPOWER LTD.	16	0	11	0	0	0
64	OIL & NATURAL GAS CORPORATION LTD.	673	0	673	0	442836	0
65	OIL INDIA LTD.	25980	70	329	72	981	90
66	ORISSA DRUGS & CHEMICALS LTD.	590	61	584	61	519	64
67	ORISSA INTEGRATED POWER LTD.	25371	0	21377	0	18037	0
68	ORISSA MINERAL DEVELOPMENT COMPANY LTD.	15375	459	15829	564	14789	588
69	POWER GRID CORPORATION OF INDIA LTD.	799446	347	719033	352	576967	420
70	RAIL VIKAS NIGAM LTD.	349	37	0	35	0	34
71	RAILTEL CORPORATION INDIA LTD.	0	11	0	8	0	8
72	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	17	0	17	0	17	2
73	RASHTRIYA ISPAT NIGAM LTD.	86	8	86	8	84	8
74	REC POWER DISTRIBUTION CO. LTD.	0	0	0	0	9	0
75	rites LTD.	730	76	194	81	179	107
76	RURAL ELECTRIFICATION CORPN. LTD.	194	13	187	13	186	17
77	SAKHIGOPAL INTEGRATED POWER COMPANY LTD.	575	0	502	0	411	0
78	SJVN LTD.	0	15	0	14	0	15
79	STEEL AUTHORITY OF INDIA LTD.	2267167	17650	2161437	18181	2001421	18886
80	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	8	2	6	4	7	4
81	THE BISRA STONE LIME COMPANY LTD.	1702	763	1846	784	1988	978
82	THE JUTE CORPN. OF INDIA LTD.	2	23	2	31	2	28
83	UTKAL ASHOK HOTEL CORPN. LTD.	288	0	288	23	288	23
84	WAPCOS LTD.	180	14	102	8	7	5
STATE TOTAL :		12294367	64287	10809585	65351	10232104	67027
OTHERS AND UNALLOCATED							
1	AIR INDIA AIR TRANSPORT SERVICES LTD.	0	0	30844	2338	0	0
2	AIR INDIA CHARTERS LTD.	0	0	0	0	21622	0
3	AIRPORTS AUTHORITY OF INDIA	108052	1749	77496	0	0	0
4	BALMER LAWRIE & CO. LTD.	0	0	0	0	0	3
5	BENGAL CHEMICALS & PHARMACEUTICALS LTD.	0	0	0	0	10971	0
6	BHARAT BROADBAND NETWORK LTD.	116370	0	14012	0	0	0
7	BHARAT HEAVY ELECTRICALS LTD.	0	0	0	0	207461	6274
8	BHARAT PETRO RESOURCES LTD.	4081	0	6774	0	5911	0
9	BHARAT PETROLEUM CORPN. LTD.	0	6	0	4	0	4
10	BHARAT PUMPS & COMPRESSORS LTD.	23	0	0	0	0	0
11	BHARAT SANCHAR NIGAM LTD.	1633849	18875	286380	20106	299216	22724
12	BRIDGE & ROOF CO.(INDIA) LTD.	5822	0	1458	0	74	0
13	BURN STANDARD COMPANY LTD.	176	0	0	0	0	0
14	CENTRAL RAILSIDE WAREHOUSE CO. LTD.	0	0	101	0	35	0
15	COASTAL TAMIL NADU POWER LTD.	5	0	0	0	0	0
16	CONTAINER CORPORATION OF INDIA LTD.	317933	0	297334	0	267560	0
17	ENGINEERING PROJECTS (INDIA) LTD.	70	19	28	20	20	12
18	ENGINEERS INDIA LTD.	945	173	515	190	116	171
19	GAIL (INDIA) LTD.	122482	7	129842	8	129431	8

Sl.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2015-16		2014-15		2013-14	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
20	HINDUSTAN CABLES LTD.	0	0	0	0	265	0
21	HINDUSTAN PETROLEUM CORPN. LTD.	33676	0	30652	0	7246	0
22	HINDUSTAN SALTS LTD.	4	0	0	0	0	0
23	HOOGLHY PRINTING COMPANY LTD.	0	0	0	0	308	0
24	HOTEL CORPN. OF INDIA LTD.	36	0	0	0	12	0
25	HPCL RAJASTHAN REFINERY LTD.	2769	0	0	0	0	0
26	HSCC (INDIA) LTD.	0	0	0	1	0	2
27	INDIAN DRUGS & PHARMACEUTICALS LTD.	0	0	1183	25	0	0
28	INDIAN OIL CORPORATION LTD.	22490	0	22661	0	19755	0
29	INDIAN RAILWAY STATIONS DEVPT. CORPORATION LTD.	832	0	507	0	216	0
30	IRCON INFRASTRUCTURE & SERVICES LTD.	1266	14	1267	9	1267	0
31	IRCON INTERNATIONAL LTD.	24883	159	28849	225	29749	285
32	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	0	0	6	0	7
33	MAHANAGAR TELEPHONE NIGAM LTD.	0	0	0	0	38257	0
34	MECON LTD.	0	0	0	1	0	11
35	NATIONAL FERTILIZERS LTD.	0	357	0	0	995	389
36	NATIONAL INFORMATICS CENTRE SERVICES INCORPORATED	8737	0	8048	0	0	0
37	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	0	0	0	0	0	2
38	NATIONAL SMALL INDUSTRIES CORPN. LTD.	0	1	0	1	0	6
39	NBCC (INDIA) LTD.	0	2	0	1	0	1
40	NHPC LTD.	0	9	0	6	0	6
41	NMDC Ltd.	42	8	42	5	41	3
42	NORTH EASTERN REGIONAL AGRI. MARKETING CORP.LTD.	266	0	266	0	240	0
43	NTPC LTD.	0	2	0	7	0	0
44	NUMALIGARH REFINERY LTD.	73	0	461	0	848	0
45	OIL & NATURAL GAS CORPORATION LTD.	17147237	0	6019485	0	2593349	0
46	OIL INDIA LTD.	36802	75	30400	75	14956	75
47	ONGC VIDESH LTD.	12400295	1884	11572338	1881	10839766	2169
48	POWER GRID CORPORATION OF INDIA LTD.	30	8	27	11	27	13
49	rites LTD.	0	31	0	38	0	199
50	SHIPPING CORPORATION OF INDIA LTD.	47	2	52	3	52	0
51	SJVN LTD.	2	7	8	9	0	12
52	STEEL AUTHORITY OF INDIA LTD.	0	1	0	2	0	1
53	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	3749	223	3789	248	3997	280
54	THDC INDIA LTD.	0	0	0	0	19	6
55	WAPCOS LTD.	142	111	84	98	72	96
56	WESTERN COALFIELDS LTD.	0	7	0	14	0	13
STATE TOTAL :		31993186	23730	18564903	25332	14493854	32772
PONDICHERRY							
1	CENTRAL WAREHOUSING CORPN.	38	2	38	2	38	2
2	GAIL (INDIA) LTD.	15206	30	14749	25	14730	22
3	HINDUSTAN PETROLEUM CORPN. LTD.	7	0	7	0	7	0
4	HOUSING & URBAN DEV. CORPN. LTD.	1	8	1	9	1	9
5	INDIA TOURISM DEV. CORPN. LTD.	0	0	0	3	0	4
6	INDIAN OIL CORPORATION LTD.	17038	20	15849	19	5497	21
7	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	0	0	1	0	0
8	NATIONAL SMALL INDUSTRIES CORPN. LTD.	37	6	36	5	36	5
9	NATIONAL TEXTILE CORPN. LTD.	3468	248	3447	253	3444	258
10	OIL & NATURAL GAS CORPORATION LTD.	0	1497	0	1288	0	1469
11	PONDICHERRY ASHOK HOTEL CORPN. LTD.	374	19	367	19	368	20

Sl.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2015-16		2014-15		2013-14	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
12	POWER GRID CORPORATION OF INDIA LTD.	4898	16	4456	20	4218	22
13	RAILTEL CORPORATION INDIA LTD.	0	1	0	0	0	0
14	BITES LTD.	0	1	0	2	0	12
STATE TOTAL :		41067	1848	38950	1646	28339	1844
	PUNJAB						
1	AIR INDIA AIR TRANSPORT SERVICES LTD.	62	8	0	79	0	88
2	AIR INDIA LTD.	0	0	0	10	0	10
3	AIRLINE ALLIED SERVICES LTD.	3	0	3	0	0	0
4	ARTIFICIAL LIMBS MFG. CORPN. OF INDIA	273	6	273	5	270	4
5	BALMER LAWRIE & CO. LTD.	0	3	0	1	0	2
6	BHARAT BROADBAND NETWORK LTD.	18	1	16	2	0	3
7	BHARAT HEAVY ELECTRICALS LTD.	3980	260	3747	267	3541	274
8	BHARAT PETROLEUM CORPN. LTD.	62086	207	55571	208	49186	219
9	BHARAT SANCHAR NIGAM LTD.	732019	7676	734786	8156	729113	8669
10	BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LTD.	0	18	0	0	0	0
11	BRIDGE & ROOF CO.(INDIA) LTD.	11	9	421	4	445	11
12	BRITISH INDIA CORPORATION LTD.	1940	509	1999	592	394	400
13	CENTRAL WAREHOUSING CORPN.	8274	186	8200	201	7437	192
14	COAL INDIA LTD.	22	14	0	0	0	0
15	CONTAINER CORPORATION OF INDIA LTD.	8919	45	7415	44	5978	43
16	COTTON CORPN. OF INDIA LTD.	212	64	215	69	216	65
17	DEDICATED FRIGHT CORRIDOR CORP. OF INDIA LTD.	5077	3	1551	0	901	3
18	DREDGING CORPN. OF INDIA LTD.	0	4	0	5	0	4
19	E. C. G. C. LTD.	148	12	149	13	149	13
20	ELECTRONICS CORPN. OF INDIA LTD.	0	0	0	0	1	0
21	ENGINEERS INDIA LTD.	0	3	0	0	0	0
22	FOOD CORPN. OF INDIA	18412	15599	16728	16767	15880	17103
23	GAIL (INDIA) LTD.	2610	16	2206	10	701	7
24	GAIL GAS LTD.	0	1	0	1	0	0
25	HINDUSTAN ANTIBIOTICS LTD.	0	5	0	0	0	0
26	HINDUSTAN INSECTICIDES LTD.	1544	179	1577	191	1516	196
27	HINDUSTAN PETROLEUM CORPN. LTD.	126138	143	118731	152	114790	159
28	HINDUSTAN PREFAB LTD.	0	2	0	0	0	0
29	HLL LIFECARE LTD.	1	0	0	0	0	0
30	HMT LTD.	146	7	150	6	146	12
31	HSCC (INDIA) LTD.	0	4	0	4	0	3
32	I T I LTD.	0	14	0	2	0	22
33	INDIAN OIL CORPORATION LTD.	200376	491	191020	510	170688	549
34	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	0	15	0	15	0	16
35	INSTRUMENTATION LTD.	0	1	4	1	0	2
36	IRCON INTERNATIONAL LTD.	0	0	1	0	93	0
37	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	9	0	14	0	11
38	M M T C LTD.	0	6	0	0	0	5
39	NATIONAL FERTILIZERS LTD.	337406	1762	336821	1929	332805	2041
40	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	1	2	1	2	2	2
41	NATIONAL SEEDS CORPN. LTD.	0	10	0	12	82	15
42	NATIONAL SMALL INDUSTRIES CORPN. LTD.	201	34	174	29	152	32
43	NATIONAL TEXTILE CORPN. LTD.	564	6	564	10	564	19
44	NBCC (INDIA) LTD.	0	6	2	12	2	6
45	NHPC LTD.	0	64	0	86	756	97
46	NUMALIGARH REFINERY LTD.	96	0	96	0	102	0
47	OIL & NATURAL GAS CORPORATION LTD.	1830	0	180	0	172	0

Sl.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2015-16		2014-15		2013-14	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
48	OIL INDIA LTD.	0	17	0	19	0	5
49	POWER GRID CORPORATION OF INDIA LTD.	464335	150	447938	176	338004	202
50	PUNJAB LOGISTIC INFRASTRUCTURE LTD.	15422	0	10245	0	0	0
51	RAILTEL CORPORATION INDIA LTD.	0	5	0	3	0	3
52	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	11	9	11	9	14	6
53	RASHTRIYA ISPAT NIGAM LTD.	206	10	83	10	82	10
54	rites LTD.	0	8	0	13	0	14
55	SCOOTERS INDIA LTD.	0	0	0	1	0	1
56	SJVN LTD.	0	18	0	19	0	21
57	STATE TRADING CORPN. OF INDIA LTD.	1	9	0	8	0	8
58	STEEL AUTHORITY OF INDIA LTD.	545	45	545	44	999	48
59	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	7800	40	7935	36	7716	32
STATE TOTAL :		2000689	27715	1949358	29747	1782897	30647
RAJASTHAN							
1	AIR INDIA AIR TRANSPORT SERVICES LTD.	0	22	0	35	0	19
2	AIR INDIA LTD.	0	0	116723	20	0	20
3	BEML LTD.	11	29	11	39	10	37
4	BENGAL CHEMICALS & PHARMACEUTICALS LTD.	2	2	1	2	2	2
5	BHARAT BROADBAND NETWORK LTD.	430	6	18	6	0	5
6	BHARAT PETRO RESOURCES LTD.	1212	0	2117	0	2103	0
7	BHARAT PETROLEUM CORPN. LTD.	101994	317	111242	302	85539	321
8	BHARAT SANCHAR NIGAM LTD.	726507	9239	732913	9753	741678	10054
9	BRIDGE & ROOF CO.(INDIA) LTD.	0	4	4	4	4	14
10	CENTRAL WAREHOUSING CORPN.	11813	126	11473	133	9999	134
11	COAL INDIA LTD.	3	6	2	5	2	9
12	CONTAINER CORPORATION OF INDIA LTD.	35637	48	29127	41	19180	31
13	COTTON CORPN. OF INDIA LTD.	164	61	154	65	150	71
14	DEDICATED FRIGHT CORRIDOR CORP. OF INDIA LTD.	139459	90	28233	77	2122	67
15	DREDGING CORPN. OF INDIA LTD.	0	2	0	3	0	5
16	E. C. G. C. LTD.	114	10	116	12	116	12
17	ELECTRONICS CORPN. OF INDIA LTD.	0	0	1	0	1	0
18	ENGINEERING PROJECTS (INDIA) LTD.	436	3	435	5	435	3
19	ENGINEERS INDIA LTD.	0	10	0	9	0	17
20	FCI ARAVALI GYPSUM & MINERALS (INDIA) LTD.	1590	48	1015	55	985	68
21	FOOD CORPN. OF INDIA	7265	2590	6609	2747	6463	2550
22	GAIL (INDIA) LTD.	134547	164	131035	152	130409	137
23	GAIL GAS LTD.	7576	13	7454	8	7269	5
24	HINDUSTAN ANTIBIOTICS LTD.	2	12	2	12	2	13
25	HINDUSTAN COPPER LTD.	63912	1676	59415	1964	53686	2226
26	HINDUSTAN PAPER CORPORATION LTD.	0	0	0	1	5	2
27	HINDUSTAN PETROLEUM CORPN. LTD.	183972	227	167733	224	153224	238
28	HINDUSTAN SALTS LTD.	183	28	182	38	164	44
29	HMT MACHINE TOOLS LTD.	3231	150	3231	187	3231	224
30	HOUSING & URBAN DEV. CORPN. LTD.	732	22	725	24	705	23
31	HPCL RAJASTHAN REFINERY LTD.	0	0	2760	0	2029	0
32	I T I LTD.	0	27	0	11	0	40
33	INDIA TOURISM DEV. CORPN. LTD.	624	34	505	43	494	60
34	INDIAN OIL CORPORATION LTD.	464556	949	411884	925	323630	912
35	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	116	33	65	33	64	38
36	INSTRUMENTATION LTD.	5671	492	5496	616	5487	730
37	IRCON INFRASTRUCTURE & SERVICES LTD.	908	0	908	0	908	0

Sl.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2015-16		2014-15		2013-14	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
38	IRCON INTERNATIONAL LTD.	3905	68	52	48	58	50
39	IRCON PB TOLLWAY LTD.	4588	9	0	0	0	0
40	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	18	0	9	0	19
41	M M T C LTD.	148	21	149	25	147	27
42	MECON LTD.	0	0	0	1	0	0
43	MINERAL EXPLORATION CORPN. LTD.	1077	118	857	110	851	140
44	NATIONAL ALUMINIUM COMPANY LTD.	35470	0	28375	0	28378	0
45	NATIONAL FERTILIZERS LTD.	14	0	14	12	0	0
46	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	0	1	0	1	1	1
47	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	2	3	2	4	2	4
48	NATIONAL SEEDS CORPN. LTD.	12624	643	10995	693	833	56
49	NATIONAL SMALL INDUSTRIES CORPN. LTD.	86	25	79	23	75	23
50	NATIONAL TEXTILE CORPN. LTD.	625	69	625	75	625	87
51	NBCC (INDIA) LTD.	32	39	2	40	2	32
52	NHPC LTD.	30624	4	0	0	0	0
53	NLC INDIA LTD.	196740	402	196171	379	195646	362
54	NTPC LTD.	107455	193	106019	208	102040	220
55	NUCLEAR POWER CORPN. OF INDIA LTD.	1103464	2423	876726	2504	715526	2592
56	NUMALIGARH REFINERY LTD.	0	0	8	0	0	0
57	OIL & NATURAL GAS CORPORATION LTD.	110525	180	98589	169	84159	185
58	OIL INDIA LTD.	98824	109	85779	110	87423	110
59	P E C LTD.	0	2	0	5	0	6
60	POWER GRID CORPORATION OF INDIA LTD.	808914	233	685656	238	624077	249
61	RAIL VIKAS NIGAM LTD.	44	15	0	13	0	11
62	RAILTEL CORPORATION INDIA LTD.	0	9	0	6	0	6
63	RAILWAY ENERGY MANAGEMENT COMPANY LTD.	15328	0	1452	0	29	0
64	RAJASTHAN DRUGS & PHARMACEUTICALS LTD.	2261	160	0	0	2220	183
65	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	3462	186	3426	194	3339	185
66	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	6	3	7	3	7	4
67	RASHTRIYA ISPAT NIGAM LTD.	122	12	31	11	30	9
68	REC POWER DISTRIBUTION CO. LTD.	5	0	5	1	6	0
69	RITES LTD.	0	14	0	10	0	23
70	RURAL ELECTRIFICATION CORPN. LTD.	327	19	318	18	317	18
71	SAMBHAR SALTS LTD.	3381	107	3229	118	3364	115
72	SCOOTERS INDIA LTD.	0	1	0	1	0	1
73	SJVN LTD.	0	26	0	26	0	26
74	SOLAR ENERGY CORPORATION OF INDIA	6038	0	0	0	0	0
75	STEEL AUTHORITY OF INDIA LTD.	875	29	657	29	656	32
76	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	46	29	21	20	20	19
77	URANIUM CORPORATION OF INDIA LTD.	6	1	5	0	5	0
78	WAPCOS LTD.	58	14	39	17	43	17
STATE TOTAL :		4439743	21625	3930877	22672	3399975	22943
SIKKIM							
1	BHARAT PETROLEUM CORPN. LTD.	96	0	96	0	91	0
2	ENGINEERING PROJECTS (INDIA) LTD.	0	0	0	1	0	1
3	HINDUSTAN PETROLEUM CORPN. LTD.	161	0	141	0	122	0
4	HOUSING & URBAN DEV. CORPN. LTD.	0	3	0	3	0	3
5	INDIAN OIL CORPORATION LTD.	9359	22	8413	21	7735	22
6	IRCON INTERNATIONAL LTD.	0	0	0	0	0	20
7	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	0	0	15	0	0

Sl.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2015-16		2014-15		2013-14	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
8	NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPN. LTD.	15	8	0	0	0	0
9	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	0	0	1	0	1	0
10	NBCC (INDIA) LTD.	1	9	0	8	0	18
11	NHPC LTD.	355924	480	351099	525	350893	528
12	NORTH EASTERN REGIONAL AGRI. MARKETING CORP.LTD.	5	5	5	5	5	2
13	NTPC LTD.	11254	0	8200	0	7370	0
14	POWER GRID CORPORATION OF INDIA LTD.	75326	25	75326	28	61435	31
15	WAPCOS LTD.	0	1	0	0	0	0
STATE TOTAL :		452141	553	443281	606	427652	625
TAMILNADU							
1	AIR INDIA AIR TRANSPORT SERVICES LTD.	3701	245	0	636	0	520
2	AIR INDIA CHARTERS LTD.	0	55	0	75	0	0
3	AIR INDIA LTD.	0	0	587663	1836	635352	2507
4	AIRLINE ALLIED SERVICES LTD.	14	0	14	0	0	0
5	AIRPORTS AUTHORITY OF INDIA	677025	3400	676015	3413	667547	3564
6	ANDREW YULE & COMPANY LTD.	745	121	730	103	705	102
7	BALMER LAWRIE & CO. LTD.	10609	246	16155	243	9382	256
8	BEML LTD.	78	47	78	47	76	52
9	BENGAL CHEMICALS & PHARMACEUTICALS LTD.	2	3	3	4	2	4
10	BHARAT BROADBAND NETWORK LTD.	16	4	19	5	0	3
11	BHARAT ELECTRONICS LTD.	9057	299	10788	269	9620	271
12	BHARAT HEAVY ELECTRICALS LTD.	361876	13231	347789	14136	336175	14995
13	BHARAT PETRO RESOURCES LTD.	3412	3	11226	3	8441	2
14	BHARAT PETROLEUM CORPN. LTD.	168067	699	156205	751	144002	798
15	BHARAT PUMPS & COMPRESSORS LTD.	1	2	1	2	1	2
16	BHARAT SANCHAR NIGAM LTD.	1476179	22306	1820676	24303	1809884	26172
17	BHARATIYA NABHIKIYA VIDYUT NIGAM LTD.	529928	397	500478	403	439754	408
18	BRIDGE & ROOF CO.(INDIA) LTD.	1088	80	1200	49	1801	49
19	CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.	326	6	328	8	324	9
20	CENTRAL RAILSIDE WAREHOUSE CO. LTD.	3472	2	3334	1	3611	3
21	CENTRAL WAREHOUSING CORPN.	7376	206	7185	213	6675	258
22	CERTIFICATION ENGINEERS INTERNATIONAL LTD.	18	4	18	2	18	2
23	CHENNAI PETROLEUM CORPORATION LTD.	1014183	1633	900643	1624	855772	1688
24	CHEYYUR INFRA LTD.	2	0	1	0	0	0
25	COAL INDIA LTD.	5	6	4	7	4	7
26	COASTAL TAMIL NADU POWER LTD.	8140	0	6769	0	5515	0
27	CONTAINER CORPORATION OF INDIA LTD.	15517	91	15455	102	12180	102
28	COTTON CORPN. OF INDIA LTD.	38	22	35	26	35	33
29	DREDGING CORPN. OF INDIA LTD.	43	50	43	56	43	60
30	E. C. G. C. LTD.	2075	89	2035	90	2033	87
31	ELECTRONICS CORPN. OF INDIA LTD.	47	50	65	55	66	110
32	ENGINEERING PROJECTS (INDIA) LTD.	145	27	88	28	71	22
33	ENGINEERS INDIA LTD.	7003	105	7234	125	6032	102
34	FERRO SCRAP NIGAM LTD.	0	1	0	0	0	0
35	FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.	46	36	46	36	55	38
36	FOOD CORPN. OF INDIA	8861	3040	7677	3211	7310	3257
37	GAIL (INDIA) LTD.	46879	26	41234	29	40367	28
38	HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	455	30	458	33	474	39
39	HINDUSTAN AERONAUTICS LTD.	0	4	0	0	0	0
40	HINDUSTAN ANTIBIOTICS LTD.	4	14	4	16	4	17

Sl.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2015-16		2014-15		2013-14	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
41	HINDUSTAN CABLES LTD.	16678	492	0	0	0	0
42	HINDUSTAN INSECTICIDES LTD.	4	8	4	10	4	8
43	HINDUSTAN PAPER CORPORATION LTD.	0	0	4	2	0	2
44	HINDUSTAN PETROLEUM CORPN. LTD.	164438	467	155571	499	148023	507
45	HINDUSTAN PHOTO FILMS MANUFACTURING CO. LTD.	71577	217	71577	348	71577	657
46	HINDUSTAN STEELWORKS COSTN. LTD.	29	0	29	0	29	1
47	HLL BIOTECH LTD.	26821	71	8311	39	2496	39
48	HLL LIFECARE LTD.	776	70	101	62	720	204
49	HOUSING & URBAN DEV. CORPN. LTD.	1265	40	1267	41	1274	42
50	I T I LTD.	84	27	84	39	84	47
51	IDPL (TAMILNADU) LTD.	5994	124	6020	124	6173	112
52	INDIA TOURISM DEV. CORPN. LTD.	40	11	38	15	46	18
53	INDIA TRADE PROMOTION ORGANISATION	81	10	80	10	80	10
54	INDIAN DRUGS & PHARMACEUTICALS LTD.	0	1	0	0	0	0
55	INDIAN OIL CORPORATION LTD.	558837	1683	508483	1748	459946	1780
56	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	2835	74	2776	74	2746	113
57	INDIAN RARE EARTHS LTD.	6813	298	6670	318	6251	337
58	INDIAN RENEWABLE ENERGY DEVT.AGENCY LTD.	2	2	0	2	0	3
59	IRCON INFRASTRUCTURE & SERVICES LTD.	1061	0	1061	0	1060	0
60	IRCON INTERNATIONAL LTD.	0	0	14	1	22	3
61	KAMARAJAR PORT LTD.	211043	101	172049	102	168429	103
62	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	32	0	37	0	36
63	M M T C LTD.	2393	108	2384	109	2382	121
64	M S T C LTD.	32	20	35	20	37	22
65	MADRAS FERTILIZERS LTD.	97642	652	96484	614	96105	654
66	MANGALORE REFINERY & PETROCHEMICALS LTD.	603	0	603	0	603	0
67	MECON LTD.	1	3	3	8	3	12
68	MINERAL EXPLORATION CORPN. LTD.	537	66	203	24	529	46
69	MUMBAI RAILWAY VIKAS CORPORATION LTD.	0	1	0	0	0	0
70	NATIONAL ALUMINIUM COMPANY LTD.	63	10	61	9	44	11
71	NATIONAL BACKWARD CLASSES FINANCE & DEVP.CO.	0	1	0	1	0	1
72	NATIONAL FILM DEV. CORPN. LTD.	531	22	530	18	678	18
73	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	70	26	68	30	64	27
74	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	0	26	112	5	118	21
75	NATIONAL SEEDS CORPN. LTD.	181	16	172	14	166	14
76	NATIONAL SMALL INDUSTRIES CORPN. LTD.	1699	66	1583	74	1414	73
77	NATIONAL TEXTILE CORPN. LTD.	44034	1962	44112	2145	43115	2340
78	NBCC (INDIA) LTD.	1	35	0	40	0	43
79	NEYVELI UTTAR PRADESH POWER LTD	0	1	0	3	0	0
80	NHPC LTD.	0	2	0	0	0	0
81	NLC INDIA LTD.	1938116	15410	1749664	16000	1639599	16427
82	NLC TAMIL NADU POWER LTD.	688499	232	664882	186	574349	151
83	NMDC Ltd.	9	3	11	3	11	3
84	NORTH EASTERN HANDICRAFTS & HANDLOOM DEV.CORPN. LTD.	15	4	10	4	2	4
85	NTPC LTD.	1777	81	1791	80	1737	80
86	NUCLEAR POWER CORPN. OF INDIA LTD.	2330255	1706	2188687	1689	2057452	1710
87	OIL & NATURAL GAS CORPORATION LTD.	569843	672	512701	699	731045	819
88	OIL INDIA LTD.	0	13	192	12	60	20
89	P E C LTD.	0	4	0	6	0	5

Sl.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2015-16		2014-15		2013-14	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
90	POWER FINANCE CORPORATION LTD.	157	5	140	5	140	5
91	POWER GRID CORPORATION OF INDIA LTD.	734834	284	646805	286	563036	296
92	POWERGRID NM TRANSMISSION LTD.	72242	3	17536	0	2080	0
93	PROJECTS & DEVELOPMENT INDIA LTD.	0	0	20	7	19	7
94	RAIL VIKAS NIGAM LTD.	219	28	0	29	0	29
95	RAILTEL CORPORATION INDIA LTD.	0	22	0	10	0	10
96	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	0	4	0	5	0	5
97	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	1284	11	1283	11	1287	12
98	RASHTRIYA ISPAT NIGAM LTD.	1618	29	1618	30	1602	32
99	RICHARDSON & CRUDDAS(1972) LTD.	0	0	0	0	316	0
100	rites INFRASTRUCTURE SERVICES LTD.	171	0	145	0	145	0
101	rites LTD.	131	71	118	70	113	114
102	RURAL ELECTRIFICATION CORPN. LTD.	211	14	216	15	210	17
103	SAIL REFRACTORY COMPANY LTD.	2504	207	2492	232	2486	258
104	SCOOTERS INDIA LTD.	0	1	0	4	0	4
105	SETHUSAMUDRAM CORPN. LTD.	70942	1	70984	15	71069	15
106	SHIPPING CORPORATION OF INDIA LTD.	91	44	110	44	93	45
107	SJVN LTD.	0	3	0	3	0	3
108	STATE TRADING CORPN. OF INDIA LTD.	2646	49	2751	55	1630	55
109	STEEL AUTHORITY OF INDIA LTD.	348890	1347	343294	1389	343581	1455
110	TAMIL NADU TRADE PROMOTION ORGANISATION	7420	5	7178	5	6933	5
111	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	67	22	76	20	76	8
112	WAPCOS LTD.	37	15	35	15	20	16
STATE TOTAL :		12344576	73615	12414924	79454	12016640	84602
TELANGANA							
1	AIR INDIA AIR TRANSPORT SERVICES LTD.	0	3	0	37	0	0
2	ARTIFICIAL LIMBS MFG. CORPN. OF INDIA	0	2	0	3	0	0
3	BEML LTD.	598	87	578	103	0	0
4	BENGAL CHEMICALS & PHARMACEUTICALS LTD.	1	3	0	0	0	0
5	BHARAT BROADBAND NETWORK LTD.	8	5	8	4	0	0
6	BHARAT DYNAMICS LTD.	119024	3048	100098	3087	0	0
7	BHARAT HEAVY ELECTRICALS LTD.	228803	5297	218976	5800	0	0
8	BHARAT PETROLEUM CORPN. LTD.	54987	138	53966	137	0	0
9	BRIDGE & ROOF CO.(INDIA) LTD.	271	0	0	0	0	0
10	CEMENT CORPN. OF INDIA LTD.	6701	67	6701	74	0	0
11	CENTRAL RAILSIDE WAREHOUSE CO. LTD.	527	2	445	1	0	0
12	CENTRAL WAREHOUSING CORPN.	45	240	48	293	0	0
13	COAL INDIA LTD.	3	3	0	0	0	0
14	CONTAINER CORPORATION OF INDIA LTD.	5678	45	5551	48	0	0
15	COTTON CORPN. OF INDIA LTD.	160	138	145	152	0	0
16	DREDGING CORPN. OF INDIA LTD.	0	12	0	12	0	0
17	E. C. G. C. LTD.	155	12	0	0	0	0
18	ELECTRONICS CORPN. OF INDIA LTD.	31177	2139	31180	2436	0	0
19	FERTILIZER CORPN. OF INDIA LTD.	4723	1	0	0	0	0
20	GAIL (INDIA) LTD.	0	17	0	40	0	0
21	HINDUSTAN AERONAUTICS LTD.	153948	2003	44031	2205	0	0
22	HINDUSTAN ANTIBIOTICS LTD.	0	1	0	0	0	0
23	HINDUSTAN CABLES LTD.	0	0	16677	589	0	0
24	HINDUSTAN FLUOROCARBONS LIMITED	8085	141	7634	151	0	0
25	HINDUSTAN PETROLEUM CORPN. LTD.	38297	314	10468	0	0	0
26	HINDUSTAN STEELWORKS COSTN. LTD.	0	0	1	0	0	0
27	HMT BEARINGS LTD.	2973	55	2973	55	0	0

Sl.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2015-16		2014-15		2013-14	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
28	HMT LTD.	677	40	0	0	0	0
29	HOUSING & URBAN DEV. CORPN. LTD.	170	24	22	27	0	0
30	I T I LTD.	0	18	0	0	0	0
31	INDIAN DRUGS & PHARMACEUTICALS LTD.	7336	4	0	0	0	0
32	INDIAN OIL CORPORATION LTD.	143696	435	53967	398	0	0
33	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	62	0	0	0	0	0
34	INDIAN RENEWABLE ENERGY DEVT.AGENCY LTD.	6	2	0	2	0	0
35	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	17	0	3	0	0
36	M M T C LTD.	107	32	104	34	0	0
37	M S T C LTD.	6	7	0	0	0	0
38	MADRAS FERTILIZERS LTD.	20	11	20	12	0	0
39	MECON LTD.	0	1	0	1	0	0
40	MINERAL EXPLORATION CORPN. LTD.	0	9	181	6	0	0
41	MISHRA DHATU NIGAM LTD.	42527	772	0	0	0	0
42	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	2	14	2	0	0	0
43	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	0	2	0	0	0	0
44	NATIONAL SEEDS CORPN. LTD.	1580	39	1582	67	0	0
45	NATIONAL SMALL INDUSTRIES CORPN. LTD.	0	36	0	32	0	0
46	NBCC (INDIA) LTD.	3	14	0	23	0	0
47	NMDC Ltd.	21430	550	0	578	0	0
48	NTPC LTD.	554287	1224	450672	1298	0	0
49	POWER GRID CORPORATION OF INDIA LTD.	197483	251	117247	116	0	0
50	POWERGRID VIZAG TRANSMISSION LTD.	2422	0	0	0	0	0
51	RAILTEL CORPORATION INDIA LTD.	0	27	0	35	0	0
52	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	41	2	40	2	0	0
53	RASHTRIYA ISPAT NIGAM LTD.	7546	208	7623	218	0	0
54	rites LTD.	181	0	0	0	0	0
55	RURAL ELECTRIFICATION CORPN. LTD.	402	35	417	36	0	0
56	SECURITY PRINTING & MINTING CORPN. INDIA LTD.	34843	976	33494	1049	0	0
57	STEEL AUTHORITY OF INDIA LTD.	2998	38	435	8	0	0
58	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	0	3	0	0	0	0
59	URANIUM CORPORATION OF INDIA LTD.	780	0	772	0	0	0
STATE TOTAL :		1674769	18564	1166058	19172	0	0
TRIPURA							
1	AIR INDIA AIR TRANSPORT SERVICES LTD.	4	7	0	19	0	16
2	BHARAT BROADBAND NETWORK LTD.	221	0	221	0	0	0
3	BHARAT PETROLEUM CORPN. LTD.	351	3	351	1	356	1
4	BRIDGE & ROOF CO.(INDIA) LTD.	0	2	0	2	0	9
5	CENTRAL WAREHOUSING CORPN.	351	13	300	17	194	17
6	CONTAINER CORPORATION OF INDIA LTD.	253	0	17	0	0	0
7	ENGINEERING PROJECTS (INDIA) LTD.	4	6	4	6	4	6
8	GAIL (INDIA) LTD.	7350	26	31896	20	32890	22
9	HINDUSTAN CABLES LTD.	9718	183	0	0	0	0
10	HINDUSTAN PREFAB LTD.	0	2	0	0	0	1
11	HINDUSTAN STEELWORKS COSTN. LTD.	59	0	58	1	106	3
12	HOUSING & URBAN DEV. CORPN. LTD.	1	2	1	3	1	3
13	INDIAN OIL CORPORATION LTD.	14572	51	11186	55	11294	61
14	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	0	1	0	1	0	1
15	NATIONAL HIGHWAYS & INFRASTRUCTURE	2	13	0	0	0	0

Sl.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2015-16		2014-15		2013-14	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
	DEVELOPMENT CORPN. LTD.						
16	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	45	22	111	30	118	36
17	NATIONAL SMALL INDUSTRIES CORPN. LTD.	0	1	0	0	0	1
18	NATIONAL TEXTILE CORPN. LTD.	0	0	405	133	0	0
19	NBCC (INDIA) LTD.	13	46	14	68	13	116
20	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	178107	201	164220	223	138430	229
21	NORTH EASTERN REGIONAL AGRI. MARKETING CORP.LTD.	396	19	396	19	396	16
22	OIL & NATURAL GAS CORPORATION LTD.	489388	953	451925	889	406993	943
23	OIL INDIA LTD.	0	12	0	12	0	24
24	POWER GRID CORPORATION OF INDIA LTD.	41818	16	33275	17	33275	14
25	RAILTEL CORPORATION INDIA LTD.	0	3	0	2	0	2
26	REC POWER DISTRIBUTION CO. LTD.	0	0	24	0	0	0
27	rites LTD.	0	1	0	1	0	4
28	SJVN LTD.	0	1	0	2	0	1
29	STEEL AUTHORITY OF INDIA LTD.	0	1	0	0	0	0
30	THE JUTE CORPN. OF INDIA LTD.	1	25	1	28	1	18
STATE TOTAL :		742654	1610	694405	1549	624071	1544
UTTAR PRADESH							
1	AIR INDIA AIR TRANSPORT SERVICES LTD.	0	18	0	58	0	59
2	AIR INDIA CHARTERS LTD.	0	1	0	1	0	0
3	ARTIFICIAL LIMBS MFG. CORPN. OF INDIA	2853	241	2167	260	1939	273
4	BALMER LAWRIE & CO. LTD.	7	10	6	9	5	9
5	BENGAL CHEMICALS & PHARMACEUTICALS LTD.	378	10	1819	12	265	12
6	BHARAT BROADBAND NETWORK LTD.	28	8	27	8	0	7
7	BHARAT ELECTRONICS LTD.	55147	1796	49132	1861	46023	2153
8	BHARAT HEAVY ELECTRICALS LTD.	116483	4612	113833	4509	111272	4860
9	BHARAT IMMUNOLOGICALS & BIOLOGICALS CORP. LTD.	4541	112	4543	115	4477	118
10	BHARAT PETROLEUM CORPN. LTD.	192035	998	174321	1001	171894	1031
11	BHARAT PUMPS & COMPRESSORS LTD.	10422	505	10437	618	5936	760
12	BHARAT SANCHAR NIGAM LTD.	1435718	16472	1443512	17628	1426359	18483
13	BRAHMAPUTRA CRACKERS & POLYMER LTD.	74	0	74	0	74	1
14	BRAHMAPUTRA VALLEY FERTILIZER CORPN. LTD.	3	2	3	3	3	3
15	BRIDGE & ROOF CO.(INDIA) LTD.	2001	45	3435	40	2706	40
16	BRITISH INDIA CORPORATION LTD.	2211	836	2471	898	4090	1237
17	BROADCAST ENGG. CONSULTANTS INDIA LTD.	2263	53	2032	67	2018	66
18	BUNDELKHAND SAUR URJA LTD.	100	6	12	0	0	0
19	CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.	36	0	36	0	36	0
20	CENTRAL ELECTRONICS LTD.	7648	483	7257	512	6030	542
21	CENTRAL RAILSIDE WAREHOUSE CO. LTD.	3057	5	2840	4	2822	5
22	CENTRAL WAREHOUSING CORPN.	6671	435	6649	550	6663	528
23	COAL INDIA LTD.	17	11	16	13	5	16
24	CONTAINER CORPORATION OF INDIA LTD.	33192	180	30917	174	29232	180
25	DEDICATED FRIGHT CORRIDOR CORP. OF INDIA LTD.	274929	211	172143	166	60679	169
26	DREDGING CORPN. OF INDIA LTD.	0	3	0	5	0	3
27	E. C. G. C. LTD.	263	32	243	34	242	33
28	EdCIL(India) Ltd.	1074	79	0	0	0	0
29	ELECTRONICS CORPN. OF INDIA LTD.	2	3	3	3	2	3
30	ENGINEERING PROJECTS (INDIA) LTD.	2	3	2	3	2	5
31	ENGINEERS INDIA LTD.	0	28	0	52	0	61
32	FERTILIZER CORPN. OF INDIA LTD.	7774	2	7773	2	7773	3

Sl.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2015-16		2014-15		2013-14	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
33	FOOD CORPN. OF INDIA	17681	6634	16618	7291	14490	7442
34	GAIL (INDIA) LTD.	2169591	1826	2130492	1808	2018052	1557
35	GAIL GAS LTD.	29806	84	28304	84	24584	84
36	HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	1040	63	999	62	940	65
37	HINDUSTAN AERONAUTICS LTD.	235963	4616	64802	4886	60944	5108
38	HINDUSTAN ANTIBIOTICS LTD.	3	17	0	0	0	0
39	HINDUSTAN CABLES LTD.	0	0	9723	185	9722	188
40	HINDUSTAN PAPER CORPORATION LTD.	16	2	16	2	16	2
41	HINDUSTAN PETROLEUM CORPN. LTD.	237955	343	125773	331	106989	319
42	HINDUSTAN PREFAB LTD.	0	4	0	0	0	1
43	HINDUSTAN STEELWORKS COSTN. LTD.	115	0	122	0	123	3
44	HLL INFRA TECH SERVICES LTD.	0	213	0	0	0	0
45	HLL LIFECARE LTD.	2819	8	2556	10	0	0
46	HOUSING & URBAN DEV. CORPN. LTD.	185	19	179	19	180	20
47	HSCC (INDIA) LTD.	1282	98	1251	94	1265	100
48	I T I LTD.	133101	3547	132753	4323	131553	5256
49	INDIA TOURISM DEV. CORPN. LTD.	55	8	54	12	54	15
50	INDIAN DRUGS & PHARMACEUTICALS LTD.	7	0	0	0	0	0
51	INDIAN OIL CORPORATION LTD.	1213883	3278	1121234	3305	1057774	3419
52	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	2212	53	1315	53	819	68
53	INSTRUMENTATION LTD.	20	16	19	14	22	15
54	IRCON INFRASTRUCTURE & SERVICES LTD.	488	0	488	0	488	0
55	IRCON INTERNATIONAL LTD.	5096	90	6825	103	7618	127
56	JAGDISHPUR PAPER MILLS LTD.	1650	0	1650	0	1650	0
57	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	38	0	33	0	39
58	M M T C LTD.	0	5	0	2	0	15
59	M S T C LTD.	3	3	3	3	3	3
60	MECON LTD.	0	11	0	11	0	3
61	NATIONAL BACKWARD CLASSES FINANCE & DEVP.CO.	0	0	0	1	0	1
62	NATIONAL FERTILIZERS LTD.	4418	136	4422	259	3979	156
63	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	1057	88	1010	80	275	76
64	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	134	33	28	47	30	61
65	NATIONAL SCHEDULED CASTES FINANCE & DEVP. CORPN.	49	2	49	2	49	3
66	NATIONAL SEEDS CORPN. LTD.	1624	114	1551	121	968	108
67	NATIONAL SMALL INDUSTRIES CORPN. LTD.	766	101	706	94	740	88
68	NATIONAL TEXTILE CORPN. LTD.	405	100	0	0	405	152
69	NBCC (INDIA) LTD.	2400	139	43	91	42	114
70	NEYVELI UTTAR PRADESH POWER LTD	15884	12	16941	10	1135	15
71	NHPC LTD.	419	13	396	17	0	11
72	NLC INDIA LTD.	0	19	0	18	0	15
73	NMDC Ltd.	0	1	0	1	0	1
74	NORTHERN COALFIELDS LTD.	356755	6732	340741	6774	304636	6925
75	NTPC ELECTRIC SUPPLY COMPANY LTD.	0	0	53	48	42	53
76	NTPC LTD.	3275592	6411	3001545	6776	2816073	7291
77	NTPC VIDYUT VYAPAR NIGAM LTD.	0	0	0	0	12	1
78	NUCLEAR POWER CORPN. OF INDIA LTD.	139552	872	138039	935	137085	985
79	NUMALIGARH REFINERY LTD.	113	0	120	0	143	0
80	OIL & NATURAL GAS CORPORATION LTD.	4878	0	4878	0	4878	0
81	OIL INDIA LTD.	16285	206	15892	220	7217	195
82	P E C LTD.	0	0	0	0	0	5

Sl.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2015-16		2014-15		2013-14	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
83	POWER GRID CORPORATION OF INDIA LTD.	2948424	778	2586320	777	2279011	805
84	POWERGRID UNCHAHAR TRANSMISSION LTD.	4252	0	0	0	281	0
85	POWERGRID VIZAG TRANSMISSION LTD.	0	0	0	0	281	0
86	PROJECTS & DEVELOPMENT INDIA LTD.	2969	258	2878	232	2858	251
87	RAIL VIKAS NIGAM LTD.	144	38	0	22	0	19
88	RAILTEL CORPORATION INDIA LTD.	0	31	0	57	0	57
89	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	0	10	0	8	0	8
90	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	492	24	462	24	443	25
91	RASHTRIYA ISPAT NIGAM LTD.	218	25	218	24	214	23
92	REC POWER DISTRIBUTION CO. LTD.	3	0	0	2	6	0
93	rites LTD.	714	89	705	74	700	152
94	RURAL ELECTRIFICATION CORPN. LTD.	401	35	377	34	373	34
95	SCOOTERS INDIA LTD.	6178	373	6013	560	5915	588
96	SECURITY PRINTING & MINTING CORPN. INDIA LTD.	8735	255	8690	260	8335	273
97	SJVN LTD.	0	152	0	156	9823	158
98	STATE TRADING CORPN. OF INDIA LTD.	2	23	0	22	0	22
99	STEEL AUTHORITY OF INDIA LTD.	42508	95	41154	87	38293	111
100	TANDA TRANSMISSION COMPANY LTD.	140	0	111	0	56	0
101	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	27	9	30	17	18	32
102	THDC INDIA LTD.	7627	84	3374	82	2734	87
103	WAPCOS LTD.	23	6	21	6	19	4
STATE TOTAL :		13055088	65440	11857646	69175	10954902	73414
UTTARANCHAL							
1	AIR INDIA AIR TRANSPORT SERVICES LTD.	0	0	0	8	0	3
2	AIRLINE ALLIED SERVICES LTD.	2	0	2	0	0	0
3	BALMER LAWRIE & CO. LTD.	0	1	0	1	0	1
4	BHARAT BROADBAND NETWORK LTD.	4	2	3	2	0	2
5	BHARAT ELECTRONICS LTD.	8154	529	7649	529	7346	537
6	BHARAT HEAVY ELECTRICALS LTD.	265113	5858	259717	6218	256410	6580
7	BHARAT PETROLEUM CORPN. LTD.	2787	0	2809	0	2654	1
8	BHARAT SANCHAR NIGAM LTD.	179439	1874	177896	1973	174481	2053
9	BRIDGE & ROOF CO.(INDIA) LTD.	0	2	0	1	0	13
10	CENTRAL WAREHOUSING CORPN.	805	39	783	39	769	46
11	ENGINEERING PROJECTS (INDIA) LTD.	147	3	147	3	147	5
12	FERRO SCRAP NIGAM LTD.	334	17	333	18	334	19
13	FOOD CORPN. OF INDIA	2236	1379	1940	1398	1872	1401
14	GAIL (INDIA) LTD.	36	9	0	6	0	7
15	HINDUSTAN ANTIBIOTICS LTD.	0	3	3	20	3	25
16	HINDUSTAN PETROLEUM CORPN. LTD.	9745	26	8689	22	7598	20
17	HINDUSTAN SALTS LTD.	0	1	3	2	3	1
18	HINDUSTAN STEELWORKS COSTN. LTD.	7	0	3	0	0	0
19	HOUSING & URBAN DEV. CORPN. LTD.	312	9	311	11	48	12
20	I T I LTD.	0	10	0	3	0	10
21	INDIAN DRUGS & PHARMACEUTICALS LTD.	645	48	0	0	0	0
22	INDIAN MEDICINES & PHARMACEUTICAL CORPN. LTD.	4295	131	3439	131	2571	405
23	INDIAN OIL CORPORATION LTD.	53553	183	47887	163	43158	174
24	INSTRUMENTATION LTD.	0	0	0	1	0	1
25	IRCON INFRASTRUCTURE & SERVICES LTD.	853	0	853	0	853	0
26	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0	1	0	2	0	2
27	MECON LTD.	0	0	0	0	0	1
28	NATIONAL HIGHWAYS & INFRASTRUCTURE	6	7	0	0	0	0

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		2015-16		2014-15		2013-14	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
	DEVELOPMENT CORPN. LTD.						
29	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	1088	61	975	95	1155	99
30	NATIONAL SEEDS CORPN. LTD.	0	15	0	18	0	14
31	NATIONAL SMALL INDUSTRIES CORPN. LTD.	5	9	5	8	4	8
32	NBCC (INDIA) LTD.	5	72	1	100	0	112
33	NEPA LTD.	153	3	153	4	153	2
34	NHPC LTD.	212671	705	219416	782	235200	848
35	NTPC LTD.	288747	175	246475	161	210461	152
36	NUMALIGARH REFINERY LTD.	1	0	1	0	1	0
37	OIL & NATURAL GAS CORPORATION LTD.	145606	2375	133309	2437	134710	2521
38	OIL INDIA LTD.	0	5	0	5	0	5
39	POWER GRID CORPORATION OF INDIA LTD.	238815	51	213668	59	197515	61
40	RAIL VIKAS NIGAM LTD.	10	12	0	8	0	7
41	RAILTEL CORPORATION INDIA LTD.	0	3	0	0	0	0
42	RASHTRIYA ISPAT NIGAM LTD.	61	5	61	3	60	4
43	REC POWER DISTRIBUTION CO. LTD.	0	0	4	0	0	0
44	rites LTD.	0	1	0	1	0	4
45	RURAL ELECTRIFICATION CORPN. LTD.	0	3	0	3	0	3
46	SCOOTERS INDIA LTD.	0	0	0	1	0	1
47	SIDCUL CONCOR INFRA COMPANY LTD.	7738	2	4296	5	757	1
48	SJVN LTD.	12580	37	11195	38	0	36
49	STEEL AUTHORITY OF INDIA LTD.	8	2	8	2	8	2
50	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	20	36	9	21	9	14
51	THDC INDIA LTD.	1386419	1901	1309336	1929	1246804	1970
52	WAPCOS LTD.	4	2	0	2	0	0
	STATE TOTAL :	2822404	15607	2651379	16233	2525084	17183
	WEST BENGAL						
1	AIR INDIA AIR TRANSPORT SERVICES LTD.	2866	345	0	586	0	460
2	AIR INDIA CHARTERS LTD.	0	1	0	12	0	0
3	AIR INDIA LTD.	0	0	656959	1727	704648	3000
4	AIRLINE ALLIED SERVICES LTD.	170	0	168	100	0	0
5	AIRPORTS AUTHORITY OF INDIA	459001	4202	443044	3214	438052	3214
6	ANDAMAN & NICOBAR ISL. FOREST & PLANT.DEV.CORP.LTD	24	11	25	11	25	0
7	ANDREW YULE & COMPANY LTD.	12885	7132	12620	7215	12147	7241
8	ARTIFICIAL LIMBS MFG. CORPN. OF INDIA	3	6	3	6	1	5
9	BALMER LAWRIE & CO. LTD.	19458	635	18218	663	15110	679
10	BEML LTD.	448	96	429	111	427	113
11	BENGAL CHEMICALS & PHARMACEUTICALS LTD.	16679	326	14628	353	5092	426
12	BHARAT BROADBAND NETWORK LTD.	23	6	16	6	0	4
13	BHARAT COKING COAL LTD.	9717	1054	10081	1012	8247	1865
14	BHARAT HEAVY ELECTRICALS LTD.	55572	840	52813	865	51159	903
15	BHARAT PETROLEUM CORPN. LTD.	100307	715	86890	750	79478	837
16	BHARAT PUMPS & COMPRESSORS LTD.	1	1	1	2	1	2
17	BHARAT SANCHAR NIGAM LTD.	959795	12781	1243622	13973	1248921	14973
18	BHARAT WAGON & ENGG. CO. LTD.	5	4	5	4	5	4
19	BIRDS JUTE & EXPORTS LTD.	268	0	268	0	268	0
20	BRAHMAPUTRA VALLEY FERTILIZER CORPN. LTD.	4	2	4	1	4	2
21	BRAITHWAITE & CO. LTD.	6848	322	6762	330	6349	328
22	BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LTD.	778	154	716	126	715	183
23	BRIDGE & ROOF CO.(INDIA) LTD.	5716	668	7443	1088	7454	1027
24	BURN STANDARD COMPANY LTD.	48901	610	48939	683	48754	772

Sl.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2015-16		2014-15		2013-14	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
25	CENTRAL COALFIELDS LTD.	100	0	82	0	78	0
26	CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.	36	10	41	11	41	9
27	CENTRAL INLAND WATER TRANSPORT CORPN. LTD.	2214	2	6433	208	11053	252
28	CENTRAL MINE PLANNING & DESIGN INSTITUTE LTD.	1508	364	1237	377	789	307
29	CENTRAL RAILSIDE WAREHOUSE CO. LTD.	1068	1	1491	0	1435	1
30	CENTRAL WAREHOUSING CORPN.	11625	323	9951	366	8694	394
31	COAL INDIA LTD.	47243	675	45831	694	42700	720
32	CONTAINER CORPORATION OF INDIA LTD.	7104	58	6720	63	4877	67
33	COTTON CORPN. OF INDIA LTD.	287	12	280	11	282	14
34	DEDICATED FRIGHT CORRIDOR CORP. OF INDIA LTD.	406	24	354	18	318	18
35	DREDGING CORPN. OF INDIA LTD.	54	51	54	62	54	77
36	E. C. G. C. LTD.	795	33	792	33	791	38
37	EASTERN COALFIELDS LTD.	694959	57111	488818	59381	375030	62278
38	EASTERN INVESTMENT LTD.	9	2	9	2	9	1
39	ELECTRONICS CORPN. OF INDIA LTD.	23	66	24	74	33	86
40	ENGINEERING PROJECTS (INDIA) LTD.	140	40	138	49	125	50
41	ENGINEERS INDIA LTD.	539	49	673	69	631	67
42	FERRO SCRAP NIGAM LTD.	4182	176	4098	186	3947	202
43	FOOD CORPN. OF INDIA	8828	5759	7586	6131	6530	6181
44	GAIL (INDIA) LTD.	12765	16	90	13	1460	15
45	GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.	56231	2518	55530	2738	53209	3016
46	HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	16	7	16	7	16	7
47	HEAVY ENGINEERING CORPN. LTD.	119	5	118	4	117	7
48	HIGH SPEED RAIL CORPORATION OF INDIA LTD.	15	0	0	0	0	0
49	HINDUSTAN AERONAUTICS LTD.	5407	422	4652	424	3878	431
50	HINDUSTAN ANTIBIOTICS LTD.	7	6	7	0	7	0
51	HINDUSTAN CABLES LTD.	21294	652	21295	759	26937	836
52	HINDUSTAN COPPER LTD.	2114	124	2107	122	2090	128
53	HINDUSTAN FERTILIZER CORPN. LTD.	16712	0	16712	1	16715	3
54	HINDUSTAN INSECTICIDES LTD.	4	13	3	12	3	9
55	HINDUSTAN PAPER CORPORATION LTD.	620	62	602	64	591	78
56	HINDUSTAN PETROLEUM CORPN. LTD.	84895	520	78501	565	69698	601
57	HINDUSTAN PREFAB LTD.	0	1	0	0	0	1
58	HINDUSTAN STEELWORKS COSTN. LTD.	4591	8	2377	14	1298	14
59	HLL LIFECARE LTD.	9	12	1	14	0	0
60	HOOGHLY DOCK AND PORT ENGINEERS LTD.	1999	45	1999	339	2066	378
61	HOOGHLY PRINTING COMPANY LTD.	643	47	643	47	335	53
62	HOUSING & URBAN DEV. CORPN. LTD.	1242	24	1365	26	1269	25
63	HSCC (INDIA) LTD.	0	3	4	0	0	1
64	I T I LTD.	170	60	170	31	170	72
65	INDIA TOURISM DEV. CORPN. LTD.	17	15	16	17	15	16
66	INDIA TRADE PROMOTION ORGANISATION	185	6	184	6	183	6
67	INDIAN DRUGS & PHARMACEUTICALS LTD.	5	1	0	0	0	0
68	INDIAN OIL CORPORATION LTD.	1135633	3451	1013572	3526	967967	3606
69	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	847	190	834	220	565	246
70	INDIAN RENEWABLE ENERGY DEVT.AGENCY LTD.	0	0	0	1	0	2
71	INSTRUMENTATION LTD.	30	9	35	14	35	17
72	IRCON INFRASTRUCTURE & SERVICES LTD.	1840	0	1866	0	1808	0
73	IRCON INTERNATIONAL LTD.	798	50	793	49	772	37
74	KARNATAKA ANTIBIOTICS &	0	36	0	44	0	46

Sl.No.	State / CPSE	(Gross Block : ₹ in Lakhs)				(Employment in Numbers)	
		2015-16		2014-15		2013-14	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
	PHARMACEUTICALS LTD.						
75	KOLKATA METRO RAIL CORPORATION LTD.	186481	38	174142	33	156208	33
76	M M T C LTD.	1394	111	1403	112	1399	117
77	M S T C LTD.	1223	148	2506	145	2635	158
78	MAHANADI COALFIELDLS LTD.	38	19	37	19	33	19
79	MECON LTD.	568	71	551	96	510	116
80	MINERAL EXPLORATION CORPN. LTD.	289	4	289	4	308	4
81	NATIONAL ALUMINIUM COMPANY LTD.	754	19	754	21	753	21
82	NATIONAL BACKWARD CLASSES FINANCE & DEVP.CO.	0	1	0	2	0	2
83	NATIONAL FILM DEV. CORPN. LTD.	45	8	35	10	29	8
84	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	78	14	76	15	0	13
85	NATIONAL JUTE MANUFACTURES CORPORATION LTD.	4164	52	5211	50	4319	50
86	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	191	115	125	117	140	132
87	NATIONAL SCHEDULED CASTES FINANCE & DEVP. CORPN.	15	1	15	2	15	3
88	NATIONAL SEEDS CORPN. LTD.	398	29	395	28	371	25
89	NATIONAL SMALL INDUSTRIES CORPN. LTD.	2070	70	890	69	642	72
90	NATIONAL TEXTILE CORPN. LTD.	5712	52	5535	24	5618	60
91	NBCC (INDIA) LTD.	10	159	0	192	7	111
92	NHPC LTD.	361575	475	333913	450	328115	470
93	NLC INDIA LTD.	40	3	40	3	40	2
94	NMDC Ltd.	1114	4	31	4	30	4
95	NORTH EASTERN HANDICRAFTS & HANDLOOM DEV. CORPN. LTD.	28	4	28	4	17	7
96	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	413	9	413	8	412	8
97	NORTH EASTERN REGIONAL AGRI. MARKETING CORP.LTD.	0	2	0	2	0	2
98	NORTHERN COALFIELDS LTD.	5	11	18	11	17	11
99	NTPC ELECTRIC SUPPLY COMPANY LTD.	0	0	1	2	18	4
100	NTPC LTD.	663337	1338	634656	1391	632851	1476
101	NTPC VIDYUT VYAPAR NIGAM LTD.	0	1	0	1	0	1
102	NUMALIGARH REFINERY LTD.	28345	44	26806	41	24449	40
103	OIL & NATURAL GAS CORPORATION LTD.	108173	551	99362	557	133466	730
104	OIL INDIA LTD.	948	163	2252	173	1695	223
105	ORISSA MINERAL DEVELOPMENT COMPANY LTD.	277	53	0	0	510	51
106	P E C LTD.	0	8	0	10	0	9
107	POWER GRID CORPORATION OF INDIA LTD.	950474	391	639551	406	380253	428
108	POWER SYSTEM OPERATION CORPORATION LTD.	2358	81	6018	82	4812	87
109	PROJECTS & DEVELOPMENT INDIA LTD.	0	0	4	6	4	6
110	RAIL VIKAS NIGAM LTD.	735	43	0	54	0	66
111	RAILTEL CORPORATION INDIA LTD.	48134	65	38217	63	27113	63
112	RAJASTHAN DRUGS & PHARMACEUTICALS LTD.	0	0	2233	171	0	0
113	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	7	5	7	5	7	3
114	RASHTRIYA ISPAT NIGAM LTD.	239	0	239	29	219	29
115	REC POWER DISTRIBUTION CO. LTD.	3	0	0	2	0	0
116	RICHARDSON & CRUDDAS(1972) LTD.	13556	0	0	0	0	0
117	rites INFRASTRUCTURE SERVICES LTD.	49	0	75	0	64	0
118	rites LTD.	2536	236	2564	251	2489	332
119	RURAL ELECTRIFICATION CORPN. LTD.	603	19	569	20	567	23
120	SCOOTERS INDIA LTD.	0	2	0	3	0	3
121	SECURITY PRINTING & MINTING CORPN. INDIA	16778	1406	15286	1492	14837	1589

Sl.No.	State / CPSE	(Gross Block : ₹ in Lakhs)		(Employment in Numbers)			
		2015-16		2014-15		2013-14	
		Gross Block	Employment	Gross Block	Employment	Gross Block	Employment
	LTD.						
122	SHIPPING CORPORATION OF INDIA LTD.	1272	106	1280	108	1154	113
123	SJVN LTD.	0	12	0	11	0	12
124	SOUTH EASTERN COALFIELDS LTD.	0	50	0	54	0	57
125	STATE TRADING CORPN. OF INDIA LTD.	1959	55	1963	62	130	69
126	STEEL AUTHORITY OF INDIA LTD.	2972898	20708	2776890	21924	2584195	22866
127	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	3	3	0	0	0	0
128	THE BISRA STONE LIME COMPANY LTD.	14	3	15	3	14	3
129	THE JUTE CORPN. OF INDIA LTD.	359	459	359	292	359	463
130	WAPCOS LTD.	78	15	46	9	42	9
	STATE TOTAL :	9208537	130206	9156558	138273	8546344	146654
	GRAND TOTAL :	202631531	1233618	190692622	1291178	175653080	1349142

STATEMENT - 12

RANKING OF CPSEs IN TERMS OF PROFIT/LOSS BEFORE EXCEPTIONAL, EXTRAORDINARY ITEMS & TAX (PBEET) IN 2015-16

(₹ in Lakh)

CPSE	2015-16	2014-15	2013-14	Rank based on PBEET 2015-16
OIL & NATURAL GAS CORPORATION LTD.	2653253	2655523	3243194	1
COAL INDIA LTD.	1651353	1365267	1542047	2
INDIAN OIL CORPORATION LTD.	1447525	632720	817871	3
BHARAT PETROLEUM CORPN. LTD.	1065118	741551	594898	4
NTPC LTD.	1005867	1054665	1390465	5
POWER FINANCE CORPORATION LTD.	906066	837823	755831	6
RURAL ELECTRIFICATION CORPN. LTD.	804521	742704	653112	7
POWER GRID CORPORATION OF INDIA LTD.	761873	628938	626375	8
MAHANADI COALFIELDS LTD.	626043	530402	542908	9
HINDUSTAN PETROLEUM CORPN. LTD.	573807	415412	261551	10
SOUTH EASTERN COALFIELDS LTD.	517030	565954	720268	11
NMDC Ltd.	469079	988148	971548	12
NORTHERN COALFIELDS LTD.	406551	371347	335571	13
AIRPORTS AUTHORITY OF INDIA	369735	279141	269817	14
OIL INDIA LTD.	367857	372870	441044	15
NUCLEAR POWER CORPN. OF INDIA LTD.	342561	280812	288434	16
HINDUSTAN AERONAUTICS LTD.	328846	317252	357769	17
GAIL (INDIA) LTD.	317280	422150	605737	18
CENTRAL COALFIELDS LTD.	311874	274034	252587	19
NHPC LTD.	264674	230422	158306	20
NLC INDIA LTD.	195426	203735	228210	21
INDIAN RAILWAY FINANCE CORPORATION LTD.	194991	191417	157203	22
NUMALIGARH REFINERY LTD.	188472	113313	57163	23
ONGC VIDESH LTD.	187182	306665	694672	24
BHARAT ELECTRONICS LTD.	182016	146669	117474	25
SJVN LTD.	157751	217953	133819	26
MANGALORE REFINERY & PETROCHEMICALS LTD.	135650	-218933	29780	27
EASTERN COALFIELDS LTD.	130004	178241	130264	28
THDC INDIA LTD.	123610	73805	66597	29
HOUSING & URBAN DEV. CORPN. LTD.	107194	143094	93435	30
CONTAINER CORPORATION OF INDIA LTD.	106160	129457	128425	31
NATIONAL ALUMINIUM COMPANY LTD.	104931	196500	96718	32
INDIA INFRASTRUCTURE FINANCE CO. LTD.	96453	121651	93486	33
MAZAGON DOCK SHIPBUILDERS LTD.	95733	74600	58757	34
BHARAT DYNAMICS LTD.	85026	61419	50859	35
NHDC LTD.	80038	98377	135150	36
CHENNAI PETROLEUM CORPORATION LTD.	78745	-74239	-33096	37
BHARAT COKING COAL LTD.	78376	115422	208901	38
IRCON INTERNATIONAL LTD.	56716	84429	124906	39
rites LTD.	51457	45610	38609	40
KAMARAJAR PORT LTD.	44617	44349	40264	41
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	44548	42027	28800	42
NBCC (INDIA) LTD.	43621	39100	36122	43
WESTERN COALFIELDS LTD.	43146	54479	32586	44
COCHIN SHIPYARD LTD.	42408	36757	29095	45
SHIPPING CORPORATION OF INDIA LTD.	42379	27613	-22139	46
INDIAN RENEWABLE ENERGY DEVT.AGENCY LTD.	41762	37857	34030	47
ENGINEERS INDIA LTD.	39204	46756	69802	48
E. C. G. C. LTD.	38736	25517	53905	49
RAIL VIKAS NIGAM LTD.	36365	23635	19517	50
AIR INDIA CHARTERS LTD.	36168	-6103	-34532	51
ANTRIX CORPORATION LTD.	31782	32540	29634	52
INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	30866	21311	13570	53

CPSE	2015-16	2014-15	2013-14	Rank based on PBEET 2015-16
RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	29110	50963	36732	54
MOIL LTD.	29110	65057	76933	55
CENTRAL WAREHOUSING CORPN.	28356	26006	25647	56
NATIONAL FERTILIZERS LTD.	28349	4472	-16116	57
BALMER LAWRIE & CO. LTD.	23454	21044	21962	58
GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.	23052	6104	18492	59
RAILTEL CORPORATION INDIA LTD.	19429	16621	16891	60
INDIA TRADE PROMOTION ORGANISATION	18715	20183	17694	61
MISHRA DHATU NIGAM LTD.	15993	13851	11881	62
URANIUM CORPORATION OF INDIA LTD.	15848	1133	1633	63
NATIONAL SMALL INDUSTRIES CORPN. LTD.	15695	14912	11243	64
I T I LTD.	13869	-29798	-34631	65
KONKAN RAILWAY CORPORATION LTD.	12950	3939	1311	66
WAPCOS LTD.	12917	11216	10251	67
MINERAL EXPLORATION CORPN. LTD.	11837	9160	3823	68
GOA SHIPYARD LTD.	11040	5317	-6279	69
NATIONAL INFORMATICS CENTRE SERVICES INCORPORATED	10595	10253	6968	70
AIR INDIA AIR TRANSPORT SERVICES LTD.	10267	10088	254	71
M S T C LTD.	9134	13147	11941	72
PETRONET CCK LTD.	9105	0	0	73
HSCC (INDIA) LTD.	8798	3795	3713	74
ELECTRONICS CORPN. OF INDIA LTD.	8331	6915	8969	75
POWER SYSTEM OPERATION CORPORATION LTD.	8123	7458	9096	76
NTPC VIDYUT VYAPAR NIGAM LTD.	7776	6648	9128	77
DREDGING CORPN. OF INDIA LTD.	7180	6423	3883	78
BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LTD.	6888	7407	6799	79
NATIONAL SEEDS CORPN. LTD.	6698	3665	8170	80
BEML LTD.	6427	676	-681	81
GAIL GAS LTD.	5833	1839	1709	82
PFC CONSULTING LTD.	5710	3333	4086	83
REC POWER DISTRIBUTION CO. LTD.	5544	5252	5017	84
SECURITY PRINTING & MINTING CORPN. INDIA LTD.	5470	42702	34672	85
CEMENT CORPN. OF INDIA LTD.	5351	1818	-2685	86
HINDUSTAN STEELWORKS COSTN. LTD.	5313	242	-1867	87
EdCIL(India) Ltd.	4699	711	1409	88
ARTIFICIAL LIMBS MFG. CORPN. OF INDIA	4620	3165	3147	89
HINDUSTAN COPPER LTD.	4538	8045	43065	90
FCI ARAVALI GYPSUM & MINERALS (INDIA) LTD.	4433	5472	5211	91
NATIONAL SCHEDULED CASTES FINANCE & DEVP. CORPN.	4405	3614	3006	92
REC TRANSMISSION PROJECTS CO. LTD.	4242	6992	3430	93
TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	4237	2378	2003	94
INDIA TOURISM DEV. CORPN. LTD.	4052	3487	879	95
MUMBAI RAILWAY VIKAS CORPORATION LTD.	4021	3657	2301	96
ENGINEERING PROJECTS (INDIA) LTD.	3820	4121	2611	97
HLL LIFECARE LTD.	3803	3021	3622	98
NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	3802	3955	2084	99
CENTRAL MINE PLANNING & DESIGN INSTITUTE LTD.	3776	3933	3460	100
BALMER LAWRIE INVESTMENTS LTD.	3765	3769	3609	101
PAWAN HANS LTD.	3749	7318	5470	102
PFC GREEN ENERGY LTD.	3295	2830	1951	103
FERRO SCRAP NIGAM LTD.	3293	2551	1292	104
SOLAR ENERGY CORPORATION OF INDIA	3247	1299	-416	105
KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	3019	1733	1207	106
BRAHMAPUTRA VALLEY FERTILIZER CORPN. LTD.	2850	-12718	-15829	107
SAIL REFRACTORY COMPANY LTD.	2828	3368	2328	108
NATIONAL BACKWARD CLASSES FINANCE & DEVP.CO.	2367	2153	1985	109
CONCOR AIR LTD.	2309	1719	13	110

CPSE	2015-16	2014-15	2013-14	Rank based on PBEET 2015-16
NATIONAL MINORITIES DEVP. & FINANCE CORPORATION	2305	3439	2909	111
NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	2303	1971	5184	112
IRCON INFRASTRUCTURE & SERVICES LTD.	2261	2029	1341	113
NATIONAL SCHEDULED TRIBES FINANCE & DEVP. CORPN.	2167	2142	2009	114
TAMIL NADU TRADE PROMOTION ORGANISATION	2117	2343	2752	115
CENTRAL RAILSIDE WAREHOUSE CO. LTD.	1983	2190	2794	116
COTTON CORPN. OF INDIA LTD.	1953	2602	4194	117
HINDUSTAN SHIPYARD LTD.	1900	-16459	-4592	118
ORISSA MINERAL DEVELOPMENT COMPANY LTD.	1891	2584	1674	119
THE JUTE CORPN. OF INDIA LTD.	1835	1613	1652	120
RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	1746	2096	1988	121
NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPN. LTD.	1743	0	0	122
CERTIFICATION ENGINEERS INTERNATIONAL LTD.	1414	1339	958	123
FERTILIZER CORPN. OF INDIA LTD.	1323	-450	6	124
HINDUSTAN PREFAB LTD.	1290	660	58	125
NATIONAL SAFAI KARAMCHARIS FINANCE & DEVPT. CORPN	1139	888	670	126
KUMARAKRUPPA FRONTIER HOTELS LTD.	1081	846	837	127
CENTRAL ELECTRONICS LTD.	931	448	315	128
ANDREW YULE & COMPANY LTD.	927	1389	2543	129
NBCC SERVICES LTD.	857	0	0	130
NATIONAL HANDICAPPED FINANCE & DEVPT. CORPN.	838	959	964	131
NATIONAL JUTE MANUFACTURES CORPORATION LTD.	807	-49	-650	132
SCOOTERS INDIA LTD.	577	1109	1360	133
BRIDGE & ROOF CO.(INDIA) LTD.	503	1789	1696	134
KARNATAKA TRADE PROMOTION ORGANISATION	492	660	464	135
RAILWAY ENERGY MANAGEMENT COMPANY LTD.	470	32	0	136
BEL OPTRONICS DEVICES LTD.	455	541	767	137
GOA ANTIBIOTICS & PHARMACEUTICALS LTD.	418	405	248	138
HINDUSTAN NEWSPRINT LTD.	416	-1005	-896	139
AGRINNOVATE INDIA LTD.	369	429	0	140
IIFCL PROJECTS LTD.	358	0	0	141
SIDCUL CONCOR INFRA COMPANY LTD.	349	0	0	142
BIOTECHNOLOGY INDUSTRY RESEARCH ASSISTANCE COUNCIL	328	141	110	143
INDIAN RAILWAY STATIONS DEVPT. CORPORATION LTD.	244	293	0	144
HINDUSTAN INSECTICIDES LTD.	230	204	190	145
PFC CAPITAL ADVISORY SERVICE LTD.	201	278	449	146
HLL INFRA TECH SERVICES LTD.	175	0	0	147
DELHI POLICE HOUSING CORPORATION LTD.	174	162	132	148
EASTERN INVESTMENT LTD.	172	-1263	24	149
ORISSA DRUGS & CHEMICALS LTD.	146	135	49	150
IIFCL ASSET MANAGEMENT COMPANY LTD.	143	0	0	151
RAILTEL ENTERPRISES LTD.	115	19	0	152
NTPC ELECTRIC SUPPLY COMPANY LTD.	114	160	1976	153
CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.	94	36	29	154
HINDUSTAN FERTILIZER CORPN. LTD.	94	-38075	-38050	155
HMT (INTERNATIONAL) LTD.	87	166	49	156
HOOGHLY PRINTING COMPANY LTD.	85	10	15	157
BRAITHWAITE & CO. LTD.	64	-4461	1320	158
MILLENNIUM TELECOM LTD.	44	18	6	159
VIGNYAN INDUSTRIES LTD.	32	-85	-145	160
DONYI POLO ASHOK HOTEL LTD.	7	-1	32	161
NATIONAL RESEARCH DEVELOPMENT CORPN.	6	-134	-170	162
PONDICHERRY ASHOK HOTEL CORPN. LTD.	-16	-31	-24	163
INDIAN OIL-CREDA BIOFUELS LTD.	-19	-1300	-358	164
BITES INFRASTRUCTURE SERVICES LTD.	-38	15	-3	165
CREDA HPCL BIOFUEL LTD.	-47	-123	-86	166
MADHYA PRADESH ASHOK HOTEL CORPN. LTD.	-49	15	116	167

CPSE	2015-16	2014-15	2013-14	Rank based on PBEET 2015-16
HLL BIOTECH LTD.	-67	-11	0	168
IDPL (TAMILNADU) LTD.	-73	112	-234	169
INDIAN VACCINE CORP. LTD.	-74	-70	-119	170
STATE TRADING CORPN. OF INDIA LTD.	-109	3471	9514	171
HINDUSTAN SALTS LTD.	-113	-493	-8	172
ASSAM ASHOK HOTEL CORPN. LTD.	-152	-136	14	173
J & K MINERAL DEVELOPMENT CORPN. LTD.	-165	-80	-74	174
RANCHI ASHOK BIHAR HOTEL CORPN. LTD.	-168	-107	-96	175
NORTH EASTERN HANDICRAFTS & HANDLOOM DEV.CORPN. LTD.	-196	-486	-232	176
UTKAL ASHOK HOTEL CORPN. LTD.	-205	-70	-59	177
INDIAN MEDICINES & PHARMACEUTICAL CORPN. LTD.	-332	-20	375	178
BHEL ELECTRICAL MACHINES LTD.	-397	-417	-131	179
BIRDS JUTE & EXPORTS LTD.	-464	-554	-473	180
NATIONAL FILM DEV. CORPN. LTD.	-518	-834	-210	181
BHARAT BROADBAND NETWORK LTD.	-566	-15	277	182
NORTH EASTERN REGIONAL AGRI. MARKETING CORP.LTD.	-589	-589	-444	183
RAJASTHAN DRUGS & PHARMACEUTICALS LTD.	-599	-993	-1564	184
PROJECTS & DEVELOPMENT INDIA LTD.	-640	-1048	194	185
M M T C LTD.	-749	3681	25837	186
CENTRAL INLAND WATER TRANSPORT CORPN. LTD.	-871	-451	13596	187
SAMBHAR SALTS LTD.	-890	-983	45	188
BHARAT IMMUNOLOGICALS & BIOLOGICALS CORP. LTD.	-897	209	688	189
BROADCAST ENGG. CONSULTANTS INDIA LTD.	-965	-21	52	190
BENGAL CHEMICALS & PHARMACEUTICALS LTD.	-997	-2808	-3655	191
RICHARDSON & CRUDDAS(1972) LTD.	-1006	-365	-383	192
TCIL BINA TOLL ROAD LTD.	-1043	-942	0	193
HINDUSTAN FLUOROCARBONS LIMITED	-1111	-1068	-2482	194
HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	-1420	1415	327	195
BHARAT WAGON & ENGG. CO. LTD.	-1532	-1763	-648	196
THE BISRA STONE LIME COMPANY LTD.	-1617	-2727	-1876	197
NAGALAND PULP & PAPER COMPANY LTD.	-1739	-1538	-1473	198
HMT BEARINGS LTD.	-1775	-1775	-1598	199
HOOGHLY DOCK AND PORT ENGINEERS LTD.	-1978	-3380	-6933	200
HMT LTD.	-2474	-9657	-16918	201
FRESH & HEALTHY ENTERPRISES LTD.	-2603	-1447	-3916	202
BURN STANDARD COMPANY LTD.	-2837	-3084	-828	203
TUNGABHADRA STEEL PRODUCTS LTD.	-2887	-2887	-3191	204
PRIZE PETROLEUM COMPANY LTD.	-4750	233	-1354	205
HPCL BIOFUELS LTD.	-4888	-8437	-11274	206
HMT CHINAR WATCHES LTD.	-4905	-4905	-4100	207
BHARAT PUMPS & COMPRESSORS LTD.	-4951	-4776	-1568	208
ANDAMAN & NICOBAR ISL. FOREST & PLANT.DEV.CORP.LTD	-4971	-4508	-4012	209
BHARAT PETRO RESOURCES LTD.	-5449	-3438	-16617	210
HOTEL CORPN. OF INDIA LTD.	-5910	-4980	-4212	211
INSTRUMENTATION LTD.	-6812	-7880	-6762	212
NEPA LTD.	-7012	-4871	-5474	213
KANTI BIJLEE UTPADAN NIGAM LTD.	-7573	4515	-66	214
HINDUSTAN ANTIBIOTICS LTD.	-7718	-7055	-8423	215
KIOCL LTD.	-8940	3126	7076	216
BRITISH INDIA CORPORATION LTD.	-9724	-9224	-8094	217
MADRAS FERTILIZERS LTD.	-9754	-13469	10580	218
P E C LTD.	-10741	-8451	7166	219
INDIAN RARE EARTHS LTD.	-11123	-469	4626	220
HMT MACHINE TOOLS LTD.	-12164	-13377	-5266	221
INDIAN DRUGS & PHARMACEUTICALS LTD.	-16024	-16721	-17462	222
HINDUSTAN ORGANIC CHEMICALS LTD.	-17391	-21460	-17571	223
MECON LTD.	-17470	3301	6869	224

CPSE	2015-16	2014-15	2013-14	Rank based on PBEET 2015-16
HEAVY ENGINEERING CORPN. LTD.	-18077	-19769	-15173	225
AIRLINE ALLIED SERVICES LTD.	-20239	-18846	-22122	226
NLC TAMIL NADU POWER LTD.	-24472	0	0	227
HMT WATCHES LTD.	-25920	-25920	-23307	228
BRAHAMPUTRA CRACKERS & POLYMER LTD.	-26274	0	0	229
NATIONAL TEXTILE CORPN. LTD.	-31680	-31439	-17804	230
HINDUSTAN PAPER CORPORATION LTD.	-40455	-59137	-11850	231
AIR INDIA ENGINEERING SERVICES LTD.	-40710	-24257	0	232
FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.	-46454	-37585	-36879	233
STCL LTD.	-47988	-41105	-34692	234
ONGC MANGALORE PETROCHEMICALS LTD.	-87535	0	0	235
HINDUSTAN CABLES LTD.	-99496	-93785	-78188	236
RASHTRIYA ISPAT NIGAM LTD.	-141723	10335	54915	237
BHARAT HEAVY ELECTRICALS LTD.	-147671	214001	501430	238
HINDUSTAN PHOTO FILMS MANUFACTURING CO. LTD.	-248461	-212350	-182029	239
MAHANAGAR TELEPHONE NIGAM LTD.	-281399	-284756	-329862	240
BHARAT SANCHAR NIGAM LTD.	-382402	-884342	-712419	241
AIR INDIA LTD.	-383522	-585302	-732670	242
STEEL AUTHORITY OF INDIA LTD.	-719844	235891	226543	243
TOTAL :	15684077	14740148	16666031	

STATEMENT - 13

RANKING OF CPSEs IN TERMS OF NET TURNOVER / REVENUE IN 2015-16

(₹ in Lakhs)

CPSE	Net Turnover / Revenue			Rank
	2015-16	2014-15	2013-14	2015-16
INDIAN OIL CORPORATION LTD.	40729602	46793390	49711413	1
BHARAT PETROLEUM CORPN. LTD.	21801104	25325486	27103735	2
HINDUSTAN PETROLEUM CORPN. LTD.	19803440	21730692	23250321	3
FOOD CORPN. OF INDIA	13346512	13476404	12791004	4
OIL & NATURAL GAS CORPORATION LTD.	7856519	8309347	8420278	5
NTPC LTD.	7123600	7390658	7264402	6
GAIL (INDIA) LTD.	5238886	5746450	5827489	7
MANGALORE REFINERY & PETROCHEMICALS LTD.	5087958	6241714	7523041	8
STEEL AUTHORITY OF INDIA LTD.	4390953	5114886	5235967	9
CHENNAI PETROLEUM CORPORATION LTD.	3496758	4789630	5395473	10
BHARAT SANCHAR NIGAM LTD.	2844942	2724223	2615326	11
POWER FINANCE CORPORATION LTD.	2747365	2486132	2132256	12
BHARAT HEAVY ELECTRICALS LTD.	2707862	3164721	4105793	13
SOUTH EASTERN COALFIELDS LTD.	2529121	2234102	2222861	14
RURAL ELECTRIFICATION CORPN. LTD.	2363835	2022953	1701798	15
POWER GRID CORPORATION OF INDIA LTD.	2080222	1717723	1523028	16
AIR INDIA LTD.	1999233	1980171	1837096	17
HINDUSTAN AERONAUTICS LTD.	1728008	1563033	1513589	18
COTTON CORPN. OF INDIA LTD.	1706696	538928	489540	19
MAHANADI COALFIELDS LTD.	1468366	1238775	1063995	20
CENTRAL COALFIELDS LTD.	1396314	1205903	1051450	21
M M T C LTD.	1250360	1828484	2526965	22
ONGC VIDESH LTD.	1238543	1888170	2177715	23
NUMALIGARH REFINERY LTD.	1192544	1082705	987676	24
BHARAT COKING COAL LTD.	1122257	1018444	1011256	25
NORTHERN COALFIELDS LTD.	1077680	1032531	996519	26
STATE TRADING CORPN. OF INDIA LTD.	1060105	1449400	1544863	27
EASTERN COALFIELDS LTD.	1048829	1089615	949196	28
AIRPORTS AUTHORITY OF INDIA	1025520	889095	801862	29
RASHTRIYA ISPAT NIGAM LTD.	1013290	1043217	1343148	30
OIL INDIA LTD.	976487	974823	958682	31
NUCLEAR POWER CORPN. OF INDIA LTD.	973193	891598	838413	32
RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	879162	786166	672319	33
WESTERN COALFIELDS LTD.	823625	806643	707636	34
NATIONAL FERTILIZERS LTD.	780255	855320	804276	35
BHARAT ELECTRONICS LTD.	766271	686169	632748	36
INDIAN RAILWAY FINANCE CORPORATION LTD.	750623	693880	618715	37
NHPC LTD.	743406	680225	553704	38
NATIONAL ALUMINIUM COMPANY LTD.	726920	789153	715632	39
NLC INDIA LTD.	667661	609758	598001	40
NMDC Ltd.	645727	1236247	1206514	41
NBCC (INDIA) LTD.	582710	440211	403974	42
CONTAINER CORPORATION OF INDIA LTD.	574258	557370	498455	43
SECURITY PRINTING & MINTING CORPN. INDIA LTD.	472914	451886	390104	44
RAIL VIKAS NIGAM LTD.	454130	314197	249237	45
INDIA INFRASTRUCTURE FINANCE CO. LTD.	421097	400739	389680	46
ONGC MANGALORE PETROCHEMICALS LTD.	418757	0	0	47
BHARAT DYNAMICS LTD.	416358	279968	177989	48
MAZAGON DOCK SHIPBUILDERS LTD.	414183	361891	288672	49
SHIPPING CORPORATION OF INDIA LTD.	411239	418644	423180	50
NTPC VIDYUT VYAPAR NIGAM LTD.	410169	387360	347571	51
P E C LTD.	378429	625451	1007468	52
BEML LTD.	328744	299917	312017	53
HOUSING & URBAN DEV. CORPN. LTD.	320481	334655	294503	54
MAHANAGAR TELEPHONE NIGAM LTD.	319662	339753	339173	55
AIR INDIA CHARTERS LTD.	291644	229483	206940	56
M S T C LTD.	289155	542497	523030	57
BALMER LAWRIE & CO. LTD.	283265	286864	276218	58

CPSE	Net Turnover / Revenue			Rank
	2015-16	2014-15	2013-14	2015-16
NATIONAL SMALL INDUSTRIES CORPN. LTD.	262863	250697	209669	59
NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	262820	243386	200172	60
SJVN LTD.	249849	281753	187358	61
THDC INDIA LTD.	246649	239716	217376	62
IRCON INTERNATIONAL LTD.	230577	286399	405720	63
COCHIN SHIPYARD LTD.	199589	185952	165266	64
HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	197252	274082	255585	65
ANTRIX CORPORATION LTD.	179509	171756	147735	66
FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.	174978	199474	222819	67
BRIDGE & ROOF CO.(INDIA) LTD.	171687	143478	138255	68
GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.	170785	161469	161535	69
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	160841	153051	127975	70
KONKAN RAILWAY CORPORATION LTD.	155559	125586	122159	71
GAIL GAS LTD.	155188	102459	99853	72
CENTRAL WAREHOUSING CORPN.	154066	147333	141011	73
ENGINEERS INDIA LTD.	149305	171870	188442	74
ELECTRONICS CORPN. OF INDIA LTD.	147454	131988	145620	75
INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	138169	109492	92629	76
HINDUSTAN STEELWORKS COSTN. LTD.	134751	147100	135995	77
TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	132772	80208	80008	78
ENGINEERING PROJECTS (INDIA) LTD.	129546	103128	85516	79
I T I LTD.	125444	62095	77316	80
NLC TAMIL NADU POWER LTD.	122797	0	0	81
MADRAS FERTILIZERS LTD.	120451	170526	259705	82
rites LTD.	119998	110428	115491	83
INDIAN RENEWABLE ENERGY DEVT.AGENCY LTD.	117403	111785	89076	84
NHDC LTD.	114421	137088	193440	85
NATIONAL TEXTILE CORPN. LTD.	112924	121395	110373	86
HINDUSTAN COPPER LTD.	107421	113820	162505	87
HLL LIFECARE LTD.	107208	106438	94726	88
HSCC (INDIA) LTD.	102180	4228	3919	89
URANIUM CORPORATION OF INDIA LTD.	101426	87394	79530	90
E. C. G. C. LTD.	98327	102244	91167	91
NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	94072	110851	117471	92
CENTRAL MINE PLANNING & DESIGN INSTITUTE LTD.	87713	81654	64743	93
NATIONAL INFORMATICS CENTRE SERVICES INCORPORATED	84774	81852	53388	94
WAPCOS LTD.	82644	91454	90102	95
NATIONAL SEEDS CORPN. LTD.	76171	85798	72111	96
MISHRA DHATU NIGAM LTD.	76170	65570	56271	97
GOA SHIPYARD LTD.	74424	57551	51276	98
DREDGING CORPN. OF INDIA LTD.	66586	73496	77041	99
MOIL LTD.	63460	83116	102845	100
BRAHMAPUTRA VALLEY FERTILIZER CORPN. LTD.	62827	59944	45953	101
KAMARAJAR PORT LTD.	61731	56644	50193	102
HINDUSTAN SHIPYARD LTD.	58477	28151	43045	103
AIR INDIA AIR TRANSPORT SERVICES LTD.	57491	65324	10140	104
SOLAR ENERGY CORPORATION OF INDIA	57390	3760	368	105
RAILTEL CORPORATION INDIA LTD.	57221	48182	44980	106
AIR INDIA ENGINEERING SERVICES LTD.	57075	14201	0	107
PAWAN HANS LTD.	46241	52236	51626	108
INDIA TOURISM DEV. CORPN. LTD.	43713	47228	43826	109
CEMENT CORPN. OF INDIA LTD.	43636	45072	36366	110
HINDUSTAN PREFAB LTD.	42323	25013	18632	111
HEAVY ENGINEERING CORPN. LTD.	41305	40003	41975	112
HINDUSTAN PAPER CORPORATION LTD.	40482	81880	66116	113
KANTI BIJLEE UTPADAN NIGAM LTD.	37651	45998	16149	114
ANDREW YULE & COMPANY LTD.	37552	39426	38118	115
INDIAN RARE EARTHS LTD.	36352	42351	41456	116
CONCOR AIR LTD.	33989	30029	3885	117
HINDUSTAN INSECTICIDES LTD.	33475	33991	33035	118
FERRO SCRAP NIGAM LTD.	33416	26410	22414	119
HINDUSTAN NEWSPRINT LTD.	33190	34108	34577	120

CPSE	Net Turnover / Revenue			Rank
	2015-16	2014-15	2013-14	2015-16
KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	32954	24917	24565	121
MECON LTD.	32785	43059	37144	122
AIRLINE ALLIED SERVICES LTD.	26820	22663	21766	123
MINERAL EXPLORATION CORPN. LTD.	26732	26566	19053	124
INDIA TRADE PROMOTION ORGANISATION	24503	24593	22735	125
HMT MACHINE TOOLS LTD.	22089	19121	17525	126
RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	21202	22440	21597	127
CENTRAL ELECTRONICS LTD.	21118	16829	17207	128
KIOCL LTD.	20557	63037	153237	129
ARTIFICIAL LIMBS MFG. CORPN. OF INDIA	18935	16270	16508	130
COAL INDIA LTD.	17716	41425	33680	131
EdCIL(India) Ltd.	17028	7414	7099	132
HPCL BIOFUELS LTD.	16824	19771	13940	133
POWER SYSTEM OPERATION CORPORATION LTD.	16508	19708	19705	134
SCOOTERS INDIA LTD.	15210	16781	19435	135
BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LTD.	14872	20022	26596	136
REC POWER DISTRIBUTION CO. LTD.	14797	8543	7399	137
SAIL REFRACTORY COMPANY LTD.	13080	14288	14851	138
BHARAT IMMUNOLOGICALS & BIOLOGICALS CORP. LTD.	12803	14624	17297	139
PETRONET CCK LTD.	12279	0	0	140
HINDUSTAN ORGANIC CHEMICALS LTD.	12081	16831	23720	141
BRAITHWAITE & CO. LTD.	12070	12411	36712	142
BURN STANDARD COMPANY LTD.	12070	13318	24721	143
INSTRUMENTATION LTD.	11787	15917	15849	144
NATIONAL FILM DEV. CORPN. LTD.	11151	2763	11661	145
BEL OPTRONICS DEVICES LTD.	10664	10265	17151	146
BENGAL CHEMICALS & PHARMACEUTICALS LTD.	9623	4958	1904	147
BIOTECHNOLOGY INDUSTRY RESEARCH ASSISTANCE COUNCIL	9105	7484	6177	148
INDIAN DRUGS & PHARMACEUTICALS LTD.	8714	6355	5875	149
CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.	8577	8267	8164	150
CENTRAL RAILSIDE WAREHOUSE CO. LTD.	8555	9957	8996	151
NBCC SERVICES LTD.	8056	0	0	152
BHARAT PUMPS & COMPRESSORS LTD.	7858	10265	14914	153
IRCON INFRASTRUCTURE & SERVICES LTD.	7405	3639	3108	154
THE JUTE CORPN. OF INDIA LTD.	7372	14563	19450	155
NEPA LTD.	7130	10223	13954	156
MUMBAI RAILWAY VIKAS CORPORATION LTD.	6584	6334	4799	157
PROJECTS & DEVELOPMENT INDIA LTD.	6429	4639	5936	158
FCI ARAVALI GYPSUM & MINERALS (INDIA) LTD.	6380	8244	8859	159
PFC CONSULTING LTD.	6026	3741	4470	160
GOA ANTIBIOTICS & PHARMACEUTICALS LTD.	5059	4943	4059	161
HOTEL CORPN. OF INDIA LTD.	4702	5026	4842	162
HMT LTD.	4643	6147	7971	163
NATIONAL MINORITIES DEVP. & FINANCE CORPORATION	4494	3786	3356	164
NATIONAL BACKWARD CLASSES FINANCE & DEVP.CO.	4480	3341	3182	165
NATIONAL JUTE MANUFACTURES CORPORATION LTD.	4299	3770	5812	166
BHEL ELECTRICAL MACHINES LTD.	4179	2188	3703	167
HINDUSTAN FLUOROCARBONS LIMITED	3963	3275	3134	168
PFC GREEN ENERGY LTD.	3871	3365	2269	169
THE BISRA STONE LIME COMPANY LTD.	3849	710	2853	170
CERTIFICATION ENGINEERS INTERNATIONAL LTD.	3756	3440	2763	171
NORTH EASTERN REGIONAL AGRI. MARKETING CORP.LTD.	3752	3752	5413	172
RAJASTHAN DRUGS & PHARMACEUTICALS LTD.	3653	2490	4350	173
INDIAN MEDICINES & PHARMACEUTICAL CORPN. LTD.	3630	3203	3651	174
REC TRANSMISSION PROJECTS CO. LTD.	3409	6375	3065	175
HMT (INTERNATIONAL) LTD.	3391	3340	2508	176
VIGNYAN INDUSTRIES LTD.	3218	3067	3675	177
TAMIL NADU TRADE PROMOTION ORGANISATION	3152	4355	3059	178
BROADCAST ENGG. CONSULTANTS INDIA LTD.	2927	7723	7006	179
NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPN. LTD.	2382	0	0	180
FRESH & HEALTHY ENTERPRISES LTD.	2361	3214	8513	181

CPSE	Net Turnover / Revenue			Rank
	2015-16	2014-15	2013-14	2015-16
NATIONAL SCHEDULED CASTES FINANCE & DEVP. CORPN.	2343	2442	4712	182
NATIONAL SCHEDULED TRIBES FINANCE & DEVP. CORPN.	2262	1537	1512	183
RICHARDSON & CRUDDAS(1972) LTD.	2194	5762	6699	184
ORISSA DRUGS & CHEMICALS LTD.	2124	1909	1469	185
HLL INFRA TECH SERVICES LTD.	1954	0	0	186
SAMBHAR SALTS LTD.	1907	1894	1579	187
NATIONAL RESEARCH DEVELOPMENT CORPN.	1748	861	666	188
RAILWAY ENERGY MANAGEMENT COMPANY LTD.	1710	26	0	189
HOOGHLY PRINTING COMPANY LTD.	1705	1599	1580	190
HMT BEARINGS LTD.	1657	1657	1633	191
HINDUSTAN ANTIBIOTICS LTD.	1512	1854	3019	192
BITES INFRASTRUCTURE SERVICES LTD.	1345	5397	26	193
HOOGHLY DOCK AND PORT ENGINEERS LTD.	1273	295	0	194
NORTH EASTERN HANDICRAFTS & HANDLOOM DEV.CORPN. LTD.	1215	827	1239	195
NATIONAL SAFAI KARAMCHARIS FINANCE & DEVPT. CORPN	1071	1206	1069	196
NATIONAL HANDICAPPED FINANCE & DEVPT. CORPN.	979	893	801	197
HMT WATCHES LTD.	975	975	812	198
IDPL (TAMILNADU) LTD.	904	812	1044	199
PRIZE PETROLEUM COMPANY LTD.	901	895	859	200
KUMARAKRUPPA FRONTIER HOTELS LTD.	815	600	559	201
MADHYA PRADESH ASHOK HOTEL CORPN. LTD.	711	679	690	202
ASSAM ASHOK HOTEL CORPN. LTD.	699	644	830	203
FERTILIZER CORPN. OF INDIA LTD.	685	0	0	204
IIFCL PROJECTS LTD.	649	0	0	205
RAILTEL ENTERPRISES LTD.	568	95	0	206
TCIL BINA TOLL ROAD LTD.	485	498	0	207
KARNATAKA TRADE PROMOTION ORGANISATION	482	658	480	208
HINDUSTAN SALTS LTD.	431	730	780	209
IIFCL ASSET MANAGEMENT COMPANY LTD.	403	0	0	210
PONDICHERRY ASHOK HOTEL CORPN. LTD.	387	285	205	211
PFC CAPITAL ADVISORY SERVICE LTD.	315	443	597	212
ANDAMAN & NICOBAR ISL. FOREST & PLANT.DEV.CORP.LTD	298	273	489	213
DONYI POLO ASHOK HOTEL LTD.	285	253	269	214
SIDCUL CONCOR INFRA COMPANY LTD.	261	0	0	215
BRAHAMPUTRA CRACKERS & POLYMER LTD.	192	0	0	216
BHARAT WAGON & ENGG. CO. LTD.	178	587	5455	217
AGRINNOVATE INDIA LTD.	167	49	0	218
MILLENNIUM TELECOM LTD.	137	282	0	219
RANCHI ASHOK BIHAR HOTEL CORPN. LTD.	132	168	221	220
HMT CHINAR WATCHES LTD.	91	91	36	221
BIRDS JUTE & EXPORTS LTD.	81	0	0	222
CENTRAL INLAND WATER TRANSPORT CORPN. LTD.	71	93	186	223
BHARAT BROADBAND NETWORK LTD.	41	41	41	224
TUNGABHADRA STEEL PRODUCTS LTD.	37	37	61	225
BRITISH INDIA CORPORATION LTD.	22	64	92	226
HLL BIOTECH LTD.	6	115	0	227

STATEMENT - 14
RANKING OF CPSEs IN TERMS OF EMPLOYMENT IN 2015-16

CPSE	No. of Employees (excluding casual labour)			Rank
	2015-16	2014-15	2013-14	2015-16
BHARAT SANCHAR NIGAM LTD.	211086	225512	238277	1
STEEL AUTHORITY OF INDIA LTD.	88655	93352	97897	2
FOOD CORPN. OF INDIA	68959	73961	74021	3
EASTERN COALFIELDS LTD.	66238	68681	71826	4
SOUTH EASTERN COALFIELDS LTD.	64505	67800	70910	5
BHARAT COKING COAL LTD.	53670	56051	58960	6
WESTERN COALFIELDS LTD.	49062	50071	52484	7
CENTRAL COALFIELDS LTD.	43681	45011	46686	8
BHARAT HEAVY ELECTRICALS LTD.	42198	44905	47525	9
OIL & NATURAL GAS CORPORATION LTD.	33927	33185	34576	10
INDIAN OIL CORPORATION LTD.	32803	32962	33793	11
MAHANAGAR TELEPHONE NIGAM LTD.	31070	33770	36523	12
HINDUSTAN AERONAUTICS LTD.	30300	31144	32108	13
MAHANADI COALFIELDLS LTD.	22397	22259	22278	14
NTPC LTD.	21633	22496	23411	15
RASHTRIYA ISPAT NIGAM LTD.	17873	18137	18371	16
AIRPORTS AUTHORITY OF INDIA	17327	17410	18036	17
NORTHERN COALFIELDS LTD.	16078	16226	16741	18
NLC INDIA LTD.	15880	16445	16849	19
ANDREW YULE & COMPANY LTD.	14858	14983	15031	20
AIR INDIA LTD.	12826	14013	23259	21
BHARAT PETROLEUM CORPN. LTD.	12623	12687	13214	22
NUCLEAR POWER CORPN. OF INDIA LTD.	11392	11595	11772	23
SECURITY PRINTING & MINTING CORPN. INDIA LTD.	11052	11784	12257	24
HINDUSTAN PETROLEUM CORPN. LTD.	10538	10634	10849	25
BHARAT ELECTRONICS LTD.	9848	9703	9952	26
MAZAGON DOCK SHIPBUILDERS LTD.	8933	8925	8635	27
BEML LTD.	8827	9599	10328	28
NHPC LTD.	8654	9211	9845	29
POWER GRID CORPORATION OF INDIA LTD.	8298	8425	8694	30
NATIONAL TEXTILE CORPN. LTD.	7603	8030	8310	31
OIL INDIA LTD.	7532	7892	7837	32
NATIONAL ALUMINIUM COMPANY LTD.	7100	7320	7425	33
MOIL LTD.	6305	6417	6473	34
NMDC Ltd.	5773	5490	5664	35
I T I LTD.	5229	6098	7350	36
KONKAN RAILWAY CORPORATION LTD.	5052	4943	4847	37
URANIUM CORPORATION OF INDIA LTD.	4707	4685	4650	38
AIR INDIA ENGINEERING SERVICES LTD.	4440	4000	0	39
GAIL (INDIA) LTD.	4316	4266	4022	40
CENTRAL WAREHOUSING CORPN.	4078	4557	4777	41
RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	3775	3957	4073	42
CENTRAL MINE PLANNING & DESIGN INSTITUTE LTD.	3622	3629	3135	43
NATIONAL FERTILIZERS LTD.	3595	3798	4068	44
HINDUSTAN COPPER LTD.	3252	3676	4112	45
BHARAT DYNAMICS LTD.	3132	3183	3266	46
ENGINEERS INDIA LTD.	3042	3166	3276	47
COAL INDIA LTD.	2734	2895	3106	48
GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.	2592	2834	3133	49
ELECTRONICS CORPN. OF INDIA LTD.	2517	2863	3207	50
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	2421	2565	2729	51
FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.	2400	2592	2862	52

CPSE	No. of Employees (excluding casual labour)			Rank
	2015-16	2014-15	2013-14	2015-16
AIR INDIA AIR TRANSPORT SERVICES LTD.	2342	6765	3702	53
BITES LTD.	2280	2279	2241	54
ONGC VIDESH LTD.	2223	2119	2395	55
NBCC (INDIA) LTD.	1997	2047	2136	56
THDC INDIA LTD.	1990	2013	2067	57
HMT MACHINE TOOLS LTD.	1902	2218	2567	58
HLL LIFECARE LTD.	1870	1814	1836	59
HINDUSTAN PAPER CORPORATION LTD.	1840	1840	2061	60
MANGALORE REFINERY & PETROCHEMICALS LTD.	1812	1720	1715	61
INDIAN RARE EARTHS LTD.	1790	1961	2054	62
SJVN LTD.	1755	1824	1874	63
COCHIN SHIPYARD LTD.	1671	1786	2450	64
CHENNAI PETROLEUM CORPORATION LTD.	1637	1628	1688	65
GOA SHIPYARD LTD.	1605	1568	1545	66
HEAVY ENGINEERING CORPN. LTD.	1550	1757	2035	67
HINDUSTAN SHIPYARD LTD.	1548	1646	1832	68
NATIONAL SEEDS CORPN. LTD.	1538	1650	701	69
INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	1472	1502	1672	70
MECON LTD.	1466	1563	1673	71
INDIA TOURISM DEV. CORPN. LTD.	1403	1577	1733	72
BRIDGE & ROOF CO.(INDIA) LTD.	1366	1409	1477	73
BRITISH INDIA CORPORATION LTD.	1345	1490	1637	74
M M T C LTD.	1342	1438	1536	75
HINDUSTAN CABLES LTD.	1333	1533	1698	76
CONTAINER CORPORATION OF INDIA LTD.	1331	1332	1325	77
IRCON INTERNATIONAL LTD.	1318	1359	1434	78
MINERAL EXPLORATION CORPN. LTD.	1249	1355	1481	79
BALMER LAWRIE & CO. LTD.	1248	1365	1431	80
HMT LTD.	1218	1421	1434	81
HINDUSTAN INSECTICIDES LTD.	1115	1210	1212	82
HINDUSTAN ANTIBIOTICS LTD.	1025	1051	1120	83
HMT WATCHES LTD.	1005	1005	1055	84
NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	972	1174	1355	85
HINDUSTAN ORGANIC CHEMICALS LTD.	957	1041	1146	86
KIOCL LTD.	938	947	957	87
ANDAMAN & NICOBAR ISL. FOREST & PLANT.DEV.CORP.LTD	929	1065	1182	88
HOTEL CORPN. OF INDIA LTD.	925	1201	1201	89
COTTON CORPN. OF INDIA LTD.	925	980	964	90
NATIONAL SMALL INDUSTRIES CORPN. LTD.	903	880	881	91
FERRO SCRAP NIGAM LTD.	890	957	1010	92
TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	889	886	899	93
NUMALIGARH REFINERY LTD.	878	878	864	94
HOUSING & URBAN DEV. CORPN. LTD.	863	892	916	95
INSTRUMENTATION LTD.	849	996	1151	96
INDIA TRADE PROMOTION ORGANISATION	843	884	940	97
NEPA LTD.	811	635	621	98
WAPCOS LTD.	810	674	618	99
SHIPPING CORPORATION OF INDIA LTD.	796	792	836	100
MISHRA DHATU NIGAM LTD.	772	836	904	101
AIR INDIA CHARTERS LTD.	771	771	277	102
THE BISRA STONE LIME COMPANY LTD.	766	787	981	103
DEDICATED FRIGHT CORRIDOR CORP. OF INDIA LTD.	758	647	537	104
CEMENT CORPN. OF INDIA LTD.	750	813	910	105
MADRAS FERTILIZERS LTD.	723	693	734	106

CPSE	No. of Employees (excluding casual labour)			Rank
	2015-16	2014-15	2013-14	2015-16
KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	712	728	738	107
BRAHMAPUTRA VALLEY FERTILIZER CORPN. LTD.	711	835	944	108
THE JUTE CORPN. OF INDIA LTD.	709	588	682	109
STATE TRADING CORPN. OF INDIA LTD.	692	738	795	110
BHARAT WAGON & ENGG. CO. LTD.	661	711	755	111
E. C. G. C. LTD.	644	655	657	112
BURN STANDARD COMPANY LTD.	610	683	772	113
RURAL ELECTRIFICATION CORPN. LTD.	600	601	631	114
BRAHMAPUTRA CRACKERS & POLYMER LTD.	579	430	353	115
HINDUSTAN NEWSPRINT LTD.	563	640	702	116
NHDC LTD.	556	533	540	117
RAILTEL CORPORATION INDIA LTD.	535	525	522	118
BHARAT PUMPS & COMPRESSORS LTD.	523	638	780	119
DREDGING CORPN. OF INDIA LTD.	523	560	600	120
ORISSA MINERAL DEVELOPMENT COMPANY LTD.	514	564	641	121
HLL INFRA TECH SERVICES LTD.	506	0	0	122
CENTRAL ELECTRONICS LTD.	488	518	549	123
POWER FINANCE CORPORATION LTD.	467	450	446	124
ONGC MANGALORE PETROCHEMICALS LTD.	465	0	0	125
AIRLINE ALLIED SERVICES LTD.	454	664	938	126
POWER SYSTEM OPERATION CORPORATION LTD.	451	444	459	127
PAWAN HANS LTD.	446	456	467	128
RAIL VIKAS NIGAM LTD.	446	415	410	129
SCOOTERS INDIA LTD.	398	594	620	130
BHARATIYA NABHIKIYA VIDYUT NIGAM LTD.	397	403	408	131
ENGINEERING PROJECTS (INDIA) LTD.	397	436	437	132
HPCL BIOFUELS LTD.	394	394	394	133
PROJECTS & DEVELOPMENT INDIA LTD.	386	393	426	134
BENGAL CHEMICALS & PHARMACEUTICALS LTD.	370	405	481	135
BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LTD.	350	563	866	136
M S T C LTD.	324	307	318	137
BRAITHWAITE & CO. LTD.	322	330	328	138
ARTIFICIAL LIMBS MFG. CORPN. OF INDIA	301	314	322	139
CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.	285	295	297	140
RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	250	252	241	141
HINDUSTAN PREFAB LTD.	234	256	262	142
NLC TAMIL NADU POWER LTD.	232	186	151	143
MUMBAI RAILWAY VIKAS CORPORATION LTD.	217	198	187	144
HINDUSTAN PHOTO FILMS MANUFACTURING CO. LTD.	217	348	657	145
NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	215	208	193	146
SAIL REFRACTORY COMPANY LTD.	207	232	258	147
GOA ANTIBIOTICS & PHARMACEUTICALS LTD.	194	199	207	148
KANTI BIJLEE UTPADAN NIGAM LTD.	187	195	195	149
NAGALAND PULP & PAPER COMPANY LTD.	181	183	220	150
BHEL ELECTRICAL MACHINES LTD.	178	175	178	151
NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPN. LTD.	167	30	0	152
RAJASTHAN DRUGS & PHARMACEUTICALS LTD.	160	171	184	153
HSCC (INDIA) LTD.	160	151	143	154
P E C LTD.	150	169	188	155
GAIL GAS LTD.	150	118	112	156
HINDUSTAN FLUOROCARBONS LIMITED	141	151	179	157
INDIAN RENEWABLE ENERGY DEVT.AGENCY LTD.	137	127	130	158
BHARTIYA RAIL BIJLEE CO. LTD.	135	125	125	159

CPSE	No. of Employees (excluding casual labour)			Rank
	2015-16	2014-15	2013-14	2015-16
INDIAN MEDICINES & PHARMACEUTICAL CORPN. LTD.	131	131	406	160
BEL OPTRONICS DEVICES LTD.	130	133	111	161
IDPL (TAMILNADU) LTD.	124	124	112	162
HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	114	119	129	163
BHARAT IMMUNOLOGICALS & BIOLOGICALS CORP. LTD.	112	115	118	164
SAMBHAR SALTS LTD.	107	118	115	165
BHARAT BROADBAND NETWORK LTD.	107	109	90	166
KAMARAJAR PORT LTD.	101	102	103	167
NATIONAL FILM DEV. CORPN. LTD.	96	99	98	168
VIGNYAN INDUSTRIES LTD.	95	113	247	169
INDIA INFRASTRUCTURE FINANCE CO. LTD.	88	79	58	170
EdCIL(India) Ltd.	79	78	81	171
NATIONAL SCHEDULED CASTES FINANCE & DEVP. CORPN.	78	75	77	172
HINDUSTAN SALTS LTD.	77	222	111	173
ANTRIX CORPORATION LTD.	75	74	68	174
NATIONAL RESEARCH DEVELOPMENT CORPN.	75	80	86	175
TUNGABHADRA STEEL PRODUCTS LTD.	75	75	84	176
CERTIFICATION ENGINEERS INTERNATIONAL LTD.	72	73	73	177
HLL BIOTECH LTD.	71	39	39	178
NATIONAL JUTE MANUFACTURES CORPORATION LTD.	69	53	53	179
NORTH EASTERN HANDICRAFTS & HANDLOOM DEV.CORPN. LTD.	67	69	98	180
INDIAN DRUGS & PHARMACEUTICALS LTD.	66	95	114	181
ASSAM ASHOK HOTEL CORPN. LTD.	63	65	69	182
SOLAR ENERGY CORPORATION OF INDIA	62	36	36	183
ORISSA DRUGS & CHEMICALS LTD.	61	61	64	184
HINDUSTAN STEELWORKS COSTN. LTD.	59	106	200	185
MADHYA PRADESH ASHOK HOTEL CORPN. LTD.	58	60	61	186
BROADCAST ENGG. CONSULTANTS INDIA LTD.	58	67	70	187
HMT BEARINGS LTD.	55	55	62	188
HMT CHINAR WATCHES LTD.	54	54	54	189
NATIONAL SCHEDULED TRIBES FINANCE & DEVP. CORPN.	54	53	55	190
CENTRAL RAILSIDE WAREHOUSE CO. LTD.	53	34	35	191
NORTH EASTERN REGIONAL AGRI. MARKETING CORP.LTD.	50	50	43	192
FCI ARAVALI GYPSUM & MINERALS (INDIA) LTD.	50	58	69	193
BHARAT PETRO RESOURCES LTD.	50	50	34	194
HOOGLY PRINTING COMPANY LTD.	47	47	53	195
NATIONAL BACKWARD CLASSES FINANCE & DEVP.CO.	47	47	47	196
NTPC VIDYUT VYAPAR NIGAM LTD.	46	50	53	197
HOOGLY DOCK AND PORT ENGINEERS LTD.	45	339	378	198
BIOTECHNOLOGY INDUSTRY RESEARCH ASSISTANCE COUNCIL	41	27	22	199
PETRONET CCK LTD.	40	0	0	200
RANCHI ASHOK BIHAR HOTEL CORPN. LTD.	38	42	43	201
KOLKATA METRO RAIL CORPORATION LTD.	38	33	33	202
RAILTEL ENTERPRISES LTD.	37	0	0	203
NATIONAL MINORITIES DEVP. & FINANCE CORPORATION	33	33	32	204
NATIONAL HANDICAPPED FINANCE & DEVPT. CORPN.	33	32	32	205
HMT (INTERNATIONAL) LTD.	32	39	52	206
PATRATU VIDYUT UTPADAN NIGAM LTD.	30	0	0	207
LOKTAK DOWNSTREAM HYDROELECTRIC CORPORATION LTD.	30	33	38	208
DONYI POLO ASHOK HOTEL LTD.	26	26	46	209
FRESH & HEALTHY ENTERPRISES LTD.	24	27	31	210
PRIZE PETROLEUM COMPANY LTD.	22	23	23	211

CPSE	No. of Employees (excluding casual labour)			Rank
	2015-16	2014-15	2013-14	2015-16
NATIONAL SAFAI KARAMCHARIS FINANCE & DEVPT. CORPN	20	21	30	212
PONDICHERRY ASHOK HOTEL CORPN. LTD.	19	19	20	213
NEYVELI UTTAR PRADESH POWER LTD	18	17	18	214
INDIAN RAILWAY FINANCE CORPORATION LTD.	18	19	19	215
PFC GREEN ENERGY LTD.	16	17	18	216
RICHARDSON & CRUDDAS(1972) LTD.	16	17	22	217
IRCON INFRASTRUCTURE & SERVICES LTD.	14	9	10	218
INDIAN RAILWAY STATIONS DEVPT. CORPORATION LTD.	14	13	12	219
IRCON PB TOLLWAY LTD.	13	0	0	220
IIFCL PROJECTS LTD.	13	0	0	221
STCL LTD.	13	14	25	222
MAHANADI BASIN POWER LTD.	10	10	9	223
FERTILIZER CORPN. OF INDIA LTD.	9	13	17	224
POWERGRID NM TRANSMISSION LTD.	9	0	0	225
BEL-THALES SYSTEMS LTD.	8	0	0	226
BUNDELKHAND SAUR URJA LTD.	6	0	0	227
J & K MINERAL DEVELOPMENT CORPN. LTD.	6	5	5	228
IIFCL ASSET MANAGEMENT COMPANY LTD.	6	0	0	229
AGRINNOVATE INDIA LTD.	5	8	0	230
CENTRAL INLAND WATER TRANSPORT CORPN. LTD.	5	252	296	231
TAMIL NADU TRADE PROMOTION ORGANISATION	5	5	5	232
HINDUSTAN FERTILIZER CORPN. LTD.	4	6	8	233
PFC CAPITAL ADVISORY SERVICE LTD.	3	7	7	234
INDIAN OIL-CREDA BIOFUELS LTD.	3	3	5	235
KUMARAKRUPPA FRONTIER HOTELS LTD.	3	3	3	236
EASTERN INVESTMENT LTD.	2	2	1	237
KARNATAKA TRADE PROMOTION ORGANISATION	2	2	2	238
NMDC-CMDC LTD.	2	2	3	239
INDIAN VACCINE CORP. LTD.	2	3	3	240
MNH SHAKTI LTD.	2	16	16	241
SIDCUL CONCOR INFRA COMPANY LTD.	2	5	1	242
SETHUSAMUDRAM CORPN. LTD.	1	15	15	243
RAILWAY ENERGY MANAGEMENT COMPANY LTD.	1	1	0	244

STATEMENT - 15

RANKING OF CPSEs IN TERMS OF GROSS BLOCK IN 2015-16

(₹ in Lakh)

CPSE	Gross Block	Net Block	Gross Block	Net Block	Gross Block	Net Block	Rank on Gross Block
	2015-16		2014-15		2013-14		2015-16
OIL & NATURAL GAS CORPORATION LTD.	25659789	10324307	29004210	9820176	27060778	9606251	1
NTPC LTD.	21327309	9162981	18497108	7884907	16188073	7211083	2
POWER GRID CORPORATION OF INDIA LTD.	19386188	11515790	17118841	8968621	14598037	7315407	3
BHARAT SANCHAR NIGAM LTD.	17373880	3943873	17236688	4385499	17092039	5062105	4
INDIAN OIL CORPORATION LTD.	17158122	9089554	15796695	6625147	14648824	6294879	5
ONGC VIDESH LTD.	12421781	7008414	11592885	5646586	10856947	5055508	6
STEEL AUTHORITY OF INDIA LTD.	10020174	4426240	9440119	3616861	8781890	2677065	7
NUCLEAR POWER CORPN. OF INDIA LTD.	5972568	2160895	5488824	2185653	4806718	1136707	8
BHARAT PETROLEUM CORPN. LTD.	5914857	2346779	4947531	2031506	4122888	1903951	9
HINDUSTAN PETROLEUM CORPN. LTD.	5692552	3344577	5164934	2906281	4705232	2591224	10
NHPC LTD.	5119047	2288385	4903686	2269516	4758815	2407954	11
GAIL (INDIA) LTD.	4678045	2874647	4574928	2775968	4378417	2147663	12
AIR INDIA LTD.	4047168	2845222	4450261	3342997	4211812	3305713	13
RASHTRIYA ISPAT NIGAM LTD.	2813471	1186388	2610351	535674	2431577	453278	14
MAHANAGAR TELEPHONE NIGAM LTD.	2736786	956361	2730634	1043231	2709125	1122095	15
MANGALORE REFINERY & PETROCHEMICALS LTD.	2269353	1492147	2231910	1410926	2080253	599142	16
AIRPORTS AUTHORITY OF INDIA	2228184	758169	2148564	824772	2035780	865395	17
NLC INDIA LTD.	2138035	965423	1946351	642566	1835753	647062	18
OIL INDIA LTD.	1896638	737620	1688305	642990	1451070	547873	19
SHIPPING CORPORATION OF INDIA LTD.	1815440	1160340	1778880	1144446	1754918	1193473	20
NATIONAL ALUMINIUM COMPANY LTD.	1616490	646750	1583443	664542	1562687	679194	21
HINDUSTAN AERONAUTICS LTD.	1471432	663599	523902	140630	475188	147228	22
THDC INDIA LTD.	1397115	750920	1312728	795672	1249575	843490	23
BHARAT HEAVY ELECTRICALS LTD.	1361331	396319	1310657	414052	1269261	469294	24
SJVN LTD.	1359908	841234	1347375	905238	1314183	566866	25
NMDC Ltd.	1345327	190697	1065466	133369	804680	136228	26
NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	1325563	321107	1179597	220975	1015323	219961	27
SOUTH EASTERN COALFIELDS LTD.	1084379	402884	1016156	390882	926302	338487	28
CHENNAI PETROLEUM CORPORATION LTD.	1014251	408854	900711	407681	855840	429187	29
BRAHAMPUTRA CRACKERS & POLYMER LTD.	878322	825433	598992	27720	586147	24154	30
NORTHERN COALFIELDS LTD.	858996	272507	795774	251971	739577	225786	31
NHDC LTD.	768399	492110	759248	521651	755490	550714	32
MAHANADI COALFIELDLS LTD.	739999	325255	677386	308748	596562	278858	33
NATIONAL FERTILIZERS LTD.	731993	425548	726619	444331	719585	468224	34
ONGC MANGALORE PETROCHEMICALS LTD.	722126	674535	0	0	0	0	35
EASTERN COALFIELDS LTD.	720388	172603	696476	156540	593449	138379	36
NLC TAMIL NADU POWER LTD.	688499	652021	664882	7272	574349	7336	37
CENTRAL COALFIELDS LTD.	653140	211585	604295	175375	562603	161339	38
WESTERN COALFIELDS LTD.	633365	254122	532881	172163	496029	158412	39
CONTAINER CORPORATION OF INDIA LTD.	612679	331124	549238	324185	470102	300938	40
BHARAT COKING COAL LTD.	600665	149658	568849	132051	530006	138159	41
BHARTIYA RAIL BIJLEE CO. LTD.	586383	47804	489013	40038	399093	36960	42
DEDICATED FRIGHT CORRIDOR CORP. OF INDIA LTD.	582844	1636	331531	1224	159757	938	43
BHARATIYA NABHIKIYA VIDYUT NIGAM LTD.	529928	20225	500478	20231	439754	23320	44
AIR INDIA CHARTERS LTD.	491518	317791	475858	326413	465939	341567	45
NUMALIGARH REFINERY LTD.	483557	207154	461623	192522	432814	162415	46
KONKAN RAILWAY CORPORATION LTD.	441161	301046	432799	288087	421706	290728	47
RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	433842	149656	411874	150032	408818	161967	48
KANTI BIJLEE UTPADAN NIGAM LTD.	408082	67742	356318	67303	297453	51300	49
I T I LTD.	382957	245844	372325	242343	371757	245286	50
URANIUM CORPORATION OF INDIA LTD.	382319	69361	356398	71339	322847	76739	51
DREDGING CORPN. OF INDIA LTD.	324608	193182	305220	187134	327408	218775	52
BHARAT ELECTRONICS LTD.	319638	95843	262492	77111	242352	65094	53

CPSE	Gross Block	Net Block	Gross Block	Net Block	Gross Block	Net Block	Rank on Gross Block
	2015-16		2014-15		2013-14		2015-16
SECURITY PRINTING & MINTING CORPN. INDIA LTD.	307585	131243	294086	97095	285889	104290	54
KAMARAJAR PORT LTD.	211043	161757	172049	152731	168429	138876	55
HINDUSTAN COPPER LTD.	210425	19997	171731	20201	152579	21179	56
FOOD CORPN. OF INDIA	200254	63866	182077	55808	162290	49892	57
KOLKATA METRO RAIL CORPORATION LTD.	186481	4660	174142	4467	156208	4325	58
NATIONAL TEXTILE CORPN. LTD.	182738	90834	184171	106815	183778	123080	59
CENTRAL WAREHOUSING CORPN.	176652	130110	169464	125715	159249	119172	60
RAILTEL CORPORATION INDIA LTD.	171873	71052	140382	59612	113854	53640	61
NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPN. LTD.	158128	218	54	51	0	0	62
FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.	149320	26973	149343	28180	148307	27606	63
BEML LTD.	145292	54022	141797	46871	137350	49870	64
PAWAN HANS LTD.	143353	77913	148237	86276	145780	92257	65
BHARAT DYNAMICS LTD.	130176	58330	108231	39386	90470	35960	66
KIOCL LTD.	121274	24184	119798	24930	122175	29499	67
BHARAT BROADBAND NETWORK LTD.	120894	3177	15862	1240	853	912	68
BRAHMAPUTRA VALLEY FERTILIZER CORPN. LTD.	114225	34985	114350	38734	114802	39170	69
POWERGRID VIZAG TRANSMISSION LTD.	108907	14887	26983	3	281	0	70
STATE TRADING CORPN. OF INDIA LTD.	102343	94530	102243	95955	10720	6243	71
MADRAS FERTILIZERS LTD.	97736	17989	96590	18334	96210	19523	72
HINDUSTAN PAPER CORPORATION LTD.	97614	17070	97448	18095	98860	22144	73
CEMENT CORPN. OF INDIA LTD.	77894	11919	77520	12169	76739	12741	74
MOIL LTD.	75228	31090	66362	29391	57905	23233	75
POWERGRID NM TRANSMISSION LTD.	72242	1	17536	1	2080	0	76
HINDUSTAN PHOTO FILMS MANUFACTURING CO. LTD.	71577	7433	71577	13716	71577	13716	77
SETHUSAMUDRAM CORPN. LTD.	70942	5	70984	7	71069	228	78
GAIL GAS LTD.	69051	36321	52248	32323	51194	32072	79
COCHIN SHIPYARD LTD.	68562	37022	64962	37744	60995	38341	80
FERTILIZER CORPN. OF INDIA LTD.	68282	6282	68278	6470	112614	6088	81
COAL INDIA LTD.	66359	30866	64068	8908	60481	9625	82
MAZAGON DOCK SHIPBUILDERS LTD.	65881	34459	53351	26581	48759	17612	83
BALMER LAWRIE & CO. LTD.	65641	42401	61076	40685	54302	29030	84
HINDUSTAN ORGANIC CHEMICALS LTD.	65256	10073	65046	11679	70453	13314	85
INDIAN RARE EARTHS LTD.	64636	24434	64364	14576	60618	16043	86
HPCL BIOFUELS LTD.	64371	61573	75765	63414	75787	65847	87
GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.	58868	34370	57502	36574	55158	36548	88
HLL LIFECARE LTD.	55324	24238	49835	23450	42771	18663	89
BURN STANDARD COMPANY LTD.	54302	47116	54164	47303	53979	46465	90
HINDUSTAN NEWSPRINT LTD.	52172	18947	48154	16098	45787	14311	91
IRCON INTERNATIONAL LTD.	51729	14255	50260	15727	50924	16874	92
ENGINEERS INDIA LTD.	49541	27876	45820	26970	40420	11790	93
HINDUSTAN CABLES LTD.	47690	3274	47695	4018	52818	4381	94
rites LTD.	46653	27265	41023	21689	33760	20872	95
SJVN THERMAL PVT. LTD.	43946	36032	6166	79	4721	72	96
MISHRA DHATU NIGAM LTD.	42527	26296	39614	24428	36491	11547	97
GOA SHIPYARD LTD.	41141	8056	30262	6606	54607	32428	98
HEAVY ENGINEERING CORPN. LTD.	39380	7368	38749	7423	37836	7676	99
HMT MACHINE TOOLS LTD.	34802	5791	34403	5541	34404	6729	100
HINDUSTAN FERTILIZER CORPN. LTD.	34697	1963	34696	1973	34699	2061	101
PETRONET CCK LTD.	33953	5619	0	0	0	0	102
ELECTRONICS CORPN. OF INDIA LTD.	32895	11698	32935	13115	33248	15115	103
BEL OPTRONICS DEVICES LTD.	32856	24844	33004	27378	32876	2214	104
INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	31251	15862	29332	15532	22958	11043	105
AIR INDIA AIR TRANSPORT SERVICES LTD.	30992	13633	30844	15086	2	1	106
CENTRAL MINE PLANNING & DESIGN INSTITUTE LTD.	29449	9999	23291	8083	20874	7145	107
AIR INDIA ENGINEERING SERVICES LTD.	27007	23257	45743	41992	0	0	108
ANDREW YULE & COMPANY LTD.	26940	18341	26386	18040	25446	17765	109
HLL BIOTECH LTD.	26821	191	8311	231	2496	214	110

CPSE	Gross Block	Net Block	Gross Block	Net Block	Gross Block	Net Block	Rank on Gross Block
	2015-16		2014-15		2013-14		2015-16
BRIDGE & ROOF CO.(INDIA) LTD.	25943	4188	26611	4893	26635	5968	111
ORISSA INTEGRATED POWER LTD.	25371	5	21377	3	18037	5	112
E. C. G. C. LTD.	25200	11809	27530	11849	24983	12348	113
HINDUSTAN SHIPYARD LTD.	24919	6067	25346	6705	25220	7388	114
NATIONAL SEEDS CORPN. LTD.	24264	13962	21517	12082	6634	3841	115
BHARAT PETRO RESOURCES LTD.	22976	150	23585	79	18212	164	116
HINDUSTAN ANTIBIOTICS LTD.	22535	5061	22241	5353	22180	5977	117
NATIONAL SMALL INDUSTRIES CORPN. LTD.	22003	7128	16521	5970	14390	6098	118
M M T C LTD.	20644	5670	20325	5783	20931	7523	119
CENTRAL RAILSIDE WAREHOUSE CO. LTD.	20559	16910	20245	17520	19089	17347	120
HOUSING & URBAN DEV. CORPN. LTD.	19759	7262	19535	7469	18552	6810	121
TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	18962	10284	18900	11325	18926	12652	122
HMT WATCHES LTD.	18826	723	18826	723	18871	862	123
RURAL ELECTRIFICATION CORPN. LTD.	18818	11874	11472	7393	11035	7212	124
FERRO SCRAP NIGAM LTD.	18700	5740	18295	5679	18777	5285	125
BENGAL CHEMICALS & PHARMACEUTICALS LTD.	18219	9736	17609	4316	17492	3294	126
POWER SYSTEM OPERATION CORPORATION LTD.	17963	8251	34807	3643	31030	3141	127
MECON LTD.	17860	9028	16438	8372	14504	7899	128
INDIA TOURISM DEV. CORPN. LTD.	16539	4226	15632	4271	14994	5222	129
HINDUSTAN INSECTICIDES LTD.	16451	4392	15628	4235	15106	3397	130
RICHARDSON & CRUDDAS(1972) LTD.	16271	14029	2799	557	2911	706	131
INDIAN DRUGS & PHARMACEUTICALS LTD.	16032	1253	15244	1756	14725	1972	132
ORISSA MINERAL DEVELOPMENT COMPANY LTD.	16022	6363	15829	6865	15619	8381	133
NEYVELI UTTAR PRADESH POWER LTD	15886	15266	16943	15263	1135	13	134
NEPA LTD.	15572	1571	10458	1643	10585	1771	135
PUNJAB LOGISTIC INFRASTRUCTURE LTD.	15422	11698	10245	10042	0	0	136
RAILWAY ENERGY MANAGEMENT COMPANY LTD.	15328	15046	1452	0	29	0	137
HMT LTD.	13884	2166	13857	2396	13949	2831	138
NAGALAND PULP & PAPER COMPANY LTD.	12295	382	10582	383	8538	565	139
TCIL BINA TOLL ROAD LTD.	12071	11719	12087	11918	11474	0	140
HINDUSTAN STEELWORKS COSTN. LTD.	11980	6206	9761	4188	8983	3423	141
INDIA TRADE PROMOTION ORGANISATION	11525	4333	11359	4629	11611	5224	142
POWER FINANCE CORPORATION LTD.	11406	6391	11274	6579	11009	7063	143
MINERAL EXPLORATION CORPN. LTD.	11108	5179	9238	3724	13980	3421	144
IRCON INFRASTRUCTURE & SERVICES LTD.	11010	10392	10957	10553	10844	7861	145
LOK TAK DOWNSTREAM HYDROELECTRIC CORPORATION LTD.	10536	101	9465	105	8319	101	146
BHARAT PUMPS & COMPRESSORS LTD.	10468	4683	10460	5145	5959	4282	147
INDIA INFRASTRUCTURE FINANCE CO. LTD.	9803	306	554	156	485	322	148
COTTON CORPN. OF INDIA LTD.	9164	4928	8968	4911	8767	5270	149
INSTRUMENTATION LTD.	8901	2109	8632	2095	8314	1942	150
HOTEL CORPN. OF INDIA LTD.	8878	3073	8829	3288	8102	3055	151
NATIONAL INFORMATICS CENTRE SERVICES INCORPORATED	8737	2242	8048	2613	7823	3267	152
COASTAL TAMIL NADU POWER LTD.	8145	3	6769	1	5515	1	153
HINDUSTAN FLUOROCARBONS LIMITED	8085	2425	7634	2058	7283	1784	154
FRESH & HEALTHY ENTERPRISES LTD.	8061	4646	8168	5243	8134	5745	155
MJSJ COAL LTD.	7967	4004	3518	3083	7630	4183	156
NBCC (INDIA) LTD.	7935	6200	4154	2622	3544	2255	157
SIDCUL CONCOR INFRA COMPANY LTD.	7738	3848	4296	95	757	101	158
TCIL LAKHNADONE TOLL ROAD LTD.	7695	0	5570	0	3491	0	159
CENTRAL ELECTRONICS LTD.	7648	3727	7257	3766	6030	2854	160
INDIAN RENEWABLE ENERGY DEVT.AGENCY LTD.	7611	2935	6844	3252	6011	3712	161
TAMIL NADU TRADE PROMOTION ORGANISATION	7420	4170	7178	4332	6933	4945	162
PROJECTS & DEVELOPMENT INDIA LTD.	6909	1728	6840	1906	6796	2331	163
BRAITHWAITE & CO. LTD.	6848	2134	6762	2239	6349	2100	164
KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	6827	1564	6270	1638	5813	1969	165
NMDC-CMDC LTD.	6752	1	6732	1	10	3	166

CPSE	Gross Block	Net Block	Gross Block	Net Block	Gross Block	Net Block	Rank on Gross Block
	2015-16		2014-15		2013-14		2015-16
SOLAR ENERGY CORPORATION OF INDIA	6279	6171	212	141	183	162	167
SCOOTERS INDIA LTD.	6178	1113	6013	1262	5919	1469	168
IDPL (TAMILNADU) LTD.	5994	5971	6020	5993	6173	5664	169
CHHATTISHGARH SURGUJA POWER LTD.	5696	1	5052	1	4412	3	170
NATIONAL JUTE MANUFACTURES CORPORATION LTD.	5580	1201	6102	1357	5676	1103	171
MUMBAI RAILWAY VIKAS CORPORATION LTD.	5458	4213	5245	4214	5218	4510	172
MNH SHAKTI LTD.	5124	2301	5171	2341	5214	2458	173
IRCON PB TOLLWAY LTD.	4589	0	0	0	0	0	174
BHARAT IMMUNOLOGICALS & BIOLOGICALS CORP. LTD.	4541	550	4543	605	4477	733	175
INDIAN MEDICINES & PHARMACEUTICAL CORPN. LTD.	4295	401	3439	372	2571	505	176
POWERGRID UNCHAHAR TRANSMISSION LTD.	4252	0	299	0	281	0	177
RAIL VIKAS NIGAM LTD.	4246	597	3665	579	3209	694	178
BRITISH INDIA CORPORATION LTD.	4151	627	4470	659	4484	738	179
ARTIFICIAL LIMBS MFG. CORPN. OF INDIA	4086	1222	3385	1432	3144	1468	180
NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	3786	708	3731	737	4019	829	181
CONCOR AIR LTD.	3777	271	1851	350	800	421	182
POWER GRID SOUTHERN INTERCONNECTOR TRANSMISSION SYSTEM LTD.	3625	0	0	0	0	0	183
RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	3462	2068	3426	2174	3339	2287	184
SAMBHAR SALTS LTD.	3381	1533	3229	1706	3364	655	185
WAPCOS LTD.	3324	1730	2651	1360	2362	1464	186
J & K MINERAL DEVELOPMENT CORPN. LTD.	3324	306	3231	330	2948	354	187
HMT BEARINGS LTD.	2973	100	2973	100	2973	124	188
POWER GRID WARORA TRANSMISSION LTD.	2957	0	0	0	0	0	189
KARNATAKA TRADE PROMOTION ORGANISATION	2921	2477	2912	2285	1910	762	190
HPCL RAJASTHAN REFINERY LTD.	2769	0	2760	0	2029	0	191
CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.	2578	1297	2576	1351	2526	1393	192
SAIL REFRACTORY COMPANY LTD.	2504	1676	2492	1870	2486	2074	193
ENGINEERING PROJECTS (INDIA) LTD.	2427	941	2320	912	2202	916	194
POWER GRID PARLI TRANSMISSION LTD.	2409	0	0	0	0	0	195
BHARAT WAGON & ENGG. CO. LTD.	2325	523	2313	669	2310	729	196
RAJASTHAN DRUGS & PHARMACEUTICALS LTD.	2292	1387	2265	1492	2254	1638	197
BROADCAST ENGG. CONSULTANTS INDIA LTD.	2275	1288	2036	1235	2020	1457	198
CENTRAL INLAND WATER TRANSPORT CORPN. LTD.	2214	233	6433	1403	11053	2673	199
PRIZE PETROLEUM COMPANY LTD.	2174	1581	2177	1600	2175	1616	200
POWER GRID JABALPUR TRANSMISSION LTD.	2110	0	1840	0	0	0	201
INDIAN RAILWAY STATIONS DEVPT. CORPORATION LTD.	2060	7	1433	10	986	10	202
TUNGBHADRA STEEL PRODUCTS LTD.	2033	293	2033	293	2056	338	203
HOOGHLY DOCK AND PORT ENGINEERS LTD.	1999	219	1999	231	2066	311	204
BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LTD.	1927	584	1776	571	1763	695	205
ANTRIX CORPORATION LTD.	1903	1433	1882	1527	1881	1510	206
HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	1877	889	1828	873	1793	945	207
ANDAMAN & NICOBAR ISL. FOREST & PLANT.DEV.CORP.LTD	1788	286	1787	308	1784	494	208
INDIAN RAILWAY FINANCE CORPORATION LTD.	1740	1176	1733	1201	1727	1261	209
M S T C LTD.	1723	426	3012	1639	3120	1538	210
THE BISRA STONE LIME COMPANY LTD.	1716	338	1861	238	2002	394	211
VIGNYAN INDUSTRIES LTD.	1694	790	1673	840	1657	910	212
JAGDISHPUR PAPER MILLS LTD.	1650	0	1650	0	1650	0	213
FCI ARAVALI GYPSUM & MINERALS (INDIA) LTD.	1633	857	1032	294	999	303	214
NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	1578	1169	1523	1184	730	475	215
NATIONAL FILM DEV. CORPN. LTD.	1542	719	1359	694	1730	433	216
MAHANADI BASIN POWER LTD.	1538	9	1257	9	983	9	217
HINDUSTAN SALTS LTD.	1376	311	1318	352	1277	405	218
HSCC (INDIA) LTD.	1282	635	1265	650	1265	693	219
HMT CHINAR WATCHES LTD.	1214	121	1214	121	1216	174	220

CPSE	Gross Block	Net Block	Gross Block	Net Block	Gross Block	Net Block	Rank on Gross Block
	2015-16		2014-15		2013-14		2015-16
POWERGRID KALA AMB TRANSMISSION LTD.	1125	299	413	0	0	0	221
BHEL ELECTRICAL MACHINES LTD.	1092	623	1100	711	1066	778	222
EdCIL(India) Ltd.	1074	462	1058	481	1026	530	223
STCL LTD.	1058	459	1089	491	1211	651	224
INDIAN VACCINE CORP. LTD.	1050	586	1276	629	1760	767	225
NATIONAL MINORITIES DEVP. & FINANCE CORPORATION	1001	575	1002	619	958	638	226
GOA ANTIBIOTICS & PHARMACEUTICALS LTD.	987	385	942	388	962	453	227
NORTH EASTERN REGIONAL AGRI. MARKETING CORP.LTD.	979	174	979	174	955	160	228
NATIONAL SCHEDULED CASTES FINANCE & DEVP. CORPN.	940	532	968	557	959	604	229
DEOGHAR MEGA POWER LTD.	868	1	608	0	497	0	230
HMT (INTERNATIONAL) LTD.	834	508	833	521	836	549	231
COASTAL MAHARASHTRA MEGA POWER LTD.	802	0	722	0	647	0	232
HINDUSTAN PREFAB LTD.	788	275	295	295	868	370	233
MADHYA PRADESH ASHOK HOTEL CORPN. LTD.	684	284	636	268	617	299	234
IRCON SHIVPURI GUNA TOLLWAY LTD.	675	0	0	0	0	0	235
NATIONAL SCHEDULED TRIBES FINANCE & DEVP. CORPN.	654	326	623	306	627	326	236
P E C LTD.	649	53	636	60	636	76	237
INDIAN CATALYST PVT. LTD.	647	612	1490	612	0	0	238
HOOGHLY PRINTING COMPANY LTD.	643	241	643	267	643	304	239
INDIAN OIL-CREDA BIOFUELS LTD.	624	1	622	1	1824	4	240
BITES INFRASTRUCTURE SERVICES LTD.	614	574	614	442	600	0	241
ORISSA DRUGS & CHEMICALS LTD.	590	398	584	417	519	363	242
SAKHIGOPAL INTEGRATED POWER COMPANY LTD.	575	0	502	0	411	0	243
ASSAM ASHOK HOTEL CORPN. LTD.	509	180	508	191	517	220	244
GHOARPALLI INTEGRATED POWER COMPANY LTD.	494	0	435	0	356	0	245
PATRATU VIDYUT UTPADAN NIGAM LTD.	460	0	0	0	0	0	246
COASTAL KARNATAKA POWER LTD.	440	0	387	0	338	0	247
AIRLINE ALLIED SERVICES LTD.	434	49	418	37	405	46	248
CERTIFICATION ENGINEERS INTERNATIONAL LTD.	433	230	430	245	419	287	249
THE JUTE CORPN. OF INDIA LTD.	377	229	377	238	377	238	250
PONDICHERY ASHOK HOTEL CORPN. LTD.	374	173	367	186	368	228	251
BIOTECHNOLOGY INDUSTRY RESEARCH ASSISTANCE COUNCIL	306	177	301	240	55	44	252
PUNJAB ASHOK HOTEL COMPANY LTD.	291	0	280	0	277	1	253
UTKAL ASHOK HOTEL CORPN. LTD.	288	94	288	97	288	100	254
NATIONAL BACKWARD CLASSES FINANCE & DEVP.CO.	288	50	290	54	287	66	255
RANCHI ASHOK BIHAR HOTEL CORPN. LTD.	279	71	271	70	270	79	256
BIRDS JUTE & EXPORTS LTD.	268	13	268	15	268	20	257
NORTH EASTERN HANDICRAFTS & HANDLOOM DEV.CORPN. LTD.	239	115	224	117	149	57	258
NATIONAL RESEARCH DEVELOPMENT CORPN.	226	49	249	58	242	88	259
REC POWER DISTRIBUTION CO. LTD.	217	115	114	62	99	56	260
DONYI POLO ASHOK HOTEL LTD.	192	79	180	77	179	89	261
BPCL-KIAL FUEL PVT. LTD.	180	2	0	0	0	0	262
PFC CONSULTING LTD.	152	48	118	32	107	52	263
NATIONAL HANDICAPPED FINANCE & DEVPT. CORPN.	151	24	137	22	124	24	264
NER-II TRANSMISSION LTD.	149	0	0	0	0	0	265
TANDA TRANSMISSION COMPANY LTD.	140	0	111	0	56	0	266
NATIONAL SAFAI KARAMCHARIS FINANCE & DEVPT. CORPN	104	42	92	37	92	48	267
BUNDELKHAND SAUR URJA LTD.	100	1	12	0	0	0	268
KUMARAKRUPPA FRONTIER HOTELS LTD.	95	95	680	97	680	99	269
BIHAR MEGA POWER LTD.	95	0	0	0	0	0	270
NTPC VIDYUT VYAPAR NIGAM LTD.	81	22	79	32	97	44	271
NRSS XXXVI TRANSMISSION LTD.	73	0	0	0	0	0	272
BALLABGARH - GN TRANSMISSION CO. LTD.	70	0	62	0	51	0	273
AGRINNOVATE INDIA LTD.	68	68	111	94	0	0	274

CPSE	Gross Block	Net Block	Gross Block	Net Block	Gross Block	Net Block	Rank on Gross Block
	2015-16		2014-15		2013-14		2015-16
BEL-THALES SYSTEMS LTD.	55	48	34	30	0	0	275
DINGCHANG TRANSMISSION LTD.	52	0	0	0	0	0	276
MOHINDER GARH-BHIWANI TRANSMISSION LTD.	48	0	39	0	0	0	277
NORTH KARANPURA TRANSCO LTD.	45	0	0	0	0	0	278
KHARGONE TRANSMISSION LTD.	42	0	0	0	0	0	279
MILLENNIUM TELECOM LTD.	38	1	38	1	38	4	280
IIFCL PROJECTS LTD.	26	11	0	0	0	0	281
MEDINIPUR-JEERAT TRANSMISSION LTD.	26	0	0	0	0	0	282
KOHIMA-MARIANI TRANSMISSION LTD.	24	24	0	0	0	0	283
ODISHA INFRAPOWER LTD.	16	0	11	0	0	0	284
HIGH SPEED RAIL CORPORATION OF INDIA LTD.	15	7	272	9	14	12	285
REC TRANSMISSION PROJECTS CO. LTD.	14	9	10	8	5	5	286
IIFCL ASSET MANAGEMENT COMPANY LTD.	10	3	0	0	0	0	287
EASTERN INVESTMENT LTD.	9	4	9	4	9	5	288
SOUTH -CENTRAL EAST DELHI POWER TRANSMISSION LTD.	7	0	5	0	0	0	289
PFC GREEN ENERGY LTD.	6	1	8	2	8	5	290
NBCC SERVICES LTD.	4	2	0	0	0	0	291
PFC CAPITAL ADVISORY SERVICE LTD.	3	0	4	1	4	2	292
CHEYYUR INFRA LTD.	2	0	1	0	0	0	293
JHARKHAND INFRAPOWER LTD.	1	0	0	0	0	0	294
CREDA HPCL BIOFUEL LTD.	0	0	800	24	1073	32	295
NTPC ELECTRIC SUPPLY COMPANY LTD.	0	0	146	40	194	68	296

STATEMENT - 16
CAPACITY UTILISATION IN MANUFACTURING CPSEs

S.No.	Cognate Group / CPSE		Capacity	Unit	Production (% Utilisation of Capacity)		
					2015-16	2014-15	2013-14
	Product						
	COAL						
	BHARAT COKING COAL LTD.						
1	Other Product		NA	MT	1.713	1.391	1.583
2	Raw Coal		39.43	MT	35.861 (90.94)	34.512 (77.09)	32.612 (84.86)
3	Washed Coal		2.57	MT	0.599 (23.33)	0.385 (14.24)	0.953 (20.41)
	CENTRAL COALFIELDS LTD.						
4	Coal		53	MTe	61.324 (115.71)	55.652 (96.83)	50.022 (88.84)
	COAL INDIA LTD.						
5	Coal		1313513.51	Metric Tonne	486000 (37)	779000 (59)	663000 (50)
	EASTERN COALFIELDS LTD.						
6	COAL		346.5	LT	402.08 (116.04)	400.06 (106.80)	360.46 (130.77)
	MAHANADI COALFIELDS LTD.						
7	Coal		NA	Lakh Metric Tonne	1379	1214	1104
	NORTHERN COALFIELDS LTD.						
8	COAL		111.8	Million Tonnes	80.22 (71.75)	72.48 (69.47)	68.64 (68.46)
	SOUTH EASTERN COALFIELDS LTD.						
9	COAL PRODUCTION		143.68	MILLION TONNES	137.93 (96)	128.28 (94)	124.26 (99)
	WESTERN COALFIELDS LTD.						
10	COAL		46.88	Million Tonnes	45 (96)	41 (104)	40 (93)
	CRUDE OIL						
	OIL & NATURAL GAS CORPORATION LTD.						
11	ATF		NA	MT	3119	11448	9658
12	C2-C3		NA	MT	374701	336802	428467
13	Crude Oil		NA	MT	25927483	25942775	25993154
14	HSD		NA	MT	33481	28703	36311
15	LPG		NA	MT	1195162	1095081	1067230
16	LSHS		NA	MT	21586	18841	27992
17	MTO		NA	MT	2075	852	1117
18	Naphtha		NA	MT	1042624	1154660	1358414
19	Natural Gas		NA	000 CUM	22529541	23523675	24851248

20	Propane	NA	MT	28796	2517	1979
21	SKO	NA	MT	66780	72189	84305
OIL INDIA LTD.						
22	Crude Oil	NA	MMT	3.247	3.440	3.502
23	LPG	50000	MT	41030	43570	46640
				(82.06)	(87.14)	(93.28)
24	Natural Gas	NA	MMSCM	2838	2722	2626
25	Transportation	NA	MT	6370000	6819476	6559516
ONGC VIDESH LTD.						
26	Crude Oil and Condensate	NA	MMt	5.510	5.533	5.486
27	Natural Gas	NA	BCM	3.406	3.341	2.871
PRIZE PETROLEUM COMPANY LTD.						
28	Crude Oil & Gas	NA	Barrels	38517	38898	40519
29	Crude Oil & Gas	NA	Barrels	38817	38898	40519
OTHER MINERALS & METALS						
FCI ARAVALI GYPSUM & MINERALS (INDIA) LTD.						
30	GYPSUM	1152903.64	MT	634097	1026379	802908
				(55)	(95)	(78)
HINDUSTAN COPPER LTD.						
31	Cathode	18506.52	MT	17026	15243	17005
				(92)	(82)	(92)
32	Copper Wire Rod	60720	MT	21252	16682	14784
				(35)	(28)	(25)
INDIAN RARE EARTHS LTD.						
33	ilmenite	515053.19	tons	242075	252976	208054
				(47)	(50)	(41)
34	Rutile	25097.44	tons	9788	9501	7878
				(39)	(38)	(31)
35	zircon	35950	tons	10785	10673	8778
				(30)	(30)	(25)
KIOCL LTD.						
36	Iron Ore Pellets	3.33	Million Tonnes	0.100	0.785	1.710
				(3)	(22)	(49)
MOIL LTD.						
37	MANGANESE ORE	NA	MT	1032275	1139156	1134508
NMDC Ltd.						
38	Diamonds	98772.22	carat	35558	35085	37082
				(36)	(35)	(37)
39	Iron ore	32.1	million tonne	28.57	30.44	30.03
				(89)	(95)	(94)
40	Sponge Iron	60127.27	Tonne	6614	28994	29734
				(11)	(48)	(50)

	STEEL					
	FERRO SCRAP NIGAM LTD.					
41	handling and recovery of processing of scrap	11.78	lakh mt	11.46	11.31	11.25
				(97.28)	(96.34)	(95.83)
	MISHRA DHATU NIGAM LTD.					
42	Super alloys, Ti& Ti Alloys, Spl.Steels	5205	MT	5205	4732	4111
				(100)	(100)	(100)
	RASHTRIYA ISPAT NIGAM LTD.					
43	Bar Products (LMMM & SBM)	711833.33	tonnes	832845	782472	873845
				(117)	(110)	(123)
44	Pig Iron	554538.1	tonnes	116453	238776	327002
				(21)	(43)	(59)
45	Saleable Steel	4812728.77	tonnes	3513292	3017083	3016068
				(73)	(57)	(94)
46	Structural Products (MMSM & STM)	846172.34	tonnes	795402	826384	938777
				(94)	(97)	(110)
47	Wire Rods (WRM-1 & WRM-2)	1453121.79	tonnes	1133435	955328	997710
				(78)	(66)	(100)
	SAIL REFRACTORY COMPANY LTD.					
48	CALCINED PRODUCTS	11874.36	MT	4631	7170	11515
				(39)	(60)	(96)
49	FIRED BRICKS	15593.06	MT	11227	13842	12669
				(72)	(89)	(93)
50	MAG CARBON BRICKS	4338.18	MT	4772	4502	4259
				(110)	(104)	(99)
51	OTHERS	28304.17	MT	6793	1560	7883
				(24)	(6)	(28)
52	Saleable Steel	15.1	Million Tonnes	12.38	12.84	12.88
				(82)	(116)	(116)
	PETROLEUM (REFINERY & MARKETING)					
	BHARAT PETROLEUM CORPN. LTD.					
53	Benzene	192913.29	mt	95222	78064	37057
				(49.36)	(40.47)	(19.21)
54	Fuel Refinery	21.5	mmt	24.12	23.36	23.35
				(112.19)	(108.65)	(108.60)
55	lubricants	248431.27	mt	295509	287649	258112
				(118.95)	(115.78)	(103.90)
56	sulphur	117670.2	mt	88841	93105	92446
				(75.50)	(79.13)	(78.57)
57	Toulene	73114.49	mt	18264	25215	16903
				(24.98)	(34.49)	(23.12)
	CHENNAI PETROLEUM CORPORATION LTD.					
58	ASPHALT	500.09	TMT	564.1	427.6	481.8
				(112.8)	(85.5)	(96.4)
59	ATF	780.34	TMT	643.0	704.3	673.3
				(82.4)	(90.3)	(86.3)
60	FO	1465.8	TMT	1015.8	1418.8	1407.2
				(69.3)	(96.8)	(96.1)
61	Gasoline	950.15	TMT	954.9	1050.4	996.7
				(100.5)	(110.6)	(104.9)

62	HSD		4525.44	TMT	3878.3	4473.8	4209.5
					(85.7)	(98.9)	(93.0)
63	LOBS		200	TMT	187.8	200.8	140.9
					(93.9)	(100.4)	(70.5)
64	LPG		400.13	TMT	301.3	343.0	360.9
					(75.3)	(85.8)	(90.2)
65	Naphtha		949.7	TMT	787.3	705.0	848.9
					(82.9)	(74.2)	(89.4)
66	SKO		450.07	TMT	321.8	393.0	367.6
					(71.5)	(87.3)	(81.7)
	GAIL (INDIA) LTD.						
67	LHC		1506750.62	MT	1088778	1276805	1302318
					(72.26)	(84.74)	(86.44)
68	LPG Transmission		3.33	MTPA	3.72	3.437	3.145
					(111.83)	(103.2)	(94.46)
69	NG Sales		NA	MMSCMD	73.67	72.07	79.18
70	NG Transmission		206.02	MMSCMD	92.09	92.10	96.22
					(44.70)	(44.70)	(46.70)
71	Petrochemicals		811.9	KTA	341	447	436
					(42)	(109)	(106)
	GAIL GAS LTD.						
72	CNG PNG		3802.67	MMSCM	740	557	544
					(19.46)	(20.96)	(20.93)
	HINDUSTAN PETROLEUM CORPN. LTD.						
73	Petroleum		14855.17	TMT	17232	16178	15532
					(116)	(109)	(105)
	INDIAN OIL CORPORATION LTD.						
74	Petroleum/ Petrochemical		55.58	MMT	56.69	53.59	53.13
					(102)	(99)	(98)
	MANGALORE REFINERY & PETROCHEMICALS LTD.						
75	PETROLEUM PRODUCTS		15	MMT	15.69	14.65	14.55
					(104.61)	(97.65)	(97.00)
	NUMALIGARH REFINERY LTD.						
76	LPG, Petrochemical grade naphtha (PCN),Fuel grade		3000	TMTPA	2520	2777	2613
					(84.0)	(92.6)	(87.1)
	FERTILIZERS						
	BRAHMAPUTRA VALLEY FERTILIZER CORPN. LTD.						
77	Urea		389997.58	MT	322645	359003	306071
					(82.73)	(92.05)	(78.48)
	FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.						
78	Ammonium Sulphate		225019.8	MT	79567	120360	178792
					(35.36)	(53.49)	(79.46)
79	FACTAMFOS		633523.84	MT	515435	614004	663787
					(81.36)	(96.92)	(104.78)
	MADRAS FERTILIZERS LTD.						
80	BIO FERTILIZERS		400	MT	277	349	147
					(69.25)	(87.25)	(36.75)
81	NPK		840966.18	MT	34816	74272	44860
					(4.14)	(8.84)	(5.34)
82	UREA		486806.5	MT	407311	327933	486750
					(83.67)	(67.37)	(100)
	NATIONAL FERTILIZERS LTD.						
83	Bio-Fertilizers		600	MT	567	505	557
					(94.50)	(84.17)	(92.83)
84	Urea		35.68	LMT	37.99	36.39	36.36

				(106.47)	(101.99)	(101.92)
	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.					
85	ANP 20 20 0	269792.31	MT	175365	260520	184125
				(65)	(96)	(68)
86	CONCENTRATED NITRIC ACID	32866.67	MT	23664	25681	20015
				(72)	(78)	(61)
87	SUPHALA 15 15 15	419440.91	MT	461385	396810	333295
				(110)	(94)	(79)
88	UREA THAL	1978113.21	MT	2096800	2178010	1993800
				(106)	(110)	(101)
89	UREA TROMBAY	330544.12	MT	449540	423480	352910
				(136)	(128)	(107)
	CHEMICALS & PHARMACEUTICALS					
	BENGAL CHEMICALS & PHARMACEUTICALS LTD.					
90	Alum Ferric	8035.71	MT	4500	5600	2700
				(56)	(69)	(33)
	BRAHAMPUTRA CRACKERS & POLYMER LTD.					
91	LLDPE/HDPE/PP	67793.52	MT	3349	0	0
				(4.94)	(0)	(0)
	GOA ANTIBIOTICS & PHARMACEUTICALS LTD.					
92	CAPSULES	177857142.86	NOS	24900000	147800000	43800000
				(14)	(82)	(24)
93	SYRUP	1810204.08	LTRS	887000	1000000	1200000
				(49)	(56)	(67)
94	TABLETS	240000000	NOS	172800000	154300000	175000000
				(72)	(64)	(73)
95	vials	14998897.46	nos	6802000	4100000	4733000
				(45.35)	(27.33)	(31.55)
	HINDUSTAN ANTIBIOTICS LTD.					
96	FORMULATION	5905	No in Lacs	1181	1783	2902
				(20)	(30)	(48)
	HINDUSTAN FLUOROCARBONS LIMITED					
97	PTFE	512.5	MT	41	106	182
				(8)	(21)	(36)
	HINDUSTAN INSECTICIDES LTD.					
98	PESTICIDES	NA	MT/KL	9242	14407	13756
	HINDUSTAN ORGANIC CHEMICALS LTD.					
99	Phenol, Acetone, Hydrogen Peroxide, Formadehyde, N	235500	MT	25905	45847	51798
				(11)	(19)	(21)
	INDIAN MEDICINES & PHARMACEUTICAL CORPN. LTD.					
100	Ayurvedic and Unani Medicines	2123505.88	Kg./ Ltrs.	721992	622896	741639
				(34)	(44)	(52)
	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.					
101	Capsules	1000	No in lakhs	2230	1290	1335
				(223)	(143)	(148)
102	liquid parenterals,vials,Tablets,Capsules	528.1	No in lakhs	639	503	555
				(121)	(127)	(140)
103	tablets	1.43	No in lakhs	157	120	127
				(10998)	(7191)	(7587)
104	vials	615.73	no in lakhs	548	572	505
				(89)	(93)	(82)
	RAJASTHAN DRUGS & PHARMACEUTICALS LTD.					
105	capsules	NA	million	36.21	22.21	93.93
106	eye drops	NA	lac nos	0	1.34	2.46

107	liquids	NA	kilo litres	85.39	139	239.40
108	powder	NA	tonne	37.54	34.81	14.40
109	tablets	NA	million	171.45	142.82	318.08
HEAVY ENGINEERING						
BHARAT HEAVY ELECTRICALS LTD.						
110	Boiler	823282.05	MT	321080	320540	324832
				(39)	(38)	(39)
111	Electrical Machines	2272.5	Nos	909	916	968
				(40)	(41)	(43)
112	Power Transformer	45108.7	MVA	31125	18711	33717
				(69)	(42)	(75)
113	Traction Machines	3175	Nos	1651	1921	1991
				(52)	(60)	(62)
114	Turbine-ref hard copy	20427.27	MW	4494	6384	9456
				(22)	(32)	(47)
BHARAT WAGON & ENGG. CO. LTD.						
115	Rly.wagon	900	VU	36	46	307
				(4)	(5)	(35)
116	Rly.wagon & rehabilitation of wagons	875	VU	35	46	307
				(4)	(5)	(35)
BHEL ELECTRICAL MACHINES LTD.						
117	ROTATING ELECTRICAL MACHINERY	169413.04	KVA	116895	117559	167915
				(69)	(70)	(124)
BRAITHWAITE & CO. LTD.						
118	Bogie	1799.97	Nos	1078	1514	1500
				(59.89)	(84.11)	(83.33)
119	Repairing of Wagon	NA	Nos	1269	0	0
120	Structural	NA	MT	2490	0	14103
121	Wagon	1200.09	Nos	526	738	1383
				(43.83)	(61.5)	(115.25)
BURN STANDARD COMPANY LTD.						
122	WAGONS	2278.57	NOS	319	100	1484
				(14)	(100)	(65)
HEAVY ENGINEERING CORPN. LTD.						
123	24/96 Dragline	1960.38	Tons	188	585	951
				(9.59)	(29.83)	(48.50)
124	5 Cum Rope shovel	4071.32	Tons	274	876	1651
				(6.73)	(21.50)	(40.52)
125	EOT Cranes	6939.99	Tons	3851	2730	3691
				(55.49)	(39.34)	(53.18)
126	forging & Forged Rolls	9828.87	Tons	1321	1591	1880
				(13.44)	(16.19)	(19.13)
127	Machine Tools & Accessories	1339	Tons	126	256	542
				(9.41)	(19.18)	(40.60)
128	Medium & Heavy Steel casting	16381.14	Tons	1702	2068	2296
				(10.39)	(12.63)	(14.02)
129	Mining Spares	2000	Tons	496	412	393
				(24.80)	(20.60)	(19.65)
130	Steel Plant Items/components	2000.92	Tons	437	651	1592
				(21.84)	(32.55)	(79.60)
MEDIUM & LIGHT ENGINEERING						

	ANDREW YULE & COMPANY LTD.					
131	Tea	116	Lakh kg	116	105	109
				(100)	(94)	(97)
	BALMER LAWRIE & CO. LTD.					
132	BARRELS AND DRUMS	50.69	NOS LAKHS	42.07	42.30	41.91
				(83)	(77)	(92)
133	GREASES AND LUBRICANTS	0.71	MT/KL LAKHS	0.36	0.37	0.46
				(51)	(54)	(59)
134	LEATHER CHEMICALS	3037.37	MT	6014	7782	7534
				(198)	(256)	(248)
	CENTRAL ELECTRONICS LTD.					
135	Axle Counters	2500	Nos.	976	855	876
				(39.04)	(34.20)	(35.04)
136	Phase Shifters	40001.11	Nos.	36041	38210	36855
				(90.10)	(95.53)	(91.14)
137	Solar PV Modules	25001.25	MW	10023	3545	1580
				(40.09)	(24.05)	(26.33)
	HMT LTD.					
138	Food processing Mcy	295.77	Numbers	210	232	156
				(71)	(79)	(53)
139	Tractors	3014.29	Numbers	633	1078	1546
				(21)	(20)	(30)
	HMT MACHINE TOOLS LTD.					
140	Manufacturing of Machine Tools	771.67	No	463	480	379
				(60)	(60)	(45)
	I T I LTD.					
141	DEFENCE TELEPHONE INSTRUMENT	20000	Nos.	300	484	15966
				(1.5)	(2.42)	(79.83)
142	GPON ONTs	NA	Nos.	0	0	19830
143	NPR / SECC Data entry (Services)	251.91	M.Nos	6.6	6.47	47.82
				(2.62)	(2.6)	(19.13)
144	ROs Services	25000.86	Misc Services	14503	15809	15055
				(58.01)	(63.2)	(60.22)
145	SMPS Modules	2403.51	Nos	1370	1230	161
				(57)	(51.25)	(6.71)
	INSTRUMENTATION LTD.					
146	Process Control instruments and C and I Business	36196.67	value	10859	15192	15404
				(30)	(30)	(30)
	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.					
147	Electronic Milk Analysers	4498.58	NOS	9537	9111	7464
				(212)	(202)	(166)
148	Solar Photovoltaic Modules Systems	18846.15	kwp	7350	9005	7307
				(39)	(47)	(38)
	VIGNYAN INDUSTRIES LTD.					
149	Steel Castings	10018.18	MT	2204	2240	2326
				(22)	(22)	(23)
	TRANSPORTATION EQUIPMENT					
	BEML LTD.					
150	BEML Tatra trucks	NA	Nos	211	18	50

151	Def. aggregates & others	NA	Nos	419	348	249
152	EM Equipmen	NA	no	620	692	843
153	Railway products	NA	Nos	286	380	703
COCHIN SHIPYARD LTD.						
154	SHIP BUILDING	150244.55	DWT	151747	154695	153819
				(101)	(103)	(103)
155	SHIP REPAIR	NA	Rs. Lakhs	36749	19595	22788
GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.						
156	DECK MACHINERY AND PUMP	100	NO	58	45	57
				(58)	(45)	(57)
157	DIESEL ENGINE	100	NO	02	13	1
				(2)	(15)	(1)
158	GENERAL ENGG	3597.27	MT	3957	3591	2676
				(110)	(99)	(74)
159	SHIP BUILDING	3228.74	TON	2809	3588	3056
				(87)	(111)	(104)
GOA SHIPYARD LTD.						
160	Shipbuilding, Ship Repair and General Eng Services	NA	SSU		0.861	0.969
161	Shipbuilding, Ship Repair and General Eng Services	0	SSU	0	0.861	0.969
162	Shipbuilding, Ship Repair and General Eng Services	0.81	SSU	0.992	0.861	0.969
				(123.16)	(86.78)	(97.66)
163	Shipbuilding, Ship Repair and General Eng Services	0.99	SSU	1.22	0.861	0.969
				(123.16)	(86.78)	(97.66)
HINDUSTAN AERONAUTICS LTD.						
164	Manufacture of aircraft and helicopter and ROH of	271.1	LAKH SMH	287.37	305.23	337.31
				(106)	(110)	(122)
HINDUSTAN SHIPYARD LTD.						
165	Shipbuilding, Shiprepairs and Submarine refit.	75250.63	DWT	36030	35556	38694
				(47.88)	(47.25)	(51.40)
HOOGLY DOCK AND PORT ENGINEERS LTD.						
166	Ship Building	NA	Rs.	1271	295	0
MAZAGON DOCK SHIPBUILDERS LTD.						
167	Warships and Submarines	0.97	Effective Frigate Unit	0.92	0.93	0.95
				(95)	(96)	(97.5)
CONSUMER GOODS						
ARTIFICIAL LIMBS MFG. CORPN. OF INDIA						
168	Aids and appliances	272893	Nos	272893	315704	403401
				(100)	(100)	(100)
CEMENT CORPN. OF INDIA LTD.						
169	Cement	3897822.37	MT	912870	952685	836265
				(23.42)	(24.44)	(21.45)
HINDUSTAN NEWSPRINT LTD.						
170	NEWSPRINT / WRITING AND PRINTING PAPER	100001	MT	100501	101986	103360
				(100.5)	(102)	(103.36)
HINDUSTAN SALTS LTD.						
171	BROMINE	900.1	MT	264	310	280

				(29.33)	(34.14)	(31..11)
172	Common Salt	NA	MT	7988	6578	1440
	HLL LIFECARE LTD.					
173	Blood Bags	12.55	MPCS	11.80	12.52	11.05
				(94)	(100.14)	(92.08)
174	Condoms	1889.47	MPCS	1795	1819	1638
				(95)	(101)	(101.36)
175	Copper T	5.51	MPCS	5.95	4.87	5.12
				(108)	(88.63)	(93.09)
176	Pregnancy Test Cards	25.91	MPCS	8.55	13.67	17.75
				(33)	(52.58)	(68.27)
177	Steroidal OCP	98.49	Million Cycles	44.32	41.25	32.25
				(45)	(41.81)	(32.69)
178	Suture	5.97	LDoZ	1.91	1.74	1.42
				(32)	(29.12)	(63.11)
	NEPA LTD.					
179	Newsprint	88004.03	MT	21825	30035	43111
				(24.80)	(34)	(48.99)
	SAMBHAR SALTS LTD.					
180	Common Salt	NA	MT	205973	185064	180459
181	Process Salt	NA	MT	22022	34497	38296
	SECURITY PRINTING & MINTING CORPN. INDIA LTD.					
182	Bank Note	6875	mpcs	7150	8358	8018
				(104)	(127)	(121)
183	Circulation Coins	7344.44	mpcs	9254	7928	7650
				(126)	(120)	(116)
184	Non-Judicial Stamp Paper	321.11	mpcs	289	414	411
				(90)	(129)	(128)
185	Passports & Allied Booklets	12.52	mpcs	15.277	10.693	6.303
				(122)	(85)	(50)
	TEXTILES					
	NATIONAL TEXTILE CORPN. LTD.					
186	YARN AND CLOTH	648.46	KGS. AND MTRS.	562.02	518.54	489.11
				(86.67)	(85.47)	(83.37)
	POWER GENERATION					
	KANTI BIJLEE UTPADAN NIGAM LTD.					
187	Electricity	1932.42	million units	778.96	875.13	319.09
				(40.31)	(66.03)	(80.05)
	NHDC LTD.					
188	Generation of Hydro Electricity	3152.41	MU	2933	3691	5712
				(93.04)	(90.17)	(92.69)
	NHPC LTD.					
189	Electricity	29023.28	MU	23683	22038	18386
				(81.6)	(77.3)	(77.7)
	NLC INDIA LTD.					
190	Lignite	30.6	MT	25.45	26.54	26.61
				(83.16)	(86.73)	(86.96)
191	Power	27880.81	MU	19182	19729	19988
				(68.80)	(82.11)	(83.28)
	NLC TAMIL NADU POWER LTD.					
192	ELECTRICITY	8783.95	MU	3655		
				(41.61)		

NORTH EASTERN ELECTRIC POWER CORPORATION LTD.						
193	Electricity	6326.51	Million Units	5220	4356	4568
				(82.51)	(78.65)	(82.50)
NTPC LTD.						
194	Electricity Generation	307817.07	Million Units	241975	241262	233284
				(78.61)	(80.23)	(81.50)
NUCLEAR POWER CORPN. OF INDIA LTD.						
195	Generation of electricity through Nuclear Energy	49941.33	MUs	37456	37835	35332
				(75)	(82)	(83)
SJVN LTD.						
196	Hydro Power and Wind Generation	9017.87	MUs	9346.12	8136.082	7192.553
				(103.64)	(105.56)	(105.46)
THDC INDIA LTD.						
197	Electricity	5721.05	MU	4348	4214	5582
				(76)	(76)	(79)
POWER TRANSMISSION						
POWER GRID CORPORATION OF INDIA LTD.						
198	System Availability	NA	Percentage	99.72	99.78	99.92
199	Transformation Capacity	NA	MVA	254848	231709	205923
200	Transmission Lines	NA	CKM	129354	115637	106804

STATEMENT - 17
EXPENDITURE ON RESEARCH AND DEVELOPMENT IN CPSEs

(₹ in Crore)

Sl. No.	CPSE	Expenditure on R&D			R&D as % of Sales		
		2015-16	2014-15	2013-14	2015-16	2014-15	2013-14
1	AIRPORTS AUTHORITY OF INDIA	9.31	9.87	5.41	0.09	0.11	0.07
2	ANDREW YULE & COMPANY LTD.	0	0	0.14	0	0	0.04
3	ARTIFICIAL LIMBS MFG. CORPN. OF INDIA	1.2	0.35	0.33	0.63	0.22	0.2
4	BALMER LAWRIE & CO. LTD.	5.35	7.62	6.09	0.2	0.28	0.23
5	BEL OPTRONICS DEVICES LTD.	0.29	0.5	0.19	0.29	0.49	0.11
6	BEML LTD.	66.63	82.92	86.23	2.23	2.95	2.96
7	BHARAT COKING COAL LTD.	0.59	0	0	0.01	0	0
8	BHARAT DYNAMICS LTD.	29.43	22.72	19.89	0.78	0.82	1.12
9	BHARAT ELECTRONICS LTD.	704.27	0	467.01	9.65	0	7.44
10	BHARAT HEAVY ELECTRICALS LTD.	893.07	1018.59	1113.79	3.48	3.37	2.85
11	BHARAT PETROLEUM CORPN. LTD.	59.7	40.73	36.82	0.03	0.02	0.01
12	BHARAT PUMPS & COMPRESSORS LTD.	0	0	0.01	0	0	0.01
13	BHARAT SANCHAR NIGAM LTD.	79.47	75.22	71.12	0.28	0.28	0.27
14	BRIDGE & ROOF CO.(INDIA) LTD.	0.09	0.5	0.67	0.01	0.03	0.05
15	CENTRAL COALFIELDS LTD.	0.95	10.4	0	0.01	0.11	0
16	CENTRAL ELECTRONICS LTD.	0	0	4.62	0	0	2.87
17	CENTRAL WAREHOUSING CORPN.	0.38	0.1	0.43	0.02	0.01	0.03
18	CHENNAI PETROLEUM CORPORATION LTD.	6.97	6.49	7.36	0.03	0.02	0.01
19	COCHIN SHIPYARD LTD.	0	0.97	1.83	0	0.05	0.11
20	CONTAINER CORPORATION OF INDIA LTD.	0.07	1.09	1.05	0	0.02	0.02
21	COTTON CORPN. OF INDIA LTD.	0	0	0.15	0	0	0
22	ELECTRONICS CORPN. OF INDIA LTD.	0	23.2	47.43	0	1.83	3.41
23	ENGINEERS INDIA LTD.	16.92	17.68	20.93	1.13	1.03	1.11
24	FCI ARAVALI GYPSUM & MINERALS (INDIA) LTD.	0.21	0.36	0.43	0.33	0.44	0.49
25	FERRO SCRAP NIGAM LTD.	0	0.23	0.24	0	0.09	0.11
26	FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.	1.45	0.94	0.72	0.08	0.05	0.03
27	GAIL (INDIA) LTD.	76.49	17.01	28.45	0.15	0.03	0.05
28	GAIL GAS LTD.	0	0	0.15	0	0	0.02
29	GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.	15.2	3.52	2.92	0.89	0.22	0.18
30	GOA SHIPYARD LTD.	8.09	6.47	0.24	1.09	1.12	0.05
31	HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	0	0	0.54	0	0	0.02
32	HEAVY ENGINEERING CORPN. LTD.	0	0.76	0	0	0.21	0
33	HINDUSTAN ANTIBIOTICS LTD.	0.64	0.89	0.89	4.94	5.51	3.25
34	HINDUSTAN CABLES LTD.	0.53	0.56	0.43	0	0	0
35	HINDUSTAN COPPER LTD.	5.46	2.85	0.13	0.56	0.28	0.01
36	HINDUSTAN INSECTICIDES LTD.	0.28	0	1.33	0.09	0	0.44
37	HINDUSTAN NEWSPRINT LTD.	0.44	0.53	0	0.13	0.16	0
38	HINDUSTAN PETROLEUM CORPN. LTD.	180.32	129.87	100.62	0.1	0.06	0.05
39	HINDUSTAN SALTS LTD.	0	0.02	0	0	0.29	0
40	HLL BIOTECH LTD.	0	3.99	0	0	346.96	0
41	HLL LIFECARE LTD.	6.97	9.55	9.72	0.66	0.9	1.03
42	HMT LTD.	2.4	2.85	2.31	5.28	4.73	2.94
43	HMT MACHINE TOOLS LTD.	0	0	1.77	0	0	1.11
44	HMT WATCHES LTD.	0	0	0.35	0	0	4.67
45	HOUSING & URBAN DEV. CORPN. LTD.	2.64	2.15	0	0.08	0.06	0
46	I T I LTD.	16.38	12.94	17.23	1.38	2.25	2.43
47	INDIAN OIL CORPORATION LTD.	235.27	169.31	174.4	0.07	0.04	0.04
48	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	0	0.06	0.02	0	0.01	0
49	INDIAN RARE EARTHS LTD.	1.81	2.33	1.6	0.51	0.57	0.4
50	INSTRUMENTATION LTD.	0.15	0	0.02	0.14	0	0.01

51	IRCON INTERNATIONAL LTD.	0	0	0.96	0	0	0.02
52	KAMARAJAR PORT LTD.	1.27	1.09	1.38	0.21	0.19	0.27
53	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	0.37	0.27	0.27	0.12	0.11	0.12
54	KIOCL LTD.	0.17	0	0	0.09	0	0
55	MAHANADI COALFIELDLS LTD.	2.07	0	0	0.02	0	0
56	MANGALORE REFINERY & PETROCHEMICALS LTD.	0.55	5	0.89	0	0.01	0
57	MAZAGON DOCK SHIPBUILDERS LTD.	63.83	57.88	47.56	1.54	1.6	1.65
58	MECON LTD.	1.1	1.14	1.08	0.34	0.26	0.29
59	MINERAL EXPLORATION CORPN. LTD.	0	0.39	0.28	0	0.15	0.15
60	MISHRA DHATU NIGAM LTD.	4.58	8.45	7.97	0.64	1.31	1.44
61	MOIL LTD.	7.33	6	9.19	1.17	0.73	0.9
62	NATIONAL ALUMINIUM COMPANY LTD.	15.75	7.31	13.87	0.23	0.1	0.2
63	NATIONAL SEEDS CORPN. LTD.	0.01	0.11	0	0	0.01	0
64	NBCC (INDIA) LTD.	2.41	0	1.04	0.04	0	0.03
65	NEPA LTD.	1.22	0	0.98	1.71	0	0.7
66	NHDC LTD.	0.02	0.03	0.1	0	0	0.01
67	NHPC LTD.	5.04	3.89	4.78	0.07	0.06	0.09
68	NLC INDIA LTD.	13.82	13.16	14.34	0.21	0.22	0.24
69	NMDC Ltd.	17.74	18.49	17	0.27	0.15	0.14
70	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	1.11	1.26	1.53	0.07	0.08	0.12
71	NORTHERN COALFIELDS LTD.	1.83	14.15	0.24	0.02	0.15	0
72	NTPC LTD.	129.68	129.56	134.34	0.18	0.18	0.19
73	NUCLEAR POWER CORPN. OF INDIA LTD.	7.46	4.89	79.41	0.08	0.05	0.95
74	OIL & NATURAL GAS CORPORATION LTD.	539.74	544.53	529.61	0.69	0.66	0.63
75	OIL INDIA LTD.	46.76	71.11	38.75	0.48	0.73	0.4
76	P E C LTD.	0	0	0.16	0	0	0
77	POWER GRID CORPORATION OF INDIA LTD.	5.4	0	45.75	0.03	0	0.3
78	POWER SYSTEM OPERATION CORPORATION LTD.	0.21	0	0.1	0.13	0	0.05
79	PROJECTS & DEVELOPMENT INDIA LTD.	0.35	0.98	1.78	0.55	2.12	3.05
80	RAIL VIKAS NIGAM LTD.	0	1.03	1.24	0	0.03	0.05
81	RAILTEL CORPORATION INDIA LTD.	0	1	1	0	0.21	0.22
82	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	2.25	2.34	2.49	1.07	1.05	1.16
83	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	3.88	0	3.9	0.04	0	0.06
84	RASHTRIYA ISPAT NIGAM LTD.	21.74	0	0	0.24	0	0
85	RITES LTD.	0.12	0	0	0.01	0	0
86	RURAL ELECTRIFICATION CORPN. LTD.	0	0	0.22	0	0	0
87	SAMBHAR SALTS LTD.	0.06	5.56	0	0.31	29.36	0
88	SCOOTERS INDIA LTD.	0	0.09	0.09	0	0.06	0.05
89	SECURITY PRINTING & MINTING CORPN. INDIA LTD.	0.79	0.98	2.73	0.02	0.02	0.07
90	SJVN LTD.	2.76	1.92	4.97	0.11	0.07	0.27
91	STATE TRADING CORPN. OF INDIA LTD.	0.5	0	0	0	0	0
92	STEEL AUTHORITY OF INDIA LTD.	277	0	147.63	0.71	0	0.32
93	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	0.05	0	0.05	0	0	0.01
94	THDC INDIA LTD.	3.45	1.54	2.41	0.14	0.06	0.11
95	URANIUM CORPORATION OF INDIA LTD.	0	0	4.56	0	0	0.57
	TOTAL :	3611.84	2590.29	3360.66	46.9	415.31	55.09

STATEMENT - 18
COMPONENT OF INTERNAL RESOURCES OF CPSEs GENERATED DURING 2015-16

(₹ in Lakh)

Sl. No.	Cognate Group / CPSE	Depreciation	Impairment	Retained Profits	Deferred Tax	Total
	AGRO BASED INDUSTRIES					
1	NATIONAL SEEDS CORPN. LTD.	1831	0	2937	-272	4496
	SUB TOTAL:	1831	0	2937	-272	4496
	COAL					
2	BHARAT COKING COAL LTD.	20662	223	76820	-17124	80581
3	CENTRAL COALFIELDS LTD.	31821	731	16109	-10456	38205
4	EASTERN COALFIELDS LTD.	25106	3969	86802	-5752	110125
5	MAHANADI COALFIELDLS LTD.	28907	43	-15831	6070	19189
	SUB TOTAL:	106496	4966	163900	-27262	248100
	CRUDE OIL					
6	OIL & NATURAL GAS CORPORATION LTD.	1757118	-28398	725197	180242	2634159
7	OIL INDIA LTD.	96606	45374	117249	41428	300657
8	ONGC VIDESH LTD.	520230	0	-209355	-34675	276200
	SUB TOTAL:	2373954	16976	633091	186995	3211016
	OTHER MINERALS & METALS					
9	EASTERN INVESTMENT LTD.	0	0	110	-2	108
10	FCI ARAVALI GYPSUM & MINERALS (INDIA) LTD.	30	0	2185	172	2387
11	HINDUSTAN COPPER LTD.	12033	0	4356	-1982	14407
12	MOIL LTD.	5247	0	7167	-53	12361
13	NATIONAL ALUMINIUM COMPANY LTD.	42409	0	11016	482	53907
14	ORISSA MINERAL DEVELOPMENT COMPANY LTD.	700	0	872	94	1666
15	URANIUM CORPORATION OF INDIA LTD.	8581	0	6525	-296	14810
	SUB TOTAL:	69000	0	32231	-1585	99646
	STEEL					
16	FERRO SCRAP NIGAM LTD.	974	0	1349	-146	2177
17	MISHRA DHATU NIGAM LTD.	1352	0	7541	705	9598
18	SAIL REFRACTORY COMPANY LTD.	207	0	987	0	1194
	SUB TOTAL:	2533	0	9877	559	12969
	PETROLEUM (REFINERY & MARKETING)					
19	BHARAT PETROLEUM CORPN. LTD.	185430	0	479933	52064	717427
20	CHENNAI PETROLEUM CORPORATION LTD.	26566	0	65744	0	92310
21	GAIL (INDIA) LTD.	130504	805	145921	73843	351073
22	GAIL GAS LTD.	1373	0	2928	781	5082
23	HINDUSTAN PETROLEUM CORPN. LTD.	266677	0	245665	56578	568920
24	INDIAN OIL CORPORATION LTD.	485279	0	632025	278481	1395785
25	MANGALORE REFINERY & PETROCHEMICALS LTD.	71240	0	114816	9792	195848
26	NUMALIGARH REFINERY LTD.	20389	0	60257	-3753	76893
	SUB TOTAL:	1187458	805	1747289	467786	3403338
	FERTILIZERS					
27	BRAHMAPUTRA VALLEY FERTILIZER CORPN. LTD.	3612	776	2850	0	7238
28	FERTILIZER CORPN. OF INDIA LTD.	14	0	865	0	879
29	HINDUSTAN FERTILIZER CORPN. LTD.	11	0	934014	4	934029
30	NATIONAL FERTILIZERS LTD.	8003	0	12565	9591	30159
31	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	13594	919	11819	1387	27719
	SUB TOTAL:	25234	1695	962113	10982	1000024
	CHEMICALS & PHARMACEUTICALS					
32	GOA ANTIBIOTICS & PHARMACEUTICALS LTD.	45	0	230	-22	253
33	HINDUSTAN INSECTICIDES LTD.	496	0	183	0	679
34	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	339	0	1708	-52	1995
35	ORISSA DRUGS & CHEMICALS LTD.	23	0	146	0	169
	SUB TOTAL:	903	0	2267	-74	3096
	HEAVY ENGINEERING					
36	BRAITHWAITE & CO. LTD.	173	0	64	0	237
	SUB TOTAL:	173	0	64	0	237
	MEDIUM & LIGHT ENGINEERING					

Sl. No.	Cognate Group / CPSE	Depreciation	Impairment	Retained Profits	Deferred Tax	Total
37	ANDREW YULE & COMPANY LTD.	667	0	835	-23	1479
38	BALMER LAWRIE & CO. LTD.	2720	0	9427	-645	11502
39	BEL Optronics DEVICES LTD.	2611	0	243	145	2999
40	BHARAT DYNAMICS LTD.	4980	0	31784	-3146	33618
41	BHARAT ELECTRONICS LTD.	16893	0	86661	-3453	100101
42	CENTRAL ELECTRONICS LTD.	399	0	856	0	1255
43	ELECTRONICS CORPN. OF INDIA LTD.	2197	0	5660	-1547	6310
44	I T I LTD.	1290	0	25119	0	26409
45	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	182	0	693	-45	830
46	SCOOTERS INDIA LTD.	189	0	548	0	737
47	VIGNYAN INDUSTRIES LTD.	71	0	45	-19	97
	SUB TOTAL:	32199	0	161871	-8733	185337
	TRANSPORTATION EQUIPMENT					
48	BEML LTD.	5321	0	3260	-214	8367
49	COCHIN SHIPYARD LTD.	3719	0	17073	-1433	19359
50	GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.	2780	0	9667	-479	11968
51	GOA SHIPYARD LTD.	882	0	3948	821	5651
52	HINDUSTAN AERONAUTICS LTD.	85445	0	89874	-3555	171764
53	HINDUSTAN SHIPYARD LTD.	698	0	1900	0	2598
54	MAZAGON DOCK SHIPBUILDERS LTD.	3150	0	39807	-3726	39231
	SUB TOTAL:	101995	0	165529	-8586	258938
	CONSUMER GOODS					
55	ARTIFICIAL LIMBS MFG. CORPN. OF INDIA	111	0	4620	0	4731
56	CEMENT CORPN. OF INDIA LTD.	789	0	5351	0	6140
57	HINDUSTAN NEWSPRINT LTD.	707	0	142	204	1053
58	HLL LIFECARE LTD.	3652	0	2422	-33	6041
59	HOOGHLY PRINTING COMPANY LTD.	26	0	13	5	44
60	SECURITY PRINTING & MINTING CORPN. INDIA LTD.	13986	1	12976	-14838	12125
	SUB TOTAL:	19271	1	25524	-14662	30134
	TEXTILES					
61	NATIONAL JUTE MANUFACTURES CORPORATION LTD.	102	0	731	0	833
62	NATIONAL TEXTILE CORPN. LTD.	16596	0	1648	0	18244
	SUB TOTAL:	16698	0	2379	0	19077
	POWER GENERATION					
63	NHDC LTD.	25527	0	14812	-113	40226
64	NHPC LTD.	145214	0	46556	3524	195294
65	NLC INDIA LTD.	59923	0	59933	68669	188525
66	NLC TAMIL NADU POWER LTD.	26862	0	-16003	-8469	2390
67	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	11883	0	23804	-4497	31190
68	NTPC LTD.	542532	0	692242	17315	1252089
69	NUCLEAR POWER CORPN. OF INDIA LTD.	72535	0	174430	-303	246662
70	REC POWER DISTRIBUTION CO. LTD.	55	0	2311	-127	2239
71	SJVN LTD.	67716	0	86082	-6726	147072
72	THDC INDIA LTD.	49277	0	61404	-16374	94307
	SUB TOTAL:	1001524	0	1145571	52899	2199994
	POWER TRANSMISSION					
73	NTPC ELECTRIC SUPPLY COMPANY LTD.	0	0	91	0	91
74	POWER GRID CORPORATION OF INDIA LTD.	618276	0	457239	1722	1077237
75	REC TRANSMISSION PROJECTS CO. LTD.	3	0	1840	0	1843
	SUB TOTAL:	618279	0	459170	1722	1079171
	TRADING & MARKETING					
76	ANTRIX CORPORATION LTD.	115	0	13330	-66	13379
77	CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.	97	0	10	-32	75
78	CENTRAL RAILSIDE WAREHOUSE CO. LTD.	945	0	625	138	1708
79	CENTRAL WAREHOUSING CORPN.	3498	62	12624	1444	17628
80	COTTON CORPN. OF INDIA LTD.	274	0	746	337	1357
81	FOOD CORPN. OF INDIA	7714	0	0	0	7714

Sl. No.	Cognate Group / CPSE	Depreciation	Impairment	Retained Profits	Deferred Tax	Total
82	HMT (INTERNATIONAL) LTD.	14	0	32	-3	43
83	INDIA TRADE PROMOTION ORGANISATION	486	0	16528	0	17014
84	KARNATAKA TRADE PROMOTION ORGANISATION	78	0	765	0	843
85	M M T C LTD.	463	0	1875	-140	2198
86	M S T C LTD.	361	0	3817	-674	3504
87	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	41	0	1528	-56	1513
88	NTPC VIDYUT VYAPAR NIGAM LTD.	13	0	2625	-2	2636
89	SIDCUL CONCOR INFRA COMPANY LTD.	50	0	197	53	300
90	STATE TRADING CORPN. OF INDIA LTD.	1588	0	1786	0	3374
91	TAMIL NADU TRADE PROMOTION ORGANISATION	408	0	2117	0	2525
92	THE JUTE CORPN. OF INDIA LTD.	9	0	1089	25	1123
SUB TOTAL:		16154	62	59694	1024	76934
TRANSPORT SERVICES						
93	AIR INDIA AIR TRANSPORT SERVICES LTD.	1700	0	6879	0	8579
94	AIR INDIA CHARTERS LTD.	24074	0	36168	0	60242
95	AIRPORTS AUTHORITY OF INDIA	140145	0	162120	-38111	264154
96	CONCOR AIR LTD.	126	0	981	-34	1073
97	CONTAINER CORPORATION OF INDIA LTD.	36460	0	47014	-1026	82448
98	DREDGING CORPN. OF INDIA LTD.	9821	0	6956	0	16777
99	KAMARAJAR PORT LTD.	1908	0	22434	0	24342
100	PAWAN HANS LTD.	3499	0	3728	1005	8232
101	PETRONET CCK LTD.	696	0	5941	-74	6563
102	SHIPPING CORPORATION OF INDIA LTD.	57995	13638	37729	0	109362
SUB TOTAL:		276424	13638	329950	-38240	581772
CONTRACT & CONSTRUCTION SERVICES						
103	BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LTD.	116	0	2837	0	2953
104	BRIDGE & ROOF CO.(INDIA) LTD.	865	0	265	-111	1019
105	HINDUSTAN PREFAB LTD.	26	0	1006	0	1032
106	HINDUSTAN STEELWORKS COSTN. LTD.	284	0	3690	17	3991
107	INDIAN RAILWAY STATIONS DEVPT. CORPORATION LTD.	0	0	115	4	119
108	IRCON INFRASTRUCTURE & SERVICES LTD.	304	0	1422	457	2183
109	IRCON INTERNATIONAL LTD.	2618	0	17675	5229	25522
110	KONKAN RAILWAY CORPORATION LTD.	5411	0	12950	0	18361
111	MINERAL EXPLORATION CORPN. LTD.	503	0	4899	-60	5342
112	MUMBAI RAILWAY VIKAS CORPORATION LTD.	226	0	4021	0	4247
113	NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPN. LTD.	57	0	1123	12	1192
114	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	54	0	1081	136	1271
115	NBCC (INDIA) LTD.	223	0	16437	-1197	15463
116	NBCC SERVICES LTD.	0	0	577	0	577
117	RAIL VIKAS NIGAM LTD.	467	0	14888	0	15355
SUB TOTAL:		11154	0	82986	4487	98627
INDUSTRIAL DEVELOPMENT & TECH.CONULTANCY SERVICES						
118	AGRINNOVATE INDIA LTD.	28	0	247	0	275
119	CENTRAL MINE PLANNING & DESIGN INSTITUTE LTD.	1266	0	2848	596	4710
120	CERTIFICATION ENGINEERS INTERNATIONAL LTD.	20	0	326	0	346
121	EdCIL(India) Ltd.	35	0	1893	-223	1705
122	ENGINEERING PROJECTS (INDIA) LTD.	114	0	1153	-332	935
123	ENGINEERS INDIA LTD.	2481	0	9712	1252	13445
124	HLL INFRA TECH SERVICES LTD.	0	0	74	0	74
125	HSCC (INDIA) LTD.	63	0	3490	-180	3373
126	IIFCL PROJECTS LTD.	7	0	235	0	242
127	NATIONAL INFORMATICS CENTRE SERVICES INCORPORATED	576	0	6873	-301	7148
128	NATIONAL RESEARCH DEVELOPMENT CORPN.	8	0	5	2	15
129	NATIONAL SMALL INDUSTRIES CORPN. LTD.	434	0	6650	-463	6621
130	PFC CAPITAL ADVISORY SERVICE LTD.	0	0	133	1	134

Sl. No.	Cognate Group / CPSE	Depreciation	Impairment	Retained Profits	Deferred Tax	Total
131	PFC CONSULTING LTD.	26	0	3706	9	3741
132	POWER SYSTEM OPERATION CORPORATION LTD.	943	0	4977	2255	8175
133	RAILWAY ENERGY MANAGEMENT COMPANY LTD.	281	0	314	156	751
134	RITES LTD.	3232	0	17523	1713	22468
135	SOLAR ENERGY CORPORATION OF INDIA	44	0	1681	479	2204
136	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	1327	0	3212	-1609	2930
137	WAPCOS LTD.	340	0	5330	-1451	4219
SUB TOTAL:		11225	0	70382	1904	83511
TOURIST SERVICES						
138	DONYI POLO ASHOK HOTEL LTD.	9	0	1	1	11
139	INDIA TOURISM DEV. CORPN. LTD.	803	0	706	-243	1266
140	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	2054	0	9782	0	11836
141	PONDICHERRY ASHOK HOTEL CORPN. LTD.	24	0	-21	1	4
SUB TOTAL:		2890	0	10468	-241	13117
FINANCIAL SERVICES						
142	BALMER LAWRIE INVESTMENTS LTD.	0	0	788	0	788
143	BIOTECHNOLOGY INDUSTRY RESEARCH ASSISTANCE COUNCIL	69	0	328	0	397
144	DELHI POLICE HOUSING CORPORATION LTD.	0	0	115	0	115
145	E. C. G. C. LTD.	354	0	19800	-4098	16056
146	HOUSING & URBAN DEV. CORPN. LTD.	451	0	66342	-2122	64671
147	IIFCL ASSET MANAGEMENT COMPANY LTD.	4	0	94	-5	93
148	INDIA INFRASTRUCTURE FINANCE CO. LTD.	26	0	46850	5307	52183
149	INDIAN RAILWAY FINANCE CORPORATION LTD.	35	0	44010	68509	112554
150	INDIAN RENEWABLE ENERGY DEVT.AGENCY LTD.	427	0	11750	-528	11649
151	KUMARAKRUPPA FRONTIER HOTELS LTD.	2	0	97	-10	89
152	NATIONAL BACKWARD CLASSES FINANCE & DEVP.CO.	8	0	2406	0	2414
153	NATIONAL HANDICAPPED FINANCE & DEVPT. CORPN.	12	0	838	0	850
154	NATIONAL MINORITIES DEVP. & FINANCE CORPORATION	60	0	2305	0	2365
155	NATIONAL SAFAI KARAMCHARIS FINANCE & DEVPT. CORPN	13	0	1139	0	1152
156	NATIONAL SCHEDULED CASTES FINANCE & DEVP. CORPN.	37	0	4405	0	4442
157	NATIONAL SCHEDULED TRIBES FINANCE & DEVP. CORPN.	31	0	2168	0	2199
158	PFC GREEN ENERGY LTD.	1	0	2260	18	2279
159	POWER FINANCE CORPORATION LTD.	617	0	390576	11281	402474
160	RURAL ELECTRIFICATION CORPN. LTD.	545	0	359740	-5757	354528
SUB TOTAL:		2692	0	956011	72595	1031298
TELECOMMUNICATION SERVICES						
161	BHARAT SANCHAR NIGAM LTD.	713511	0	-387992	-28939	296580
162	MILLENNIUM TELECOM LTD.	0	0	29	0	29
163	RAILTEL CORPORATION INDIA LTD.	8068	0	5384	3856	17308
164	RAILTEL ENTERPRISES LTD.	0	0	75	0	75
SUB TOTAL:		721579	0	-382504	-25083	313992
ENTERPRISES UNDER CONSTRUCTION						
165	SETHUSAMUDRAM CORPN. LTD.	0	0	329	0	329
SUB TOTAL:		0	0	329	0	329
GRAND TOTAL:		6599666	38143	6641129	676215	13955153

STATEMENT - 19

INTERNAL RESOURCES UTILIZED AS % OF FIXED ASSETS AS ON 31.3.2016

(₹ in Lakh)

Sl. No.	CPSE	Gross Block + Capital WIP	Internal Resources Utilised	% of Internal Resources Utilised to Fixed Assets
1	AIR INDIA AIR TRANSPORT SERVICES LTD.	30992	13842	44.66
2	AIR INDIA CHARTERS LTD.	491518	201237	40.94
3	AIR INDIA ENGINEERING SERVICES LTD.	27007	16668	61.72
4	AIRPORTS AUTHORITY OF INDIA	2228184	120177	5.39
5	ANDREW YULE & COMPANY LTD.	26940	11531	42.8
6	ANTRIX CORPORATION LTD.	1903	400	21.02
7	ASSAM ASHOK HOTEL CORPN. LTD.	509	461	90.57
8	BALLABGARH - GN TRANSMISSION CO. LTD.	70	5	7.14
9	BALMER LAWRIE & CO. LTD.	65641	2849	4.34
10	BEL OPTRONICS DEVICES LTD.	32856	3784	11.52
11	BEML LTD.	145292	40443	27.84
12	BHARAT BROADBAND NETWORK LTD.	120894	6000	4.96
13	BHARAT COKING COAL LTD.	600665	465700	77.53
14	BHARAT DYNAMICS LTD.	130176	9775	7.51
15	BHARAT ELECTRONICS LTD.	319638	24000	7.51
16	BHARAT HEAVY ELECTRICALS LTD.	1361331	61581	4.52
17	BHARAT IMMUNOLOGICALS & BIOLOGICALS CORP. LTD.	4541	4318	95.09
18	BHARAT PETROLEUM CORPN. LTD.	5914857	1440877	24.36
19	BHARAT PUMPS & COMPRESSORS LTD.	10468	5353	51.14
20	BHARAT SANCHAR NIGAM LTD.	17373880	1748974	10.07
21	BHARTIYA RAIL BIJLEE CO. LTD.	586383	548869	93.6
22	BHEL ELECTRICAL MACHINES LTD.	1092	1050	96.15
23	BIOTECHNOLOGY INDUSTRY RESEARCH ASSISTANCE COUNCIL	306	100	32.68
24	BRAHAMPUTRA CRACKERS & POLYMER LTD.	878322	398714	45.39
25	BRAHMAPUTRA VALLEY FERTILIZER CORPN. LTD.	114225	93858	82.17
26	BRAITHWAITE & CO. LTD.	6848	3575	52.21
27	BRIDGE & ROOF CO.(INDIA) LTD.	25943	5499	21.2
28	BROADCAST ENGG. CONSULTANTS INDIA LTD.	2275	137	6.02
29	BURN STANDARD COMPANY LTD.	54302	22454	41.35
30	CENTRAL COALFIELDS LTD.	653140	94000	14.39
31	CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.	2578	1165	45.19
32	CENTRAL MINE PLANNING & DESIGN INSTITUTE LTD.	29449	1904	6.47
33	CENTRAL RAILSIDE WAREHOUSE CO. LTD.	20559	8797	42.79
34	CENTRAL WAREHOUSING CORPN.	176652	6802	3.85
35	CERTIFICATION ENGINEERS INTERNATIONAL LTD.	433	100	23.09
36	CHENNAI PETROLEUM CORPORATION LTD.	1014251	214900	21.19
37	CHHATTISHGARH SURGUJA POWER LTD.	5696	4830	84.8
38	COASTAL KARNATAKA POWER LTD.	440	166	37.73
39	COASTAL TAMIL NADU POWER LTD.	8145	5	0.06
40	COCHIN SHIPYARD LTD.	68562	23628	34.46
41	CONTAINER CORPORATION OF INDIA LTD.	612679	19497	3.18
42	COTTON CORPN. OF INDIA LTD.	9164	2500	27.28
43	DEOGHAR MEGA POWER LTD.	868	649	74.77
44	DINGCHANG TRANSMISSION LTD.	52	5	9.62
45	DONYI POLO ASHOK HOTEL LTD.	192	100	52.08
46	DREDGING CORPN. OF INDIA LTD.	324608	91721	28.26
47	EASTERN COALFIELDS LTD.	720388	443742	61.6
48	EdCIL(India) Ltd.	1074	200	18.62

Sl. No.	CPSE	Gross Block + Capital WIP	Internal Resources Utilised	% of Internal Resources Utilised to Fixed Assets
49	ELECTRONICS CORPN. OF INDIA LTD.	32895	16337	49.66
50	ENGINEERS INDIA LTD.	49541	16847	34.01
51	FCI ARAVALI GYPSUM & MINERALS (INDIA) LTD.	1633	733	44.89
52	FERRO SCRAP NIGAM LTD.	18700	200	1.07
53	GAIL (INDIA) LTD.	4678045	704976	15.07
54	GAIL GAS LTD.	69051	55888	80.94
55	GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.	58868	14579	24.77
56	GOA SHIPYARD LTD.	41141	5012	12.18
57	HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	1877	1382	73.63
58	HIGH SPEED RAIL CORPORATION OF INDIA LTD.	15	11	73.33
59	HINDUSTAN AERONAUTICS LTD.	1471432	36552	2.48
60	HINDUSTAN COPPER LTD.	210425	66976	31.83
61	HINDUSTAN FLUOROCARBONS LIMITED	8085	2989	36.97
62	HINDUSTAN INSECTICIDES LTD.	16451	10115	61.49
63	HINDUSTAN NEWSPRINT LTD.	52172	10694	20.5
64	HINDUSTAN ORGANIC CHEMICALS LTD.	65256	62054	95.09
65	HINDUSTAN PETROLEUM CORPN. LTD.	5692552	1097249	19.28
66	HINDUSTAN PHOTO FILMS MANUFACTURING CO. LTD.	71577	44439	62.09
67	HINDUSTAN STEELWORKS COSTN. LTD.	11980	3430	28.63
68	HLL LIFECARE LTD.	55324	33137	59.9
69	HMT (INTERNATIONAL) LTD.	834	72	8.63
70	HOOGHLY PRINTING COMPANY LTD.	643	109	16.95
71	HPCL RAJASTHAN REFINERY LTD.	2769	5	0.18
72	HSCC (INDIA) LTD.	1282	240	18.72
73	I T I LTD.	382957	108000	28.2
74	IDPL (TAMILNADU) LTD.	5994	4865	81.16
75	INDIA TOURISM DEV. CORPN. LTD.	16539	8577	51.86
76	INDIA TRADE PROMOTION ORGANISATION	11525	25	0.22
77	INDIAN OIL CORPORATION LTD.	17158122	2737119	15.95
78	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	31251	2000	6.4
79	INDIAN RARE EARTHS LTD.	64636	8637	13.36
80	IRCON INTERNATIONAL LTD.	51729	1980	3.83
81	J & K MINERAL DEVELOPMENT CORPN. LTD.	3324	2974	89.47
82	KAMARAJAR PORT LTD.	211043	99024	46.92
83	KANTI BIJLEE UTPADAN NIGAM LTD.	408082	333024	81.61
84	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	6827	1659	24.3
85	KARNATAKA TRADE PROMOTION ORGANISATION	2921	2818	96.47
86	KHARGONE TRANSMISSION LTD.	42	5	11.9
87	KIOCL LTD.	121274	63451	52.32
88	KOHIMA-MARIANI TRANSMISSION LTD.	24	1	4.17
89	M M T C LTD.	20644	10000	48.44
90	M S T C LTD.	1723	880	51.07
91	MADHYA PRADESH ASHOK HOTEL CORPN. LTD.	684	160	23.39
92	MADRAS FERTILIZERS LTD.	97736	32824	33.58
93	MAHANADI COALFIELDLS LTD.	739999	19361	2.62
94	MAHANAGAR TELEPHONE NIGAM LTD.	2736786	968897	35.4
95	MANGALORE REFINERY & PETROCHEMICALS LTD.	2269353	857309	37.78
96	MAZAGON DOCK SHIPBUILDERS LTD.	65881	28029	42.54
97	MECON LTD.	17860	4014	22.47
98	MEDINIPUR-JEERAT TRANSMISSION LTD.	26	1	3.85
99	MISHRA DHATU NIGAM LTD.	42527	19711	46.35
100	MOHINDER GARH-BHIWANI TRANSMISSION LTD.	48	5	10.42

Sl. No.	CPSE	Gross Block + Capital WIP	Internal Resources Utilised	% of Internal Resources Utilised to Fixed Assets
101	MOIL LTD.	75228	16800	22.33
102	MUMBAI RAILWAY VIKAS CORPORATION LTD.	5458	2500	45.8
103	NATIONAL ALUMINIUM COMPANY LTD.	1616490	128862	7.97
104	NATIONAL FERTILIZERS LTD.	731993	147564	20.16
105	NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPN. LTD.	158128	5	0
106	NATIONAL INFORMATICS CENTRE SERVICES INCORPORATED	8737	200	2.29
107	NATIONAL SEEDS CORPN. LTD.	24264	5792	23.87
108	NER-II TRANSMISSION LTD.	149	5	3.36
109	NHDC LTD.	768399	196258	25.54
110	NHPC LTD.	5119047	2945595	57.54
111	NLC INDIA LTD.	2138035	484336	22.65
112	NLC TAMIL NADU POWER LTD.	688499	584673	84.92
113	NMDC Ltd.	1345327	39647	2.95
114	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	1325563	889713	67.12
115	NORTH KARANPURA TRANSCO LTD.	45	5	11.11
116	NORTHERN COALFIELDS LTD.	858996	17767	2.07
117	NRSS XXXVI TRANSMISSION LTD.	73	5	6.85
118	NTPC LTD.	21327309	9332872	43.76
119	NUCLEAR POWER CORPN. OF INDIA LTD.	5972568	3360736	56.27
120	NUMALIGARH REFINERY LTD.	483557	123313	25.5
121	ODISHA INFRAPOWER LTD.	16	5	31.25
122	OIL & NATURAL GAS CORPORATION LTD.	25659789	427776	1.67
123	OIL INDIA LTD.	1896638	979989	51.67
124	ONGC MANGALORE PETROCHEMICALS LTD.	722126	403704	55.9
125	ONGC VIDESH LTD.	12421781	4828145	38.87
126	ORISSA INTEGRATED POWER LTD.	25371	5	0.02
127	ORISSA MINERAL DEVELOPMENT COMPANY LTD.	16022	60	0.37
128	PATRATU VIDYUT UTPADAN NIGAM LTD.	460	210	45.65
129	PAWAN HANS LTD.	143353	74725	52.13
130	PETRONET CCK LTD.	33953	10000	29.45
131	PFC CONSULTING LTD.	152	5	3.29
132	PONDICHERRY ASHOK HOTEL CORPN. LTD.	374	160	42.78
133	POWER GRID CORPORATION OF INDIA LTD.	19386188	10547134	54.41
134	POWER GRID JABALPUR TRANSMISSION LTD.	2110	239	11.33
135	POWER GRID PARLI TRANSMISSION LTD.	2409	533	22.13
136	POWER GRID SOUTHERN INTERCONNECTOR TRANSMISSION SYSTEM LTD.	3625	1569	43.28
137	POWER GRID WARORA TRANSMISSION LTD.	2957	1222	41.33
138	POWER SYSTEM OPERATION CORPORATION LTD.	17963	3064	17.06
139	POWERGRID NM TRANSMISSION LTD.	72242	55951	77.45
140	POWERGRID UNCHAHAR TRANSMISSION LTD.	4252	2617	61.55
141	POWERGRID VIZAG TRANSMISSION LTD.	108907	87709	80.54
142	PROJECTS & DEVELOPMENT INDIA LTD.	6909	1730	25.04
143	PUNJAB ASHOK HOTEL COMPANY LTD.	291	250	85.91
144	PUNJAB LOGISTIC INFRASTRUCTURE LTD.	15422	14971	97.08
145	RAILTEL CORPORATION INDIA LTD.	171873	86588	50.38
146	RAJASTHAN DRUGS & PHARMACEUTICALS LTD.	2292	499	21.77
147	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	3462	1225	35.38
148	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	433842	70457	16.24
149	RASHTRIYA ISPAT NIGAM LTD.	2813471	869533	30.91
150	REC POWER DISTRIBUTION CO. LTD.	217	48	22.12
151	REC TRANSMISSION PROJECTS CO. LTD.	14	5	35.71

Sl. No.	CPSE	Gross Block + Capital WIP	Internal Resources Utilised	% of Internal Resources Utilised to Fixed Assets
152	RICHARDSON & CRUDDAS(1972) LTD.	16271	5484	33.7
153	RITES INFRASTRUCTURE SERVICES LTD.	614	5	0.81
154	RITES LTD.	46653	10000	21.43
155	SAIL REFRACTORY COMPANY LTD.	2504	5	0.2
156	SECURITY PRINTING & MINTING CORPN. INDIA LTD.	307585	236493	76.89
157	SHIPPING CORPORATION OF INDIA LTD.	1815440	506381	27.89
158	SJVN LTD.	1359908	660069	48.54
159	SJVN THERMAL PVT. LTD.	43946	43668	99.37
160	SOUTH -CENTRAL EAST DELHI POWER TRANSMISSION LTD.	7	5	71.43
161	SOUTH EASTERN COALFIELDS LTD.	1084379	35970	3.32
162	STATE TRADING CORPN. OF INDIA LTD.	102343	6000	5.86
163	STCL LTD.	1058	150	14.18
164	STEEL AUTHORITY OF INDIA LTD.	10020174	2011125	20.07
165	TAMIL NADU TRADE PROMOTION ORGANISATION	7420	528	7.12
166	TANDA TRANSMISSION COMPANY LTD.	140	5	3.57
167	TCIL LAKHNADONE TOLL ROAD LTD.	7695	7599	98.75
168	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	18962	15420	81.32
169	THDC INDIA LTD.	1397115	705680	50.51
170	TUNGABHADRA STEEL PRODUCTS LTD.	2033	1375	67.63
171	URANIUM CORPORATION OF INDIA LTD.	382319	159062	41.6
172	VIGNYAN INDUSTRIES LTD.	1694	279	16.47
173	WESTERN COALFIELDS LTD.	633365	29710	4.69
		195156064	54848107	28.1

STATEMENT - 20

FOREIGN EXCHANGE EARNINGS OF CPSEs FOR 2014-15 AND 2015-16

(₹ in Lakh)

Sl. No.	Cognate Group / CPSE	Year	Exports of goods (FOB Basis)	Royalty, know how, professional & Consultancy Fee	Interest & Dividend	Other income	Total
	AGRO BASED INDUSTRIES						
1	NATIONAL SEEDS CORPN. LTD.	2014-15	0	0	0	0	0
		2015-16	162	0	0	0	162
	SUB TOTAL :	2014-15	0	0	0	0	0
		2015-16	162	0	0	0	162
	CRUDE OIL						
2	OIL & NATURAL GAS CORPORATION LTD.	2014-15	501535	24	0	721	502280
		2015-16	302812	210	0	299	303321
3	OIL INDIA LTD.	2014-15	0	0	0	23	23
		2015-16	0	0	0	2375	2375
4	ONGC VIDESH LTD.	2014-15	910864	0	2506	60978	974348
		2015-16	703301	0	3372	61499	768172
	SUB TOTAL :	2014-15	1412399	24	2506	61722	1476651
		2015-16	1006113	210	3372	64173	1073868
	OTHER MINERALS & METALS						
5	HINDUSTAN COPPER LTD.	2014-15	2041	0	0	0	2041
		2015-16	13640	0	0	0	13640
6	INDIAN RARE EARTHS LTD.	2014-15	12942	0	0	0	12942
		2015-16	13794	0	0	0	13794
7	NATIONAL ALUMINIUM COMPANY LTD.	2014-15	315948	0	0	123	316071
		2015-16	295317	0	0	5501	300818
	SUB TOTAL :	2014-15	330931	0	0	123	331054
		2015-16	322751	0	0	5501	328252
	STEEL						
8	RASHTRIYA ISPAT NIGAM LTD.	2014-15	86639	0	0	209	86848
		2015-16	118963	0	0	933	119896
9	STEEL AUTHORITY OF INDIA LTD.	2014-15	156768	0	0	0	156768
		2015-16	55713	0	0	0	55713
	SUB TOTAL :	2014-15	243407	0	0	209	243616
		2015-16	174676	0	0	933	175609
	PETROLEUM (REFINERY & MARKETING)						
10	BHARAT PETROLEUM CORPN. LTD.	2014-15	1236427	0	0	0	1236427
		2015-16	708997	0	0	4798	713795
11	GAIL (INDIA) LTD.	2014-15	60006	0	1448	2995	64449
		2015-16	71663	0	11113	3878	86654
12	HINDUSTAN PETROLEUM CORPN. LTD.	2014-15	531398	0	0	0	531398
		2015-16	181068	0	0	0	181068
13	INDIAN OIL CORPORATION LTD.	2014-15	1566756	40	0	34203	1600999
		2015-16	1387405	33	72	4856	1392366
14	MANGALORE REFINERY & PETROCHEMICALS LTD.	2014-15	1950784	0	0	0	1950784
		2015-16	874615	0	0	0	874615
15	NUMALIGARH REFINERY LTD.	2014-15	0	0	0	0	0
		2015-16	0	0	0	87	87
	SUB TOTAL :	2014-15	5345371	40	1448	37198	5384057
		2015-16	3223748	33	11185	13619	3248585
	FERTILIZERS						
16	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	2014-15	73	0	0	0	73
		2015-16	0	0	0	0	0
	SUB TOTAL :	2014-15	73	0	0	0	73
		2015-16	0	0	0	0	0
	CHEMICALS & PHARMACEUTICALS						
17	HINDUSTAN ANTIBIOTICS LTD.	2014-15	13	0	0	0	13

Sl. No.	Cognate Group / CPSE	Year	Exports of goods (FOB Basis)	Royalty, know how, professional & Consultancy Fee	Interest & Dividend	Other income	Total
		2015-16	0	0	0	0	0
18	HINDUSTAN FLUOROCARBONS LIMITED	2014-15	8	0	0	0	8
		2015-16	33	0	0	0	33
19	HINDUSTAN INSECTICIDES LTD.	2014-15	3025	0	0	0	3025
		2015-16	2866	0	0	0	2866
20	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	2014-15	2891	0	0	0	2891
		2015-16	0	0	0	0	0
21	ONGC MANGALORE PETROCHEMICALS LTD.	2014-15	0	0	0	0	0
		2015-16	352206	0	0	0	352206
	SUB TOTAL :	2014-15	5937	0	0	0	5937
		2015-16	355105	0	0	0	355105
	HEAVY ENGINEERING						
22	BHARAT HEAVY ELECTRICALS LTD.	2014-15	74736	0	272	468342	543350
		2015-16	28663	0	154	336168	364985
	SUB TOTAL :	2014-15	74736	0	272	468342	543350
		2015-16	28663	0	154	336168	364985
	MEDIUM & LIGHT ENGINEERING						
23	ANDREW YULE & COMPANY LTD.	2014-15	0	0	0	0	0
		2015-16	449	0	0	0	449
24	BALMER LAWRIE & CO. LTD.	2014-15	1350	8712	2504	22	12588
		2015-16	1007	8359	1033	89	10488
25	BHARAT DYNAMICS LTD.	2014-15	0	0	0	155	155
		2015-16	143	22	0	0	165
26	BHARAT ELECTRONICS LTD.	2014-15	0	0	0	0	0
		2015-16	55873	0	0	0	55873
27	CENTRAL ELECTRONICS LTD.	2014-15	109	0	0	0	109
		2015-16	75	0	0	0	75
28	ELECTRONICS CORPN. OF INDIA LTD.	2014-15	38	0	0	0	38
		2015-16	127	0	0	0	127
29	HMT LTD.	2014-15	5	0	0	0	5
		2015-16	19	0	0	0	19
30	HMT MACHINE TOOLS LTD.	2014-15	240	0	0	0	240
		2015-16	24	0	0	0	24
31	I T I LTD.	2014-15	0	0	0	0	0
		2015-16	0	0	0	344	344
32	INSTRUMENTATION LTD.	2014-15	5	0	0	0	5
		2015-16	39	0	0	0	39
33	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	2014-15	154	0	0	2	156
		2015-16	23	0	0	3	26
34	RICHARDSON & CRUDDAS(1972) LTD.	2014-15	0	0	0	0	0
		2015-16	0	0	0	11	11
	SUB TOTAL :	2014-15	1901	8712	2504	179	13296
		2015-16	57779	8381	1033	447	67640
	TRANSPORTATION EQUIPMENT						
35	BEML LTD.	2014-15	25846	0	0	0	25846
		2015-16	14000	0	0	0	14000
36	COCHIN SHIPYARD LTD.	2014-15	0	0	0	0	0
		2015-16	11472	0	0	0	11472
37	GOA SHIPYARD LTD.	2014-15	20650	0	0	0	20650
		2015-16	22736	0	0	0	22736
38	HINDUSTAN AERONAUTICS LTD.	2014-15	41475	0	0	254	41729
		2015-16	35659	0	0	4826	40485
39	HINDUSTAN SHIPYARD LTD.	2014-15	0	0	0	100	100
		2015-16	0	0	0	0	0
40	MAZAGON DOCK SHIPBUILDERS LTD.	2014-15	27954	0	0	0	27954
		2015-16	0	0	0	0	0
	SUB TOTAL :	2014-15	115925	0	0	354	116279
		2015-16	83867	0	0	4826	88693

Sl. No.	Cognate Group / CPSE	Year	Exports of goods (FOB Basis)	Royalty, know how, professional & Consultancy Fee	Interest & Dividend	Other income	Total
	CONSUMER GOODS						
41	ARTIFICIAL LIMBS MFG. CORPN. OF INDIA	2014-15	13	0	0	0	13
		2015-16	2	0	0	0	2
42	HLL LIFECARE LTD.	2014-15	13552	0	0	1106	14658
		2015-16	12261	0	0	567	12828
43	SECURITY PRINTING & MINTING CORPN. INDIA LTD.	2014-15	0	0	0	2284	2284
		2015-16	0	0	0	0	0
	SUB TOTAL :	2014-15	13565	0	0	3390	16955
		2015-16	12263	0	0	567	12830
	TEXTILES						
44	NATIONAL TEXTILE CORPN. LTD.	2014-15	5811	0	0	0	5811
		2015-16	5256	0	0	0	5256
	SUB TOTAL :	2014-15	5811	0	0	0	5811
		2015-16	5256	0	0	0	5256
	POWER GENERATION						
45	NHPC LTD.	2014-15	0	0	0	0	0
		2015-16	0	0	0	262	262
46	NTPC LTD.	2014-15	0	294	0	47	341
		2015-16	0	356	0	41	397
	SUB TOTAL :	2014-15	0	294	0	47	341
		2015-16	0	356	0	303	659
	POWER TRANSMISSION						
47	POWER GRID CORPORATION OF INDIA LTD.	2014-15	0	3785	19	0	3804
		2015-16	0	2027	1	0	2028
	SUB TOTAL :	2014-15	0	3785	19	0	3804
		2015-16	0	2027	1	0	2028
	TRADING & MARKETING						
48	ANTRIX CORPORATION LTD.	2014-15	621	2484	0	24715	27820
		2015-16	852	1664	0	25420	27936
49	CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.	2014-15	350	0	0	2532	2882
		2015-16	306	0	0	2738	3044
50	COTTON CORPN. OF INDIA LTD.	2014-15	0	0	0	0	0
		2015-16	172	0	0	0	172
51	HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	2014-15	3042	0	0	26	3068
		2015-16	2010	0	0	36	2046
52	HMT (INTERNATIONAL) LTD.	2014-15	1686	7	0	0	1693
		2015-16	1342	0	0	0	1342
53	INDIA TRADE PROMOTION ORGANISATION	2014-15	0	0	0	1309	1309
		2015-16	0	0	0	1355	1355
54	M M T C LTD.	2014-15	229379	0	0	590	229969
		2015-16	67619	0	0	630	68249
55	M S T C LTD.	2014-15	0	0	0	13	13
		2015-16	0	0	0	5	5
56	NTPC VIDYUT VYAPAR NIGAM LTD.	2014-15	0	0	0	0	0
		2015-16	44617	0	0	0	44617
57	P E C LTD.	2014-15	57717	0	0	0	57717
		2015-16	11993	0	0	0	11993
58	STATE TRADING CORPN. OF INDIA LTD.	2014-15	12638	0	0	0	12638
		2015-16	5024	0	0	90	5114
59	THE JUTE CORPN. OF INDIA LTD.	2014-15	750	0	0	0	750
		2015-16	750	0	0	0	750
	SUB TOTAL :	2014-15	306183	2491	0	29185	337859
		2015-16	134685	1664	0	30274	166623
	TRANSPORT SERVICES						

Sl. No.	Cognate Group / CPSE	Year	Exports of goods (FOB Basis)	Royalty, know how, professional & Consultancy Fee	Interest & Dividend	Other income	Total
60	AIR INDIA AIR TRANSPORT SERVICES LTD.	2014-15	0	0	0	15999	15999
		2015-16	0	0	0	29158	29158
61	AIR INDIA CHARTERS LTD.	2014-15	0	0	0	146686	146686
		2015-16	0	0	0	163427	163427
62	AIR INDIA LTD.	2014-15	0	0	652	890611	891263
		2015-16	0	0	36977	894935	931912
63	AIRPORTS AUTHORITY OF INDIA	2014-15	0	0	0	71152	71152
		2015-16	0	0	0	91598	91598
64	PAWAN HANS LTD.	2014-15	0	0	0	0	0
		2015-16	0	0	0	9103	9103
65	SHIPPING CORPORATION OF INDIA LTD.	2014-15	407493	0	2880	0	410373
		2015-16	374567	0	2589	0	377156
SUB TOTAL :		2014-15	407493	0	3532	1124448	1535473
		2015-16	374567	0	39566	1188221	1602354
	CONTRACT & CONSTRUCTION SERVICES						
66	BRIDGE & ROOF CO.(INDIA) LTD.	2014-15	370	0	0	0	370
		2015-16	0	0	0	0	0
67	IRCON INFRASTRUCTURE & SERVICES LTD.	2014-15	0	2395	0	282	2677
		2015-16	0	1304	0	249	1553
68	IRCON INTERNATIONAL LTD.	2014-15	80660	0	1124	2380	84164
		2015-16	34411	0	3153	10411	47975
69	PROJECTS & DEVELOPMENT INDIA LTD.	2014-15	0	377	0	0	377
		2015-16	0	443	0	0	443
SUB TOTAL :		2014-15	81030	2772	1124	2662	87588
		2015-16	34411	1747	3153	10660	49971
	INDUSTRIAL DEVELOPMENT & TECH.CONSULTANCY SERVICES						
70	AGRINNOVATE INDIA LTD.	2014-15	0	0	0	0	0
		2015-16	0	0	0	154	154
71	BROADCAST ENGG. CONSULTANTS INDIA LTD.	2014-15	0	0	0	32	32
		2015-16	6	0	0	109	115
72	CERTIFICATION ENGINEERS INTERNATIONAL LTD.	2014-15	0	43	0	0	43
		2015-16	0	0	0	0	0
73	EdCIL(India) Ltd.	2014-15	0	130	0	0	130
		2015-16	0	0	0	0	0
74	ENGINEERING PROJECTS (INDIA) LTD.	2014-15	59142	0	53	120	59315
		2015-16	49778	0	120	31	49929
75	ENGINEERS INDIA LTD.	2014-15	0	22058	0	0	22058
		2015-16	0	32922	0	0	32922
76	MECON LTD.	2014-15	0	304	0	0	304
		2015-16	0	222	0	0	222
77	NATIONAL SMALL INDUSTRIES CORPN. LTD.	2014-15	0	30	0	0	30
		2015-16	0	33	0	0	33
78	RITES LTD.	2014-15	14896	3901	0	25	18822
		2015-16	18442	4903	3	0	23348
79	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	2014-15	0	0	5	31515	31520
		2015-16	0	0	0	4047	4047
80	WAPCOS LTD.	2014-15	54339	0	130	0	54469
		2015-16	34058	0	112	0	34170
SUB TOTAL :		2014-15	128377	26466	188	31692	186723
		2015-16	102284	38080	235	4341	144940
	TOURIST SERVICES						
81	ASSAM ASHOK HOTEL CORPN. LTD.	2014-15	0	0	0	2	2
		2015-16	0	0	0	2	2

Sl. No.	Cognate Group / CPSE	Year	Exports of goods (FOB Basis)	Royalty, know how, professional & Consultancy Fee	Interest & Dividend	Other income	Total
82	HOTEL CORPN. OF INDIA LTD.	2014-15	0	0	0	3	3
		2015-16	0	0	0	1	1
83	INDIA TOURISM DEV. CORPN. LTD.	2014-15	0	0	0	1299	1299
		2015-16	0	0	0	1795	1795
84	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	2014-15	0	0	0	2189	2189
		2015-16	0	0	0	3523	3523
	SUB TOTAL :	2014-15	0	0	0	3493	3493
		2015-16	0	0	0	5321	5321
	FINANCIAL SERVICES						
85	HOUSING & URBAN DEV. CORPN. LTD.	2014-15	0	0	140	0	140
		2015-16	0	0	145	0	145
86	INDIA INFRASTRUCTURE FINANCE CO. LTD.	2014-15	0	0	172	114	286
		2015-16	0	0	13230	185	13415
87	INDIAN RENEWABLE ENERGY DEVT.AGENCY LTD.	2014-15	0	0	154	0	154
		2015-16	0	0	123	0	123
88	NATIONAL FILM DEV. CORPN. LTD.	2014-15	81	0	0	0	81
		2015-16	176	0	0	0	176
	SUB TOTAL :	2014-15	81	0	466	114	661
		2015-16	176	0	13498	185	13859
	TELECOMMUNICATION SERVICES						
89	BHARAT SANCHAR NIGAM LTD.	2014-15	0	0	0	13553	13553
		2015-16	0	0	0	14400	14400
90	MAHANAGAR TELEPHONE NIGAM LTD.	2014-15	0	0	0	545	545
		2015-16	0	0	0	429	429
91	MILLENNIUM TELECOM LTD.	2014-15	0	0	6	1	7
		2015-16	0	0	0	0	0
	SUB TOTAL :	2014-15	0	0	6	14099	14105
		2015-16	0	0	0	14829	14829
	ENTERPRISES UNDER CONSTRUCTION						
92	BHARAT PETRO RESOURCES JPDA	2014-15	0	0	0	8	8
		2015-16	0	0	0	0	0
	SUB TOTAL :	2014-15	0	0	0	8	8
		2015-16	0	0	0	0	0
	GRAND TOTAL :	2014-15	8473220	44584	12065	1777265	10307134
		2015-16	5916506	52498	72197	1680368	7721569

STATEMENT - 21

NUMBER OF EMPLOYEES AND HOUSES CONSTRUCTED IN CPSES

Sl. No.	Cognate Group / CPSE	Total No. of Employees as on 31.3.2016	No. of houses constructed in township	No. of houses under construction	Total No. of houses constructed as on 31.3.2016
	AGRO BASED INDUSTRIES				
1	ANDAMAN & NICOBAR ISL. FOREST & PLANT.DEV.CORP.LTD	929	0	0	0
2	HPCL BIOFUELS LTD.	394	0	0	0
3	INDIAN OIL-CREDA BIOFUELS LTD.	3	0	0	0
4	NATIONAL SEEDS CORPN. LTD.	1538	0	0	0
	SUB TOTAL :	2864	0	0	0
	COAL				
5	BHARAT COKING COAL LTD.	53670	52419	15852	68271
6	CENTRAL COALFIELDS LTD.	43681	0	0	0
7	COAL INDIA LTD.	2734	3291	0	3291
8	EASTERN COALFIELDS LTD.	66238	0	0	0
9	MAHANADI COALFIELDS LTD.	22397	15280	443	15723
10	NORTHERN COALFIELDS LTD.	16078	15959	242	16201
11	SOUTH EASTERN COALFIELDS LTD.	64505	69330	90	69420
12	WESTERN COALFIELDS LTD.	49062	52613	160	52773
	SUB TOTAL :	318365	208892	16787	225679
	CRUDE OIL				
13	BHARAT PETRO RESOURCES LTD.	50	0	0	0
14	OIL & NATURAL GAS CORPORATION LTD.	33927	0	0	0
15	OIL INDIA LTD.	7532	0	0	0
16	ONGC VIDESH LTD.	2223	0	0	0
17	PRIZE PETROLEUM COMPANY LTD.	22	0	0	0
	SUB TOTAL :	43754	0	0	0
	OTHER MINERALS & METALS				
18	EASTERN INVESTMENT LTD.	2	0	0	0
19	FCI ARAVALI GYPSUM & MINERALS (INDIA) LTD.	50	0	0	0
20	HINDUSTAN COPPER LTD.	3252	12191	0	12191
21	INDIAN RARE EARTHS LTD.	1790	291	0	291
22	J & K MINERAL DEVELOPMENT CORPN. LTD.	6	0	0	0
23	KIOCL LTD.	938	2142	0	2142
24	MOIL LTD.	6305	4343	540	4883
25	NATIONAL ALUMINIUM COMPANY LTD.	7100	7717	180	7897
26	NMDC Ltd.	5773	7427	1120	8547
27	ORISSA MINERAL DEVELOPMENT COMPANY LTD.	514	1	1	2
28	THE BISRA STONE LIME COMPANY LTD.	766	0	0	0
29	URANIUM CORPORATION OF INDIA LTD.	4707	0	0	0
	SUB TOTAL :	31203	34112	1841	35953
	STEEL				
30	FERRO SCRAP NIGAM LTD.	890	0	0	0
31	MISHRA DHATU NIGAM LTD.	772	0	0	0
32	RASHTRIYA ISPAT NIGAM LTD.	17873	8475	0	8475
33	SAIL REFRACTORY COMPANY LTD.	207	0	0	0
34	STEEL AUTHORITY OF INDIA LTD.	88655	0	0	0
	SUB TOTAL :	108397	8475	0	8475
	PETROLEUM (REFINERY & MARKETING)				
35	BHARAT PETROLEUM CORPN. LTD.	12623	2052	92	2144
36	CHENNAI PETROLEUM CORPORATION LTD.	1637	104	0	104
37	GAIL (INDIA) LTD.	4316	2482	35	2517
38	GAIL GAS LTD.	150	0	0	0
39	HINDUSTAN PETROLEUM CORPN. LTD.	10538	0	0	0
40	INDIAN OIL CORPORATION LTD.	32803	19284	159	19443
41	MANGALORE REFINERY & PETROCHEMICALS LTD.	1812	680	249	929
42	NUMALIGARH REFINERY LTD.	878	730	102	832
	SUB TOTAL :	64757	25332	637	25969
	FERTILIZERS				
43	BRAHMAPUTRA VALLEY FERTILIZER CORPN. LTD.	711	0	0	0
44	FERTILIZER CORPN. OF INDIA LTD.	9	0	0	0
45	FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.	2400	0	0	0
46	HINDUSTAN FERTILIZER CORPN. LTD.	4	0	0	0
47	MADRAS FERTILIZERS LTD.	723	0	0	0
48	NATIONAL FERTILIZERS LTD.	3595	4816	0	4816
49	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	3775	3094	56	3150
	SUB TOTAL :	11217	7910	56	7966
	CHEMICALS & PHARMACEUTICALS				
50	BENGAL CHEMICALS & PHARMACEUTICALS LTD.	370	0	0	0

Sl. No.	Cognate Group / CPSE	Total No. of Employees as on 31.3.2016	No. of houses constructed in township	No. of houses under construction	Total No. of houses constructed as on 31.3.2016
51	BHARAT IMMUNOLOGICALS & BIOLOGICALS CORP. LTD.	112	0	0	0
52	BRAHAMPUTRA CRACKERS & POLYMER LTD.	579	329	0	329
53	GOA ANTIBIOTICS & PHARMACEUTICALS LTD.	194	0	0	0
54	HINDUSTAN ANTIBIOTICS LTD.	1025	938	0	938
55	HINDUSTAN FLUOROCARBONS LIMITED	141	0	0	0
56	HINDUSTAN INSECTICIDES LTD.	1115	429	0	429
57	HINDUSTAN ORGANIC CHEMICALS LTD.	957	878	0	878
58	HLL BIOTECH LTD.	71	0	0	0
59	IDPL (TAMILNADU) LTD.	124	0	0	0
60	INDIAN DRUGS & PHARMACEUTICALS LTD.	66	0	0	0
61	INDIAN MEDICINES & PHARMACEUTICAL CORPN. LTD.	131	0	0	0
62	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	712	0	0	0
63	ONGC MANGALORE PETROCHEMICALS LTD.	465	0	0	0
64	ORISSA DRUGS & CHEMICALS LTD.	61	0	0	0
65	RAJASTHAN DRUGS & PHARMACEUTICALS LTD.	160	0	0	0
	SUB TOTAL :	6283	2574	0	2574
	HEAVY ENGINEERING				
66	BHARAT HEAVY ELECTRICALS LTD.	42198	31589	166	31755
67	BHARAT WAGON & ENGG. CO. LTD.	661	0	0	0
68	BHEL ELECTRICAL MACHINES LTD.	178	0	0	0
69	BRAITHWAITE & CO. LTD.	322	0	0	0
70	BURN STANDARD COMPANY LTD.	610	0	0	0
71	HEAVY ENGINEERING CORPN. LTD.	1550	0	11109	11109
72	TUNGABHADRA STEEL PRODUCTS LTD.	75	276	0	276
	SUB TOTAL :	45594	31865	11275	43140
	MEDIUM & LIGHT ENGINEERING				
73	ANDREW YULE & COMPANY LTD.	14858	9585	0	9585
74	BALMER LAWRIE & CO. LTD.	1248	0	0	0
75	BEL OPTRONICS DEVICES LTD.	130	0	0	0
76	BHARAT DYNAMICS LTD.	3132	0	0	0
77	BHARAT ELECTRONICS LTD.	9848	2525	256	2781
78	BHARAT PUMPS & COMPRESSORS LTD.	523	0	0	0
79	CENTRAL ELECTRONICS LTD.	488	0	0	0
80	ELECTRONICS CORPN. OF INDIA LTD.	2517	60	0	60
81	HINDUSTAN CABLES LTD.	1333	0	0	0
82	HMT BEARINGS LTD.	55	0	0	0
83	HMT CHINAR WATCHES LTD.	54	0	0	0
84	HMT LTD.	1218	1098	0	1098
85	HMT MACHINE TOOLS LTD.	1902	1236	0	1236
86	HMT WATCHES LTD.	1005	0	0	0
87	I T I LTD.	5229	6612	0	6612
88	INSTRUMENTATION LTD.	849	0	0	0
89	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	250	0	0	0
90	RICHARDSON & CRUDDAS(1972) LTD.	16	0	0	0
91	SCOOTERS INDIA LTD.	398	0	0	0
92	VIGNYAN INDUSTRIES LTD.	95	0	0	0
	SUB TOTAL :	45148	21116	256	21372
	TRANSPORTATION EQUIPMENT				
93	BEML LTD.	8827	2488	0	2488
94	COCHIN SHIPYARD LTD.	1671	128	0	128
95	GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.	2592	0	0	0
96	GOA SHIPYARD LTD.	1605	83	0	83
97	HINDUSTAN AERONAUTICS LTD.	30300	18378	84	18462
98	HINDUSTAN SHIPYARD LTD.	1548	1591	0	1591
99	HOOGHLY DOCK AND PORT ENGINEERS LTD.	45	0	0	0
100	MAZAGON DOCK SHIPBUILDERS LTD.	8933	0	0	0
	SUB TOTAL :	55521	22668	84	22752
	CONSUMER GOODS				
101	ARTIFICIAL LIMBS MFG. CORPN. OF INDIA	301	0	0	0
102	CEMENT CORPN. OF INDIA LTD.	750	0	0	0
103	HINDUSTAN NEWSPRINT LTD.	563	0	0	0
104	HINDUSTAN PAPER CORPORATION LTD.	1840	0	0	0
105	HINDUSTAN PHOTO FILMS MANUFACTURING CO. LTD.	217	472	0	472
106	HINDUSTAN SALTS LTD.	77	541	0	541
107	HLL LIFECARE LTD.	1870	0	0	0
108	HOOGHLY PRINTING COMPANY LTD.	47	0	0	0

Sl. No.	Cognate Group / CPSE	Total No. of Employees as on 31.3.2016	No. of houses constructed in township	No. of houses under construction	Total No. of houses constructed as on 31.3.2016
109	NAGALAND PULP & PAPER COMPANY LTD.	181	0	0	0
110	NEPA LTD.	811	0	0	0
111	SAMBHAR SALTS LTD.	107	254	0	254
112	SECURITY PRINTING & MINTING CORPN. INDIA LTD.	11052	2040	0	2040
	SUB TOTAL :	17816	3307	0	3307
	TEXTILES				
113	BRITISH INDIA CORPORATION LTD.	1345	0	0	0
114	NATIONAL JUTE MANUFACTURES CORPORATION LTD.	69	0	0	0
115	NATIONAL TEXTILE CORPN. LTD.	7603	186	0	186
	SUB TOTAL :	9017	186	0	186
	POWER GENERATION				
116	KANTI BIJLEE UTPADAN NIGAM LTD.	187	0	0	0
117	NHDC LTD.	556	2025	0	2025
118	NHPC LTD.	8654	10253	65	10318
119	NLC INDIA LTD.	15880	20410	0	20410
120	NLC TAMIL NADU POWER LTD.	232	92	134	226
121	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	2421	2655	9	2664
122	NTPC LTD.	21633	644	0	644
123	NUCLEAR POWER CORPN. OF INDIA LTD.	11392	11579	158	11737
124	SJVN LTD.	1755	1644	0	1644
125	THDC INDIA LTD.	1990	2373	51	2424
	SUB TOTAL :	64700	51675	417	52092
	POWER TRANSMISSION				
126	POWER GRID CORPORATION OF INDIA LTD.	8298	6362	515	6877
	SUB TOTAL :	8298	6362	515	6877
	TRADING & MARKETING				
127	ANTRIX CORPORATION LTD.	75	0	0	0
128	CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.	285	3	0	3
129	CENTRAL RAILSIDE WAREHOUSE CO. LTD.	53	0	0	0
130	CENTRAL WAREHOUSING CORPN.	4078	406	0	406
131	COTTON CORPN. OF INDIA LTD.	925	0	0	0
132	FOOD CORPN. OF INDIA	68959	0	0	0
133	HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	114	67	0	67
134	HMT (INTERNATIONAL) LTD.	32	0	0	0
135	INDIA TRADE PROMOTION ORGANISATION	843	0	0	0
136	KARNATAKA TRADE PROMOTION ORGANISATION	2	0	0	0
137	M M T C LTD.	1342	0	0	0
138	M S T C LTD.	324	0	0	0
139	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	215	0	0	0
140	NORTH EASTERN HANDICRAFTS & HANDLOOM DEV. CORPN. LTD.	67	0	0	0
141	NORTH EASTERN REGIONAL AGRI. MARKETING CORP. LTD.	50	0	0	0
142	NTPC VIDYUT VYAPAR NIGAM LTD.	46	0	0	0
143	P E C LTD.	150	0	0	0
144	SIDCUL CONCOR INFRA COMPANY LTD.	2	0	0	0
145	STATE TRADING CORPN. OF INDIA LTD.	692	0	0	0
146	STCL LTD.	13	0	0	0
147	TAMIL NADU TRADE PROMOTION ORGANISATION	5	0	0	0
148	THE JUTE CORPN. OF INDIA LTD.	709	0	0	0
	SUB TOTAL :	78981	476	0	476
	TRANSPORT SERVICES				
149	AIR INDIA AIR TRANSPORT SERVICES LTD.	2342	0	0	0
150	AIR INDIA CHARTERS LTD.	771	0	0	0
151	AIR INDIA ENGINEERING SERVICES LTD.	4440	0	0	0
152	AIR INDIA LTD.	12826	0	0	0
153	AIRLINE ALLIED SERVICES LTD.	454	0	0	0
154	AIRPORTS AUTHORITY OF INDIA	17327	0	0	0
155	CENTRAL INLAND WATER TRANSPORT CORPN. LTD.	5	0	0	0
156	CONTAINER CORPORATION OF INDIA LTD.	1331	0	0	0
157	DREDGING CORPN. OF INDIA LTD.	523	0	0	0
158	FRESH & HEALTHY ENTERPRISES LTD.	24	0	0	0
159	KAMARAJAR PORT LTD.	101	0	0	0
160	PAWAN HANS LTD.	446	192	0	192
161	PETRONET CCK LTD.	40	0	0	0
162	SHIPPING CORPORATION OF INDIA LTD.	796	0	0	0

Sl. No.	Cognate Group / CPSE	Total No. of Employees as on 31.3.2016	No. of houses constructed in township	No. of houses under construction	Total No. of houses constructed as on 31.3.2016
SUB TOTAL :		41426	192	0	192
CONTRACT & CONSTRUCTION SERVICES					
163	BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LTD.	350	0	0	0
164	BRIDGE & ROOF CO.(INDIA) LTD.	1366	0	0	0
165	HINDUSTAN PREFAB LTD.	234	0	0	0
166	HINDUSTAN STEELWORKS COSTN. LTD.	59	2753	0	2753
167	INDIAN RAILWAY STATIONS DEVPT. CORPORATION LTD.	14	0	0	0
168	IRCON INFRASTRUCTURE & SERVICES LTD.	14	0	0	0
169	IRCON INTERNATIONAL LTD.	1318	0	0	0
170	KONKAN RAILWAY CORPORATION LTD.	5052	1391	0	1391
171	MINERAL EXPLORATION CORPN. LTD.	1249	175	0	175
172	MUMBAI RAILWAY VIKAS CORPORATION LTD.	217	0	0	0
173	NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPN. LTD.	167	0	0	0
174	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	972	0	0	0
175	NBCC (INDIA) LTD.	1997	0	0	0
176	PROJECTS & DEVELOPMENT INDIA LTD.	386	1522	0	1522
177	RAIL VIKAS NIGAM LTD.	446	0	0	0
SUB TOTAL :		13841	5841	0	5841
INDUSTRIAL DEVELOPMENT & TECH.CONULTANCY SERVICES					
178	AGRINNOVATE INDIA LTD.	5	0	0	0
179	BROADCAST ENGG. CONSULTANTS INDIA LTD.	58	0	0	0
180	CENTRAL MINE PLANNING & DESIGN INSTITUTE LTD.	3622	2127	0	2127
181	CERTIFICATION ENGINEERS INTERNATIONAL LTD.	72	0	0	0
182	EdCIL(India) Ltd.	79	0	0	0
183	ENGINEERING PROJECTS (INDIA) LTD.	397	0	0	0
184	ENGINEERS INDIA LTD.	3042	0	0	0
185	HLL INFRA TECH SERVICES LTD.	506	0	0	0
186	HSCC (INDIA) LTD.	160	0	0	0
187	IIFCL PROJECTS LTD.	13	0	0	0
188	MECON LTD.	1466	1937	0	1937
189	NATIONAL RESEARCH DEVELOPMENT CORPN.	75	0	0	0
190	NATIONAL SMALL INDUSTRIES CORPN. LTD.	903	0	0	0
191	PFC CAPITAL ADVISORY SERVICE LTD.	3	0	0	0
192	POWER SYSTEM OPERATION CORPORATION LTD.	451	0	0	0
193	RAILWAY ENERGY MANAGEMENT COMPANY LTD.	1	0	0	0
194	rites LTD.	2280	155	0	155
195	SOLAR ENERGY CORPORATION OF INDIA	62	0	0	0
196	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	889	0	0	0
197	WAPCOS LTD.	810	0	0	0
SUB TOTAL :		14894	4219	0	4219
TOURIST SERVICES					
198	ASSAM ASHOK HOTEL CORPN. LTD.	63	0	0	0
199	DONYI POLO ASHOK HOTEL LTD.	26	0	0	0
200	HOTEL CORPN. OF INDIA LTD.	925	0	0	0
201	INDIA TOURISM DEV. CORPN. LTD.	1403	0	0	0
202	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	1472	0	0	0
203	MADHYA PRADESH ASHOK HOTEL CORPN. LTD.	58	0	0	0
204	PONDICHERRY ASHOK HOTEL CORPN. LTD.	19	0	0	0
205	RANCHI ASHOK BIHAR HOTEL CORPN. LTD.	38	0	0	0
SUB TOTAL :		4004	0	0	0
FINANCIAL SERVICES					
206	BIOTECHNOLOGY INDUSTRY RESEARCH ASSISTANCE COUNCIL	41	0	0	0
207	E. C. G. C. LTD.	644	0	0	0
208	HOUSING & URBAN DEV. CORPN. LTD.	863	0	0	0
209	IIFCL ASSET MANAGEMENT COMPANY LTD.	6	0	0	0
210	INDIA INFRASTRUCTURE FINANCE CO. LTD.	88	0	0	0
211	INDIAN RAILWAY FINANCE CORPORATION LTD.	18	0	0	0
212	INDIAN RENEWABLE ENERGY DEVT.AGENCY LTD.	137	0	0	0
213	INDIAN VACCINE CORP. LTD.	2	0	0	0
214	KUMARAKRUPPA FRONTIER HOTELS LTD.	3	0	0	0
215	NATIONAL BACKWARD CLASSES FINANCE & DEVP.CO.	47	0	0	0
216	NATIONAL FILM DEV. CORPN. LTD.	96	0	0	0

Sl. No.	Cognate Group / CPSE	Total No. of Employees as on 31.3.2016	No. of houses constructed in township	No. of houses under construction	Total No. of houses constructed as on 31.3.2016
217	NATIONAL HANDICAPPED FINANCE & DEVPT. CORPN.	33	0	0	0
218	NATIONAL MINORITIES DEVP. & FINANCE CORPORATION	33	0	0	0
219	NATIONAL SAFAI KARAMCHARIS FINANCE & DEVPT. CORPN.	20	0	0	0
220	NATIONAL SCHEDULED CASTES FINANCE & DEVP. CORPN.	78	0	0	0
221	NATIONAL SCHEDULED TRIBES FINANCE & DEVP. CORPN.	54	0	0	0
222	PFC GREEN ENERGY LTD.	16	0	0	0
223	POWER FINANCE CORPORATION LTD.	467	0	0	0
224	RURAL ELECTRIFICATION CORPN. LTD.	600	52	0	52
	SUB TOTAL :	3246	52	0	52
	TELECOMMUNICATION SERVICES				
225	BHARAT BROADBAND NETWORK LTD.	107	0	0	0
226	BHARAT SANCHAR NIGAM LTD.	211086	0	0	0
227	MAHANAGAR TELEPHONE NIGAM LTD.	31070	0	0	0
228	RAILTEL CORPORATION INDIA LTD.	535	0	0	0
229	RAILTEL ENTERPRISES LTD.	37	0	0	0
	SUB TOTAL :	242835	0	0	0
	ENTERPRISES UNDER CONSTRUCTION				
230	BEL-THALES SYSTEMS LTD.	8	0	0	0
231	BHARATIYA NABHIKIYA VIDYUT NIGAM LTD.	397	539	106	645
232	BHARTIYA RAIL BIJLEE CO. LTD.	135	0	0	0
233	BUNDELKHAND SAUR URJA LTD.	6	0	0	0
234	DEDICATED FRIGHT CORRIDOR CORP. OF INDIA LTD.	758	0	0	0
235	IRCON PB TOLLWAY LTD.	13	0	0	0
236	KOLKATA METRO RAIL CORPORATION LTD.	38	0	0	0
237	LOKTAK DOWNSTREAM HYDROELECTRIC CORPORATION LTD.	30	0	0	0
238	MAHANADI BASIN POWER LTD.	10	0	0	0
239	MNH SHAKTI LTD.	2	0	0	0
240	NEYVELI UTTAR PRADESH POWER LTD	18	0	0	0
241	NMDC-CMDC LTD.	2	0	0	0
242	PATRATU VIDYUT UTPADAN NIGAM LTD.	30	0	0	0
243	POWERGRID NM TRANSMISSION LTD.	9	0	0	0
244	SETHUSAMUDRAM CORPN. LTD.	1	0	0	0
	SUB TOTAL :	1457	539	106	645
	GRAND TOTAL :	1233618	435793	31974	467767

STATEMENT - 22

BREAK-UP OF TOTAL EMPLOYEES AS ON 31.3.2016

(in number)

Sl. No.	Cognate Group / CPSE	Managerial/ Executives	Supervisory		Non-Executives		Casual/ Daily Rated Workers	Contract Workers / Employees	Total
			Unionised	Non-Unionised	Skilled	Unskilled			
AGRO BASED INDUSTRIES									
1	ANDAMAN & NICOBAR ISL. FOREST & PLANT.DEV.CORP.LTD	6	202	16	705	0	31	3	963
2	CREDA HPCL BIOFUEL LTD.	0	0	0	0	0	0	0	0
3	HPCL BIOFUELS LTD.	36	0	101	257	0	0	378	772
4	INDIAN OIL-CREDA BIOFUELS LTD.	3	0	0	0	0	0	0	3
5	NATIONAL SEEDS CORPN. LTD.	230	0	129	446	733	403	0	1941
SUB TOTAL :		275	202	246	1408	733	434	381	3679
COAL									
6	BHARAT COKING COAL LTD.	2324	4617	0	34494	12235	0	0	53670
7	CENTRAL COALFIELDS LTD.	2582	3377	0	14131	23591	44	4591	48316
8	COAL INDIA LTD.	498	362	0	1309	565	1140	790	4664
9	EASTERN COALFIELDS LTD.	2375	4439	0	25377	34047	0	7846	74084
10	MAHANADI COALFIELDLS LTD.	1854	3295	0	9062	8186	0	0	22397
11	NORTHERN COALFIELDS LTD.	1786	1697	0	11761	834	0	0	16078
12	SOUTH EASTERN COALFIELDS LTD.	3323	9716	0	31948	19518	0	0	64505
13	WESTERN COALFIELDS LTD.	2599	4997	318	23539	17609	0	0	49062
SUB TOTAL :		17341	32500	318	151621	116585	1184	13227	332776
CRUDE OIL									
14	BHARAT PETRO RESOURCES LTD.	50	0	0	0	0	0	0	50
15	OIL & NATURAL GAS CORPORATION LTD.	23039	2198	0	6143	2547	0	0	33927
16	OIL INDIA LTD.	1457	1131	0	3129	1815	0	0	7532
17	ONGC VIDESH LTD.	1647	0	0	576	0	0	220	2443
18	PRIZE PETROLEUM COMPANY LTD.	2	0	20	0	0	0	0	22
SUB TOTAL :		26195	3329	20	9848	4362	0	220	43974
OTHER MINERALS & METALS									
19	EASTERN INVESTMENT LTD.	2	0	0	0	0	0	0	2
20	FCI ARAVALI GYPSUM & MINERALS (INDIA) LTD.	29	0	0	17	4	0	105	155
21	HINDUSTAN COPPER LTD.	561	0	71	1968	652	0	2387	5639
22	INDIAN RARE EARTHS LTD.	488	0	56	824	422	10	2325	4125
23	J & K MINERAL DEVELOPMENT CORPN. LTD.	2	0	0	2	2	0	0	6
24	KIOCL LTD.	265	0	48	588	37	0	422	1360
25	MOIL LTD.	326	0	133	1379	4467	0	0	6305
26	NATIONAL ALUMINIUM COMPANY LTD.	1804	816	0	3802	678	0	0	7100
27	NMDC Ltd.	1518	0	206	3683	366	0	9385	15158
28	ORISSA MINERAL DEVELOPMENT COMPANY LTD.	88	41	0	173	212	0	0	514
29	THE BISRA STONE LIME COMPANY LTD.	31	58	0	141	536	0	101	867
30	URANIUM CORPORATION OF INDIA LTD.	288	0	286	1359	2774	122	8	4837
SUB TOTAL :		5402	915	800	13936	10150	132	14733	46068
STEEL									
31	FERRO SCRAP NIGAM LTD.	143	0	0	744	3	0	0	890
32	MISHRA DHATU NIGAM LTD.	230	0	85	309	148	406	37	1215
33	RASHTRIYA ISPAT NIGAM LTD.	5515	6135	570	3627	2026	0	15063	32936
34	SAIL REFRACTORY COMPANY LTD.	23	0	0	181	3	0	769	976
35	STEEL AUTHORITY OF INDIA LTD.	13968	0	0	74687	0	16	56055	144726
SUB TOTAL :		19879	6135	655	79548	2180	422	71924	180743
PETROLEUM (REFINERY & MARKETING)									
36	BHARAT PETROLEUM CORPN. LTD.	5730	0	0	5097	1796	0	31823	44446
37	CHENNAI PETROLEUM CORPORATION LTD.	198	0	606	833	0	0	3508	5145
38	GAIL (INDIA) LTD.	3381	279	0	598	58	0	17602	21918
39	GAIL GAS LTD.	129	0	0	21	0	0	0	150
40	HINDUSTAN PETROLEUM CORPN. LTD.	2140	0	3428	3966	1004	26	22907	33471
41	INDIAN OIL CORPORATION LTD.	15722	5756	0	10244	1081	0	64	32867
42	MANGALORE REFINERY &	816	0	0	996	0	0	0	1812

Sl. No.	Cognate Group / CPSE	Managerial/ Executives	Supervisory		Non-Executives		Casual/ Daily Rated Workers	Contract Workers / Employees	Total
			Unionised	Non-Unionised	Skilled	Unskilled			
	PETROCHEMICALS LTD.								
43	NUMALIGARH REFINERY LTD.	436	0	0	440	2	0	0	878
	SUB TOTAL :	28552	6035	4034	22195	3941	26	75904	140687
	FERTILIZERS								
44	BRAHMAPUTRA VALLEY FERTILIZER CORPN. LTD.	366	0	0	333	12	0	698	1409
45	FERTILIZER CORPN. OF INDIA LTD.	2	0	6	1	0	0	0	9
46	FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.	637	0	0	1164	599	387	43	2830
47	HINDUSTAN FERTILIZER CORPN. LTD.	2	2	0	0	0	0	0	4
48	MADRAS FERTILIZERS LTD.	2	0	452	245	24	0	0	723
49	NATIONAL FERTILIZERS LTD.	1697	0	0	1800	98	1	3193	6789
50	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	979	1027	739	769	261	0	1164	4939
	SUB TOTAL :	3685	1029	1197	4312	994	388	5098	16703
	CHEMICALS & PHARMACEUTICALS								
51	BENGAL CHEMICALS & PHARMACEUTICALS LTD.	71	110	0	166	23	0	0	370
52	BHARAT IMMUNOLOGICALS & BIOLOGICALS CORP. LTD.	41	0	12	11	48	0	9	121
53	BRAHMAPUTRA CRACKERS & POLYMER LTD.	393	0	186	0	0	0	0	579
54	GOA ANTIBIOTICS & PHARMACEUTICALS LTD.	25	7	47	4	111	108	13	315
55	HINDUSTAN ANTIBIOTICS LTD.	218	8	0	572	227	85	1	1111
56	HINDUSTAN FLUOROCARBONS LIMITED	94	0	0	22	25	25	8	174
57	HINDUSTAN INSECTICIDES LTD.	1	0	295	669	150	0	0	1115
58	HINDUSTAN ORGANIC CHEMICALS LTD.	354	0	47	354	202	122	113	1192
59	HLL BIOTECH LTD.	70	0	1	0	0	0	26	97
60	IDPL (TAMILNADU) LTD.	13	0	0	47	64	91	0	215
61	INDIAN DRUGS & PHARMACEUTICALS LTD.	32	0	34	0	0	0	120	186
62	INDIAN MEDICINES & PHARMACEUTICAL CORPN. LTD.	9	95	27	0	0	0	0	131
63	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	239	0	0	212	261	0	0	712
64	ONGC MANGALORE PETROCHEMICALS LTD.	167	0	0	253	45	0	439	904
65	ORISSA DRUGS & CHEMICALS LTD.	10	0	13	27	11	0	61	122
66	RAJASTHAN DRUGS & PHARMACEUTICALS LTD.	24	0	33	101	2	0	0	160
	SUB TOTAL :	1761	220	695	2438	1169	431	790	7504
	HEAVY ENGINEERING								
67	BHARAT HEAVY ELECTRICALS LTD.	12166	0	8041	20909	1082	0	20807	63005
68	BHARAT WAGON & ENGG. CO. LTD.	24	0	45	589	3	0	0	661
69	BHEL ELECTRICAL MACHINES LTD.	20	0	4	122	32	0	27	205
70	BRAITHWAITE & CO. LTD.	45	29	18	230	0	21	417	760
71	BURN STANDARD COMPANY LTD.	38	110	0	462	0	0	1035	1645
72	HEAVY ENGINEERING CORPN. LTD.	761	0	128	584	77	1	1974	3525
73	TUNGABHADRA STEEL PRODUCTS LTD.	5	0	14	56	0	0	0	75
	SUB TOTAL :	13059	139	8250	22952	1194	22	24260	69876
	MEDIUM & LIGHT ENGINEERING								
74	ANDREW YULE & COMPANY LTD.	230	458	90	354	13726	0	69	14927
75	BALMER LAWRIE & CO. LTD.	482	0	232	95	439	0	285	1533
76	BEL OPTRONICS DEVICES LTD.	33	0	0	97	0	0	0	130
77	BHARAT DYNAMICS LTD.	863	0	0	1989	280	1	102	3235
78	BHARAT ELECTRONICS LTD.	5437	0	198	3951	262	3394	616	13858
79	BHARAT PUMPS & COMPRESSORS LTD.	116	0	11	387	9	0	90	613
80	CENTRAL ELECTRONICS LTD.	197	0	0	285	6	0	0	488
81	ELECTRONICS CORPN. OF INDIA LTD.	1713	0	0	554	250	0	0	2517
82	HINDUSTAN CABLES LTD.	166	286	0	770	111	108	0	1441
83	HMT BEARINGS LTD.	13	0	9	26	7	0	69	124
84	HMT CHINAR WATCHES LTD.	3	0	4	42	5	0	0	54
85	HMT LTD.	164	0	78	976	0	0	0	1218

Sl. No.	Cognate Group / CPSE	Managerial/ Executives	Supervisory		Non-Executives		Casual/ Daily Rated Workers	Contract Workers / Employees	Total
			Unionised	Non-Unionised	Skilled	Unskilled			
86	HMT MACHINE TOOLS LTD.	399	0	197	788	518	0	0	1902
87	HMT WATCHES LTD.	136	0	17	849	3	0	0	1005
88	ITI LTD.	3312	0	0	1805	112	0	144	5373
89	INSTRUMENTATION LTD.	193	0	408	171	77	0	62	911
90	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	74	0	80	68	28	41	478	769
91	RICHARDSON & CRUDDAS(1972) LTD.	6	0	4	6	0	34	52	102
92	SCOOTERS INDIA LTD.	98	34	0	253	13	0	338	736
93	VIGNYAN INDUSTRIES LTD.	14	0	0	56	25	0	140	235
SUB TOTAL :		13649	778	1328	13522	15871	3578	2445	51171
TRANSPORTATION EQUIPMENT									
94	BEML LTD.	2337	3061	0	3209	220	0	5160	13987
95	COCHIN SHIPYARD LTD.	283	0	185	1203	0	0	795	2466
96	GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.	496	158	152	1354	432	0	0	2592
97	GOA SHIPYARD LTD.	262	0	222	883	238	0	1565	3170
98	HINDUSTAN AERONAUTICS LTD.	9360	0	0	20908	32	367	11669	42336
99	HINDUSTAN SHIPYARD LTD.	374	467	0	700	7	3	458	2009
100	HOOGHLY DOCK AND PORT ENGINEERS LTD.	1	1	2	20	21	33	5	83
101	MAZAGON DOCK SHIPBUILDERS LTD.	1045	797	0	6747	344	0	2326	11259
SUB TOTAL :		14158	4484	561	35024	1294	403	21978	77902
CONSUMER GOODS									
102	ARTIFICIAL LIMBS MFG. CORPN. OF INDIA	105	0	0	185	11	262	10	573
103	CEMENT CORPN. OF INDIA LTD.	178	0	209	340	23	1591	0	2341
104	HINDUSTAN NEWSPRINT LTD.	116	0	42	324	81	0	0	563
105	HINDUSTAN PAPER CORPORATION LTD.	302	0	132	1321	85	1	2577	4418
106	HINDUSTAN PHOTO FILMS MANUFACTURING CO. LTD.	9	0	63	109	36	0	0	217
107	HINDUSTAN SALTS LTD.	16	0	24	37	0	122	16	215
108	HLL LIFECARE LTD.	563	0	201	821	285	0	1144	3014
109	HOOGHLY PRINTING COMPANY LTD.	10	0	3	14	20	0	0	47
110	NAGALAND PULP & PAPER COMPANY LTD.	66	0	24	0	91	0	0	181
111	NEPA LTD.	165	0	0	470	176	176	0	987
112	SAMBHAR SALTS LTD.	15	0	19	73	0	215	0	322
113	SECURITY PRINTING & MINTING CORPN. INDIA LTD.	315	875	253	4677	4932	181	735	11968
SUB TOTAL :		1860	875	970	8371	5740	2548	4482	24846
TEXTILES									
114	BIRDS JUTE & EXPORTS LTD.	0	0	0	0	0	0	0	0
115	BRITISH INDIA CORPORATION LTD.	85	0	44	1200	16	0	0	1345
116	NATIONAL JUTE MANUFACTURES CORPORATION LTD.	2	0	67	0	0	0	67	136
117	NATIONAL TEXTILE CORPN. LTD.	429	185	98	6128	763	2515	638	10756
SUB TOTAL :		516	185	209	7328	779	2515	705	12237
POWER GENERATION									
118	KANTI BIJLEE UTPADAN NIGAM LTD.	181	0	0	6	0	0	3006	3193
119	NHDC LTD.	298	0	38	108	112	0	1091	1647
120	NHPC LTD.	3910	0	250	3096	1398	0	4531	13185
121	NLC INDIA LTD.	4111	0	304	10054	1411	0	13414	29294
122	NLC TAMIL NADU POWER LTD.	192	13	17	10	0	0	0	232
123	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	967	340	0	1060	54	268	15	2704
124	NTPC LTD.	12001	0	190	9135	307	0	0	21633
125	NUCLEAR POWER CORPN. OF INDIA LTD.	4220	0	1795	5377	0	0	0	11392
126	REC POWER DISTRIBUTION CO. LTD.	0	0	0	0	0	0	21	21
127	SJVN LTD.	804	25	270	576	80	0	597	2352
128	THDC INDIA LTD.	829	0	104	727	330	0	0	1990
SUB TOTAL :		27513	378	2968	30149	3692	268	22675	87643
POWER TRANSMISSION									
129	NTPC ELECTRIC SUPPLY COMPANY LTD.	0	0	0	0	0	0	0	0

Sl. No.	Cognate Group / CPSE	Managerial/ Executives	Supervisory		Non-Executives		Casual/ Daily Rated Workers	Contract Workers / Employees	Total
			Unionised	Non-Unionised	Skilled	Unskilled			
130	POWER GRID CORPORATION OF INDIA LTD.	3798	0	2055	2371	74	0	308	8606
131	REC TRANSMISSION PROJECTS CO. LTD.	0	0	0	0	0	0	0	0
SUB TOTAL :		3798	0	2055	2371	74	0	308	8606
TRADING & MARKETING									
132	ANTRIX CORPORATION LTD.	17	0	5	1	52	0	53	128
133	CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.	158	16	0	13	98	0	153	438
134	CENTRAL RAILSIDE WAREHOUSE CO. LTD.	53	0	0	0	0	0	17	70
135	CENTRAL WAREHOUSING CORPN.	245	893	974	1322	644	0	86	4164
136	COTTON CORPN. OF INDIA LTD.	98	827	0	0	0	0	105	1030
137	FOOD CORPN. OF INDIA	863	12641	4108	3435	47912	0	0	68959
138	HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	23	0	38	34	19	217	29	360
139	HMT (INTERNATIONAL) LTD.	23	0	7	1	1	0	10	42
140	INDIA TRADE PROMOTION ORGANISATION	143	0	75	261	364	0	0	843
141	KARNATAKA TRADE PROMOTION ORGANISATION	2	0	0	0	0	0	0	2
142	M M T C LTD.	519	717	66	22	18	0	218	1560
143	M S T C LTD.	187	137	0	0	0	0	0	324
144	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	90	0	36	63	26	0	0	215
145	NORTH EASTERN HANDICRAFTS & HANDLOOM DEV. CORPN. LTD.	9	7	0	51	0	3	10	80
146	NORTH EASTERN REGIONAL AGRIC. MARKETING CORP. LTD.	8	0	0	12	30	26	19	95
147	NTPC VIDYUT VYAPAR NIGAM LTD.	45	0	0	1	0	0	0	46
148	P E C LTD.	132	7	0	6	5	0	0	150
149	SIDCUL CONCOR INFRA COMPANY LTD.	1	0	1	0	0	0	0	2
150	STATE TRADING CORPN. OF INDIA LTD.	468	0	0	151	73	13	285	990
151	STCL LTD.	6	4	0	2	1	0	0	13
152	TAMIL NADU TRADE PROMOTION ORGANISATION	5	0	0	0	0	0	26	31
153	THE JUTE CORPN. OF INDIA LTD.	3	73	30	420	183	246	34	989
SUB TOTAL :		3098	15322	5340	5795	49426	505	1045	80531
TRANSPORT SERVICES									
154	AIR INDIA AIR TRANSPORT SERVICES LTD.	7	0	155	667	1513	0	0	2342
155	AIR INDIA CHARTERS LTD.	133	0	512	0	126	0	0	771
156	AIR INDIA ENGINEERING SERVICES LTD.	440	0	4000	0	0	0	0	4440
157	AIR INDIA LTD.	4658	1864	0	3659	2645	2450	0	15276
158	AIRLINE ALLIED SERVICES LTD.	18	0	45	0	391	0	0	454
159	AIRPORTS AUTHORITY OF INDIA	7672	2749	0	3791	3115	0	0	17327
160	CENTRAL INLAND WATER TRANSPORT CORPN. LTD.	3	0	2	0	0	0	44	49
161	CONCOR AIR LTD.	0	0	0	0	0	0	0	0
162	CONTAINER CORPORATION OF INDIA LTD.	309	0	216	806	0	0	0	1331
163	DREDGING CORPN. OF INDIA LTD.	307	9	0	142	65	0	412	935
164	FRESH & HEALTHY ENTERPRISES LTD.	8	0	0	3	13	0	0	24
165	KAMARAJAR PORT LTD.	61	0	0	40	0	0	0	101
166	PAWAN HANS LTD.	173	176	0	97	0	0	353	799
167	PETRONET CCK LTD.	5	0	35	0	0	0	0	40
168	SHIPPING CORPORATION OF INDIA LTD.	686	110	0	0	0	0	0	796
SUB TOTAL :		14480	4908	4965	9205	7868	2450	809	44685
CONTRACT & CONSTRUCTION SERVICES									
169	BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LTD.	59	39	6	160	86	0	0	350
170	BRIDGE & ROOF CO.(INDIA) LTD.	740	388	0	164	74	0	0	1366
171	HINDUSTAN PREFAB LTD.	14	73	0	109	38	0	189	423
172	HINDUSTAN STEELWORKS COSTN. LTD.	34	7	0	16	2	0	0	59

Sl. No.	Cognate Group / CPSE	Managerial/ Executives	Supervisory		Non-Executives		Casual/ Daily Rated Workers	Contract Workers / Employees	Total
			Unionised	Non-Unionised	Skilled	Unskilled			
173	INDIAN RAILWAY STATIONS DEVPT. CORPORATION LTD.	9	0	2	0	3	0	0	14
174	IRCON INFRASTRUCTURE & SERVICES LTD.	9	0	3	2	0	0	36	50
175	IRCON INTERNATIONAL LTD.	708	0	256	354	0	0	185	1503
176	KONKAN RAILWAY CORPORATION LTD.	194	1418	0	2675	765	0	0	5052
177	MINERAL EXPLORATION CORPN. LTD.	274	150	0	818	7	122	449	1820
178	MUMBAI RAILWAY VIKAS CORPORATION LTD.	66	0	130	8	13	0	0	217
179	NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPN. LTD.	67	0	100	0	0	0	0	167
180	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	292	70	96	409	105	0	0	972
181	NBCC (INDIA) LTD.	437	85	436	1039	0	0	314	2311
182	NBCC SERVICES LTD.	0	0	0	0	0	0	0	0
183	PROJECTS & DEVELOPMENT INDIA LTD.	348	10	13	15	0	0	85	471
184	RAIL VIKAS NIGAM LTD.	413	0	0	4	29	0	0	446
185	TCIL BINA TOLL ROAD LTD.	0	0	0	0	0	0	0	0
SUB TOTAL :		3664	2240	1042	5773	1122	122	1258	15221
INDUSTRIAL DEVELOPMENT & TECH.CONSULTANCY SERVICES									
186	AGRINNOVATE INDIA LTD.	2	3	0	0	0	0	3	8
187	BROADCAST ENGG. CONSULTANTS INDIA LTD.	37	0	21	0	0	0	0	58
188	CENTRAL MINE PLANNING & DESIGN INSTITUTE LTD.	913	1463	0	0	1246	0	0	3622
189	CERTIFICATION ENGINEERS INTERNATIONAL LTD.	69	0	3	0	0	0	23	95
190	EdCIL(India) Ltd.	37	0	16	25	1	0	76	155
191	ENGINEERING PROJECTS (INDIA) LTD.	332	0	45	17	3	0	91	488
192	ENGINEERS INDIA LTD.	914	0	1880	245	3	0	0	3042
193	HLL INFRA TECH SERVICES LTD.	0	0	506	0	0	0	344	850
194	HSCC (INDIA) LTD.	117	15	28	0	0	0	0	160
195	IIFCL PROJECTS LTD.	13	0	0	0	0	0	3	16
196	MECON LTD.	1293	173	0	0	0	0	1038	2504
197	NATIONAL INFORMATICS CENTRE SERVICES INCORPORATED	0	0	0	0	0	0	0	0
198	NATIONAL RESEARCH DEVELOPMENT CORPN.	38	13	0	12	12	0	5	80
199	NATIONAL SMALL INDUSTRIES CORPN. LTD.	533	163	0	142	65	0	0	903
200	PFC CAPITAL ADVISORY SERVICE LTD.	3	0	0	0	0	0	0	3
201	PFC CONSULTING LTD.	0	0	0	0	0	0	0	0
202	POWER SYSTEM OPERATION CORPORATION LTD.	308	0	46	97	0	0	100	551
203	RAILWAY ENERGY MANAGEMENT COMPANY LTD.	1	0	0	0	0	0	0	1
204	BITES INFRASTRUCTURE SERVICES LTD.	0	0	0	0	0	0	0	0
205	BITES LTD.	1591	0	253	218	218	0	873	3153
206	SOLAR ENERGY CORPORATION OF INDIA	53	0	9	0	0	0	0	62
207	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	414	216	0	259	0	0	260	1149
208	WAPCOS LTD.	598	25	33	93	61	0	1803	2613
SUB TOTAL :		7266	2071	2840	1108	1609	0	4619	19513
TOURIST SERVICES									
209	ASSAM ASHOK HOTEL CORPN. LTD.	5	7	0	44	7	0	54	117
210	DONYI POLO ASHOK HOTEL LTD.	2	3	0	21	0	0	18	44
211	HOTEL CORPN. OF INDIA LTD.	47	60	107	511	200	137	153	1215
212	INDIA TOURISM DEV. CORPN. LTD.	255	65	0	893	190	0	87	1490
213	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	291	0	523	658	0	0	11	1483
214	MADHYA PRADESH ASHOK HOTEL CORPN. LTD.	3	8	0	47	0	0	48	106
215	PONDICHERRY ASHOK HOTEL	3	0	7	9	0	0	17	36

Sl. No.	Cognate Group / CPSE	Managerial/ Executives	Supervisory		Non-Executives		Casual/ Daily Rated Workers	Contract Workers / Employees	Total
			Unionised	Non-Unionised	Skilled	Unskilled			
	CORPN. LTD.								
216	RANCHI ASHOK BIHAR HOTEL CORPN. LTD.	2	2	0	21	13	0	13	51
217	UTKAL ASHOK HOTEL CORPN. LTD.	0	0	0	0	0	0	0	0
	SUB TOTAL :	608	145	637	2204	410	137	401	4542
	FINANCIAL SERVICES								
218	BALMER LAWRIE INVESTMENTS LTD.	0	0	0	0	0	0	0	0
219	BIOTECHNOLOGY INDUSTRY RESEARCH ASSISTANCE COUNCIL	33	0	0	8	0	0	41	82
220	DELHI POLICE HOUSING CORPORATION LTD.	0	0	0	0	0	0	0	0
221	E. C. G. C. LTD.	210	342	0	0	92	55	0	699
222	HOUSING & URBAN DEV. CORPN. LTD.	556	0	89	103	115	0	0	863
223	IFCL ASSET MANAGEMENT COMPANY LTD.	6	0	0	0	0	0	4	10
224	INDIA INFRASTRUCTURE FINANCE CO. LTD.	87	0	0	0	1	0	0	88
225	INDIAN RAILWAY FINANCE CORPORATION LTD.	7	0	0	8	3	0	0	18
226	INDIAN RENEWABLE ENERGY DEVT.AGENCY LTD.	106	0	11	1	19	0	45	182
227	INDIAN VACCINE CORP. LTD.	1	0	1	0	0	0	0	2
228	KUMARAKRUPPA FRONTIER HOTELS LTD.	2	1	0	0	0	0	0	3
229	NATIONAL BACKWARD CLASSES FINANCE & DEVP.CO.	10	0	7	30	0	0	0	47
230	NATIONAL FILM DEV. CORPN. LTD.	27	0	14	9	46	0	0	96
231	NATIONAL HANDICAPPED FINANCE & DEVPT. CORPN.	13	0	1	14	5	0	0	33
232	NATIONAL MINORITIES DEVP. & FINANCE CORPORATION	12	0	4	3	14	0	19	52
233	NATIONAL SAFAI KARAMCHARIS FINANCE & DEVPT. CORPN	8	0	2	7	3	0	28	48
234	NATIONAL SCHEDULED CASTES FINANCE & DEVP. CORPN.	36	0	7	22	13	0	0	78
235	NATIONAL SCHEDULED TRIBES FINANCE & DEVP. CORPN.	26	0	6	22	0	0	0	54
236	PFC GREEN ENERGY LTD.	15	1	0	0	0	0	0	16
237	POWER FINANCE CORPORATION LTD.	357	85	0	22	3	0	3	470
238	RURAL ELECTRIFICATION CORPN. LTD.	463	0	0	64	73	0	0	600
	SUB TOTAL :	1975	429	142	313	387	55	140	3441
	TELECOMMUNICATION SERVICES								
239	BHARAT BROADBAND NETWORK LTD.	107	0	0	0	0	0	0	107
240	BHARAT SANCHAR NIGAM LTD.	44906	0	0	166180	0	3469	0	214555
241	MAHANAGAR TELEPHONE NIGAM LTD.	4354	0	0	18301	8415	14	0	31084
242	MILLENNIUM TELECOM LTD.	0	0	0	0	0	0	0	0
243	RAILTEL CORPORATION INDIA LTD.	521	0	5	9	0	0	106	641
244	RAILTEL ENTERPRISES LTD.	37	0	0	0	0	0	0	37
	SUB TOTAL :	49925	0	5	184490	8415	3483	106	246424
	ENTERPRISES UNDER CONSTRUCTION								
245	ANUSHAKTI VIDHYUT NIGAM LTD.	0	0	0	0	0	0	0	0
246	BAIRA SIUL SARNA TRANSMISSION LTD.	0	0	0	0	0	0	0	0
247	BALLABGARH - GN TRANSMISSION CO. LTD.	0	0	0	0	0	0	0	0
248	BEL-THALES SYSTEMS LTD.	6	0	2	0	0	0	8	16
249	BHARAT PETRO RESOURCES JPDA	0	0	0	0	0	0	0	0
250	BHARATIYA NABHIKIYA VIDYUT NIGAM LTD.	182	0	80	135	0	0	0	397
251	BHARTIYA RAIL BIJLEE CO. LTD.	135	0	0	0	0	0	0	135
252	BIHAR INFRAPOWER LTD.	0	0	0	0	0	0	0	0
253	BIHAR MEGA POWER LTD.	0	0	0	0	0	0	0	0
254	BPCL-KIAL FUEL PVT. LTD.	0	0	0	0	0	0	0	0
255	BUNDELKHAND SAUR URJA LTD.	6	0	0	0	0	0	0	6
256	CHEYYUR INFRA LTD.	0	0	0	0	0	0	0	0

Sl. No.	Cognate Group / CPSE	Managerial/ Executives	Supervisory		Non-Executives		Casual/ Daily Rated Workers	Contract Workers / Employees	Total
			Unionised	Non-Unionised	Skilled	Unskilled			
257	CHHATTISGARH EAST RAILWAYS LTD.	0	0	0	0	0	0	0	0
258	CHHATTISGARH MEGA STEEL CO. LTD.	0	0	0	0	0	0	0	0
259	CHHATTISGARH SURGUJA POWER LTD.	0	0	0	0	0	0	0	0
260	COASTAL KARNATAKA POWER LTD.	0	0	0	0	0	0	0	0
261	COASTAL MAHARASHTRA MEGA POWER LTD.	0	0	0	0	0	0	0	0
262	COASTAL TAMIL NADU POWER LTD.	0	0	0	0	0	0	0	0
263	DEDICATED FRIGHT CORRIDOR CORP. OF INDIA LTD.	451	0	307	0	0	0	0	758
264	DEOGHAR INFRA LTD.	0	0	0	0	0	0	0	0
265	DEOGHAR MEGA POWER LTD.	0	0	0	0	0	0	0	0
266	DINGCHANG TRANSMISSION LTD.	0	0	0	0	0	0	0	0
267	GHOARPALLI INTEGRATED POWER COMPANY LTD.	0	0	0	0	0	0	0	0
268	HIGH SPEED RAIL CORPORATION OF INDIA LTD.	0	0	0	0	0	0	0	0
269	HPCL RAJASTHAN REFINERY LTD.	0	0	0	0	0	0	0	0
270	INDIAN CATALYST PVT. LTD.	0	0	0	0	0	0	0	0
271	IRCON PB TOLLWAY LTD.	9	4	0	0	0	0	0	13
272	IRCON SHIVPURI GUNA TOLLWAY LTD.	0	0	0	0	0	0	0	0
273	JAGDISHPUR PAPER MILLS LTD.	0	0	0	0	0	0	0	0
274	JHARKHAND INFRAPOWER LTD.	0	0	0	0	0	0	0	0
275	JHARKHAND KOLHAN STEEL LTD.	0	0	0	0	0	0	0	0
276	JHARKHAND NATIONAL MINERAL DEVPT. CORPORATION LTD.	0	0	0	0	0	0	0	0
277	KARNATAKA VIJAY NAGAR STEEL LTD.	0	0	0	0	0	0	0	0
278	KHARGONE TRANSMISSION LTD.	0	0	0	0	0	0	0	0
279	KOHIMA-MARIANI TRANSMISSION LTD.	0	0	0	0	0	0	0	0
280	KOLKATA METRO RAIL CORPORATION LTD.	36	0	2	0	0	0	0	38
281	LOKTAK DOWNSTREAM HYDROELECTRIC CORPORATION LTD.	14	0	0	11	5	0	55	85
282	MAHANADI BASIN POWER LTD.	8	0	1	0	1	0	0	10
283	MEDINIPUR-JEERAT TRANSMISSION LTD.	0	0	0	0	0	0	0	0
284	MJSJ COAL LTD.	0	0	0	0	0	0	0	0
285	MNH SHAKTI LTD.	1	1	0	0	0	0	0	2
286	MOHINDER GARH-BHIWANI TRANSMISSION LTD.	0	0	0	0	0	0	0	0
287	NBCC ENGINEERING AND CONSULTANCY LTD.	0	0	0	0	0	0	0	0
288	NELLORE TRANSMISSION LTD.	0	0	0	0	0	0	0	0
289	NER-II TRANSMISSION LTD.	0	0	0	0	0	0	0	0
290	NEYVELI UTTAR PRADESH POWER LTD.	18	0	0	0	0	0	14	32
291	NMDC POWER LTD.	0	0	0	0	0	0	0	0
292	NMDC STEEL LTD.	0	0	0	0	0	0	0	0
293	NMDC-CMDC LTD.	0	0	0	2	0	0	0	2
294	NORTH KARANPURA TRANSCO LTD.	0	0	0	0	0	0	0	0
295	NPCIL - INDIAN OIL NUCLEAR ENERGY CORPORATION LTD.	0	0	0	0	0	0	0	0
296	NPCIL - NALCO POWER COMPANY LTD.	0	0	0	0	0	0	0	0
297	NRSS XXXVI TRANSMISSION LTD.	0	0	0	0	0	0	0	0
298	ODISHA INFRAPOWER LTD.	0	0	0	0	0	0	0	0
299	OIL INDIA INTERNATIONAL LTD.	0	0	0	0	0	0	0	0
300	ORISSA INTEGRATED POWER LTD.	0	0	0	0	0	0	0	0
301	PATRATU VIDYUT UTPADAN NIGAM LTD.	30	0	0	0	0	0	0	30
302	POWER GRID JABALPUR TRANSMISSION LTD.	0	0	0	0	0	0	0	0
303	POWER GRID PARLI TRANSMISSION LTD.	0	0	0	0	0	0	0	0

Sl. No.	Cognate Group / CPSE	Managerial/ Executives	Supervisory		Non-Executives		Casual/ Daily Rated	Contract Workers /	Total
			Unionised	Non- Unionised	Skilled	Unskilled	Workers	Employees	
304	POWER GRID SOUTHERN INTERCONNECTOR TRANSMISSION SYSTEM LTD.	0	0	0	0	0	0	0	0
305	POWER GRID WARORA TRANSMISSION LTD.	0	0	0	0	0	0	0	0
306	POWERGRID KALA AMB TRANSMISSION LTD.	0	0	0	0	0	0	0	0
307	POWERGRID NM TRANSMISSION LTD.	9	0	0	0	0	0	336	345
308	POWERGRID UNCHAHAR TRANSMISSION LTD.	0	0	0	0	0	0	0	0
309	POWERGRID VIZAG TRANSMISSION LTD.	0	0	0	0	0	0	0	0
310	PUNJAB ASHOK HOTEL COMPANY LTD.	0	0	0	0	0	0	0	0
311	PUNJAB LOGISTIC INFRASTRUCTURE LTD.	0	0	0	0	0	0	0	0
312	SAKHIGOPAL INTEGRATED POWER COMPANY LTD.	0	0	0	0	0	0	0	0
313	SETHUSAMUDRAM CORPN. LTD.	1	0	0	0	0	0	8	9
314	SJVN THERMAL PVT. LTD.	0	0	0	0	0	0	0	0
315	SOUTH -CENTRAL EAST DELHI POWER TRANSMISSION LTD.	0	0	0	0	0	0	0	0
316	TANDA TRANSMISSION COMPANY LTD.	0	0	0	0	0	0	0	0
317	TATIYA ANDHRA MEGA POWER LTD.	0	0	0	0	0	0	0	0
318	TCIL LAKHNADONE TOLL ROAD LTD.	0	0	0	0	0	0	0	0
319	YULE ELECTRICAL LTD.	0	0	0	0	0	0	0	0
320	YULE ENGINEERING COMPANY LTD.	0	0	0	0	0	0	0	0
SUB TOTAL :		906	5	392	148	6	0	421	1878
GRAND TOTAL :		259565	82324	39669	614059	238001	19103	267929	1520650

STATEMENT - 23

TOWNSHIP MAINTENANCE EXPENDITURE IN CPSEs (COGNATE GROUP)

(₹ in crore)

Sl.No	Cognate Group	Township Maintenance						Social Overheads	Grand Total
		Township Office and Administration	Depreciation on Township Outplay	Interest on Township Outplay	Total Gross Expenditure	Less Rent Receipt and Other Income	Net Expenditure	on Education, Medical and Cultural Activities	
1	AGRO BASED INDUSTRIES	0	0	0	0	0	0	0	0
2	COAL	530.53	61.7	0	592.23	93.97	498.26	1468.12	1966.38
3	CRUDE OIL	0	0	0	0	0	0	0	0
4	OTHER MINERALS & METALS	64.84	28.2	0	93.04	14.53	78.51	161.34	239.85
5	STEEL	125.04	7.46	0	132.5	13.02	119.48	49.83	169.31
6	PETROLEUM (REFINERY & MARKETING)	522.72	62.23	20.67	605.62	29.6	576.02	139.24	715.26
7	FERTILIZERS	65.15	5.61	0	70.76	20.51	50.25	32.61	82.86
8	CHEMICALS & PHARMACEUTICALS	6.06	1.71	0	7.77	4.19	3.58	2.57	6.15
9	HEAVY ENGINEERING	123.73	15.84	0	139.57	34.04	105.53	144.73	250.26
10	MEDIUM & LIGHT ENGINEERING	25.43	4.48	0.37	30.28	30.85	-0.57	130.98	130.41
11	TRANSPORTATION EQUIPMENT	16.21	1.03	0	17.24	2.9	14.34	32.89	47.23
12	CONSUMER GOODS	46.44	4.97	0	51.41	2.53	48.88	14.73	63.61
13	TEXTILES	0.01	0	0	0.01	0	0.01	3.82	3.83
14	POWER GENERATION	561.78	102.01	1.55	665.34	76.42	588.92	554.75	1143.67
15	POWER TRANSMISSION	18.27	19.05	0	37.32	2.88	34.44	186.24	220.68
16	TRADING & MARKETING	2.85	0.33	0	3.18	0.12	3.06	18.18	21.24
17	TRANSPORT SERVICES	14.1	0.38	0	14.48	0	14.48	7.27	21.75
18	CONTRACT & CONSTRUCTION SERVICES	7.24	1.4	0	8.64	4.61	4.03	15.79	19.82
19	INDUSTRIAL DEVELOPMENT & TECH.CONULTANCY SERVICES	31.21	2.67	0	33.88	2.1	31.78	10.85	42.63
20	TOURIST SERVICES	0	0	0	0	0	0	0.24	0.24
21	FINANCIAL SERVICES	6.69	0.82	0	7.51	0.03	7.48	0.21	7.69
22	TELECOMMUNICATION SERVICES	0	0	0	0	0	0	0	0
23	ENTERPRISES UNDER CONSTRUCTION	1.07	1.81	0	2.88	0.28	2.6	0.53	3.13
GRAND TOTAL :		2169.37	321.7	22.59	2513.66	332.58	2181.08	2974.92	5156
								Total Net Expenditure	5156
								Add Rent Receipts and Other Income	332.58
								Total Gross Expenditure	5488.58

STATEMENT - 24

Representation of SCs, STs and OBCs in the CPSEs under different Ministries/Departments as on 31.3.2016

Sl.No.	Ministry / Deptt. / CPSE	Group A Managerial/Executives Level					Group B Supervisory Level					Group C Workers (Skilled)					Group D Workers (Un-Skilled)				
		Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs
MINISTRY OF AGRICULTURE AND FARMERS WELFARE																					
D/O AGRICULTURE COOPERATION AND FARMERS WELFARE																					
1	NATIONAL SEEDS CORPN. LTD.	230	35	8	49	129	18	6	21	446	85	17	87	733	165	22	216				
SUB TOTAL :		230	35	8	49	129	18	6	21	446	85	17	87	733	165	22	216				
MINISTRY OF AGRICULTURE AND FARMERS WELFARE																					
D/O OF AGRICULTURE RESEARCH AND EDUCATION																					
2	AGRINNOVATE INDIA LTD.	2	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUB TOTAL :		2	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MINISTRY OF AYUSH																					
INDIAN MEDICINES & PHARMACEUTICAL CORPN. LTD.																					
3	INDIAN MEDICINES & PHARMACEUTICAL CORPN. LTD.	9	2	0	0	122	5	1	2	0	0	0	0	0	0	0	0	0	0	0	0
SUB TOTAL :		9	2	0	0	122	5	1	2	0	0	0	0	0	0	0	0	0	0	0	0
MINISTRY OF CHEMICALS & FERTILIZERS																					
D/O CHEMICALS & PETROCHEMICALS																					
4	BRAHMAPUTRA CRACKERS & POLYMER LTD.	393	39	20	100	186	10	13	23	0	0	0	0	0	0	0	0	0	0	0	0
5	HINDUSTAN FLUOROCARBONS LIMITED	94	7	1	16	0	0	0	0	22	6	4	15	25	6	11	7				
6	HINDUSTAN INSECTICIDES LTD.	1	0	0	0	295	29	4	42	669	105	29	273	150	35	36	53				
7	HINDUSTAN ORGANIC CHEMICALS LTD.	354	50	17	18	47	39	9	10	354	27	3	50	202	22	12	34				
SUB TOTAL :		842	96	38	134	528	78	26	75	1045	138	36	338	377	63	59	94				
MINISTRY OF CHEMICALS & FERTILIZERS																					
D/O FERTILIZER																					
8	BRAHMAPUTRA VALLEY FERTILIZER CORPN. LTD.	366	30	39	102	0	0	0	0	333	26	62	113	12	4	0	2				
9	FCI ARAVALI GYPSUM & MINERALS (INDIA) LTD.	29	4	0	6	0	0	0	0	17	1	2	3	4	0	0	0				
10	FERTILIZER CORPN. OF INDIA LTD.	2	0	1	0	6	1	0	1	1	0	0	0	0	0	0	0				
11	FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.	637	91	26	129	0	0	0	0	1164	132	31	429	599	71	16	235				
12	HINDUSTAN FERTILIZER CORPN. LTD.	2	1	0	0	2	2	0	0	0	0	0	0	0	0	0	0				
13	MADRAS FERTILIZERS LTD.	2	94	6	17	452	0	0	0	245	60	1	115	24	14	0	1				

Sl.No.	Ministry / Deptt. / CPSE	Group A Managerial/Executives Level					Group B Supervisory Level					Group C Workers (Skilled)					Group D Workers (Un-Skilled)				
		Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs
14	NATIONAL FERTILIZERS LTD.	1697	371	114	110	0	0	0	0	1800	476	114	196	98	80	1	5				
15	PROJECTS & DEVELOPMENT INDIA LTD.	348	46	18	69	23	5	0	4	15	4	0	1	0	0	1	0				
16	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	979	156	29	87	1766	238	124	111	769	103	72	172	261	39	29	60				
SUB TOTAL :		4062	793	233	520	2249	246	124	116	4344	802	282	1029	998	208	47	303				
MINISTRY OF CHEMICALS & FERTILIZERS																					
D/O PHARMACEUTICALS																					
17	BENGAL CHEMICALS & PHARMACEUTICALS LTD.	71	8	0	5	110	5	0	2	166	20	1	4	23	3	0	0				
18	HINDUSTAN ANTIBIOTICS LTD.	218	25	7	17	8	1	0	2	572	82	21	98	227	51	13	23				
19	IDPL (TAMILNADU) LTD.	13	0	0	9	0	0	0	4	47	1	0	0	64	0	0	0				
20	INDIAN DRUGS & PHARMACEUTICALS LTD.	32	2	0	0	34	1	0	0	0	2	0	1	0	7	0	0				
21	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	239	36	2	27	0	0	0	0	212	60	21	80	261	0	0	0				
22	ORISSA DRUGS & CHEMICALS LTD.	10	0	0	0	13	0	0	0	27	0	0	0	11	0	0	0				
23	RAJASTHAN DRUGS & PHARMACEUTICALS LTD.	24	2	0	4	33	6	2	5	101	18	15	15	2	0	0	0				
SUB TOTAL :		607	73	9	62	198	13	2	13	1125	183	58	198	588	61	13	23				
MINISTRY OF CIVIL AVIATION																					
24	AIR INDIA AIR TRANSPORT SERVICES LTD.	7	1	0	0	155	35	7	20	667	134	52	85	1513	385	122	69				
25	AIR INDIA CHARTERS LTD.	133	0	0	0	512	0	0	0	0	0	0	0	126	0	0	0				
26	AIR INDIA ENGINEERING SERVICES LTD.	440	0	0	0	4000	0	0	0	0	0	0	0	0	0	0	0				
27	AIR INDIA LTD.	4658	102	30	7	1864	1215	515	344	3659	0	381	411	2645	1413	0	0				
28	AIRLINE ALLIED SERVICES LTD.	18	0	1	1	45	0	0	0	0	0	0	0	391	39	15	49				
29	AIRPORTS AUTHORITY OF INDIA	7672	1232	471	1285	2749	471	153	240	3791	899	338	902	3115	1276	237	443				
30	HOTEL CORPN. OF INDIA LTD.	47	0	0	0	167	0	0	0	511	0	0	0	200	0	0	0				
31	PAWAN HANS LTD.	173	13	4	10	176	35	15	15	97	25	19	13	0	0	0	0				
SUB TOTAL :		13148	1348	506	1303	9668	1756	690	619	8725	1058	790	1411	7990	3113	374	561				
MINISTRY OF COAL																					

Sl.No.	Ministry / Deptt. / CPSE	Group A Managerial/Executives Level						Group B Supervisory Level						Group C Workers (Skilled)						Group D Workers (Un-Skilled)					
		Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs				
32	BHARAT COKING COAL LTD.	2324	224	73	225	4617	39	35	360	34494	9471	2983	10619	12235	4686	658	4352								
33	CENTRAL COALFIELDS LTD.	2582	267	159	324	3377	174	119	424	14131	3521	2808	4925	23591	5996	4044	5336								
34	CENTRAL MINE PLANNING & DESIGN INSTITUTE LTD.	913	94	39	174	1463	49	21	56	0	187	121	194	1246	132	95	178								
35	COAL INDIA LTD.	498	26	21	6	362	9	6	22	1309	118	61	91	565	10	31	0								
36	EASTERN COALFIELDS LTD.	2375	349	111	236	4439	327	147	731	25377	9125	4234	9581	34047	8026	4235	6085								
37	MAHANADI COALFIELDS LTD.	1854	244	101	357	3295	260	175	94	9062	825	448	59	8186	1012	715	142								
38	NLC INDIA LTD.	4111	859	296	404	304	66	4	127	10054	1924	98	2690	1411	306	4	676								
39	NLC TAMIL NADU POWER LTD.	192	40	13	22	30	8	0	9	10	1	1	4	0	0	0	0								
40	NORTHERN COALFIELDS LTD.	1786	140	41	76	1697	307	103	306	11761	1546	867	1845	834	570	337	385								
41	SOUTH EASTERN COALFIELDS LTD.	3323	411	177	367	9716	572	652	783	31948	6816	7482	8841	19518	4051	4968	3994								
42	WESTERN COALFIELDS LTD.	2599	216	47	485	5315	610	198	1688	23539	7159	2140	4071	17609	1860	1146	10129								
SUB TOTAL :		22557	2870	1078	2676	34615	2421	1460	4600	161685	40693	21243	42920	119242	26649	16233	31277								
MINISTRY OF COMMERCE & INDUSTRY																									
D/O COMMERCE																									
43	E. C. G. LTD.	210	32	10	26	342	62	23	68	0	10	3	1	92	3	0	0								
44	INDIA TRADE PROMOTION ORGANISATION	143	31	6	13	75	11	4	1	261	50	5	17	364	123	3	10								
45	KARNATAKA TRADE PROMOTION ORGANISATION	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0								
46	M M T C LTD.	519	100	39	41	783	174	83	50	22	0	0	18	18	0	0	11								
47	P E C LTD.	132	24	6	19	7	2	1	0	6	2	0	1	5	3	1	1								
48	STATE TRADING CORPN. OF INDIA LTD.	468	113	24	42	0	0	0	0	151	30	16	10	73	36	6	4								
49	STCL LTD.	6	0	0	0	4	0	0	0	2	0	0	2	1	0	0	0								
50	TAMIL NADU TRADE PROMOTION ORGANISATION	5	1	0	4	0	0	0	0	0	0	0	0	0	0	0	0								
SUB TOTAL :		1485	301	85	147	1211	249	111	119	442	92	24	49	553	165	10	26								
MINISTRY OF COMMUNICATIONS & INFORMATION TECHNOLOGY																									
D/O TELECOMMUNICATIONS																									
51	BHARAT BROADBAND NETWORK LTD.	107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
52	BHARAT SANCHAR NIGAM LTD.	44906	7574	2362	6397	0	0	0	0	166180	31825	8897	15190	0	0	0	0								
53	ITI LTD.	3312	517	40	319	0	0	0	0	1805	304	9	248	112	40	1	11								

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		Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs
54	MAHANAGAR TELEPHONE NIGAM LTD.	4354	632	138	111	0	0	0	0	18301	3405	312	76	8415	2095	624	8				
55	MILLENNIUM TELECOM LTD.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
56	TCIL BINA TOLL ROAD LTD.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
57	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	414	60	19	54	216	34	6	28	259	38	3	60	0	0	0	0				
	SUB TOTAL :	53093	8783	2559	6881	216	34	6	28	186545	35572	9221	15574	8527	2135	625	19				
MINISTRY OF COMMUNICATIONS & INFORMATION TECHNOLOGY																					
D/O ELECTRONICS AND INFORMATION TECHNOLOGY																					
58	NATIONAL INFORMATICS CENTRE SERVICES INCORPORATED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	SUB TOTAL :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
MINISTRY OF COMSUMER AFFAIRS, FOOD & PUBLIC DISTRIBUTION																					
D/O FOOD & PUBLIC DISTRIBUTION																					
59	CENTRAL RAILSIDE WAREHOUSE CO. LTD.	53	6	2	11	0	0	0	0	0	0	0	0	0	0	0	0				
60	CENTRAL WAREHOUSING CORPN.	245	44	14	25	1867	313	94	48	1322	252	99	151	644	212	33	63				
61	FOOD CORPN. OF INDIA	863	0	0	0	16749	0	0	0	3435	0	0	0	47912	0	0	0				
	SUB TOTAL :	1161	50	16	36	18616	313	94	48	4757	252	99	151	48556	212	33	63				
MINISTRY OF DEFENCE																					
D/O DEFENCE PRODUCTION																					
62	BEL OPTRONICS DEVICES LTD.	33	1	0	8	0	0	0	0	97	11	1	37	0	0	0	0				
63	BEML LTD.	2337	414	122	538	3061	451	71	469	3209	921	225	650	220	91	7	14				
64	BHARAT DYNAMICS LTD.	863	146	83	144	0	0	0	0	1989	356	110	562	280	74	18	108				
65	BHARAT ELECTRONICS LTD.	5437	997	321	1176	198	17	1	23	3951	728	146	810	262	50	21	44				
66	GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.	496	86	26	95	310	48	12	32	1354	284	76	79	432	122	21	44				
67	GOA SHIPYARD LTD.	262	30	18	48	222	15	8	21	883	49	48	127	238	31	11	21				
68	HINDUSTAN AERONAUTICS LTD.	9360	1653	554	2152	0	0	0	0	20908	3618	1504	5161	32	5	0	6				
69	HINDUSTAN SHIPYARD LTD.	374	80	37	86	467	82	54	50	700	145	44	131	7	4	0	0				
70	MAZAGON DOCK SHIPBUILDERS LTD.	1045	0	0	0	797	0	0	0	6747	0	0	0	344	0	0	0				
71	MISHRA DHATU NIGAM LTD.	230	36	10	47	85	12	3	24	309	56	27	115	148	36	12	60				
72	VIGNYAN INDUSTRIES LTD.	14	1	1	4	0	0	0	0	56	2	1	32	25	4	2	8				

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		SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.
		3444	1172	4298	5140	625	149	619	40203	6170	2182	7704	1988	417	92	305					
MINISTRY OF DEVELOPMENT OF NORTH-EASTERN REGION																					
SUB TOTAL :		20451	3444	1172	4298	5140	625	149	619	40203	6170	2182	7704	1988	417	92	305				
73	NORTH EASTERN HANDICRAFTS & HANDLOOM DEV. CORPN. LTD.	9	0	1	0	7	1	2	0	51	4	11	10	0	0	0	0				
74	NORTH EASTERN REGIONAL AGRIC. MARKETING CORP. LTD.	8	0	0	0	0	0	0	0	12	3	2	2	30	5	8	1				
SUB TOTAL :		17	0	1	0	7	1	2	0	63	7	13	12	30	5	8	1				
MINISTRY OF ENVIRONMENT, FORESTS CLIMATE CHANGE																					
75	ANDAMAN & NICOBAR ISL. FOREST & PLANT DEV. CORP. LTD.	6	0	0	0	218	0	17	0	705	0	2	0	0	0	0	0				
SUB TOTAL :		6	0	0	0	218	0	17	0	705	0	2	0	0	0	0	0				
MINISTRY OF FINANCE																					
D/O FINANCIAL SERVICES																					
76	IIFCL ASSET MANAGEMENT COMPANY LTD.	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
77	IIFCL PROJECTS LTD.	13	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0				
78	INDIA INFRASTRUCTURE FINANCE CO. LTD.	87	10	2	19	0	0	0	0	0	0	0	0	1	0	0	0				
SUB TOTAL :		106	10	2	21	0	0	0	0	0	0	0	0	1	0	0	0				
MINISTRY OF FINANCE																					
D/O ECONOMIC AFFAIRS																					
79	SECURITY PRINTING & MINTING CORPN. INDIA LTD.	315	49	17	57	1128	177	102	123	4677	885	467	501	4932	1143	358	476				
SUB TOTAL :		315	49	17	57	1128	177	102	123	4677	885	467	501	4932	1143	358	476				
MINISTRY OF HEALTH & FAMILY WELFARE																					
DEPARTMENT OF HEALTH AND FAMILY WELFARE																					
80	GOA ANTIBIOTICS & PHARMACEUTICALS LTD.	25	0	0	10	54	0	0	25	4	0	0	4	111	0	0	81				
81	HLL BIOTECH LTD.	70	11	1	16	1	0	0	1	0	0	0	0	0	0	0	0				
82	HLL INFRA TECH SERVICES LTD.	0	30	4	134	506	5	0	18	0	0	0	0	0	0	0	0				
83	HLL LIFECARE LTD.	563	65	9	109	201	32	17	35	821	118	31	227	285	76	14	82				
84	HSCC (INDIA) LTD.	117	12	2	14	43	14	0	5	0	0	0	0	0	0	0	0				
SUB TOTAL :		775	118	16	283	805	51	17	84	825	118	31	231	396	76	14	163				
MINISTRY OF HEAVY INDUSTRIES & PUBLIC ENTERPRISES																					
D/O HEAVY INDUSTRIES																					
85	ANDREW YULE & COMPANY LTD.	230	25	6	32	548	32	32	187	354	0	4012	65	13726	2290	31	6604				

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86	BHARAT HEAVY ELECTRICALS LTD.	12166	2094	898	2632	8041	1534	506	1864	20909	4593	1299	7663	1082	266	28	352								
87	BHARAT PUMPS & COMPRESSORS LTD.	116	13	1	22	11	4	0	8	387	64	2	137	9	0	0	2								
88	BHEL ELECTRICAL MACHINES LTD.	20	2	0	11	4	0	0	3	122	7	4	67	32	3	2	21								
89	BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LTD.	59	5	0	2	45	1	0	1	160	0	0	0	86	1	0	0								
90	BRIDGE & ROOF CO.(INDIA) LTD.	740	121	8	49	388	22	1	14	164	21	4	7	74	8	0	0								
91	CEMENT CORPN. OF INDIA LTD.	178	25	3	16	209	34	10	31	340	0	0	0	23	55	64	50								
92	ENGINEERING PROJECTS (INDIA) LTD.	332	59	10	45	45	8	0	7	17	4	0	7	3	0	0	1								
93	HEAVY ENGINEERING CORPN. LTD.	761	162	92	81	128	43	17	3	584	95	190	120	77	12	31	0								
94	HINDUSTAN CABLES LTD.	166	20	3	12	286	50	8	55	770	108	10	50	111	56	18	17								
95	HINDUSTAN NEWSPRINT LTD.	116	5	0	25	42	3	0	7	324	22	1	92	81	12	0	42								
96	HINDUSTAN PAPER CORPORATION LTD.	302	27	27	116	132	12	12	8	1321	155	155	0	85	13	13	0								
97	HINDUSTAN PHOTO FILMS MANUFACTURING CO. LTD.	9	3	1	3	63	14	2	36	109	21	5	54	36	20	19	33								
98	HINDUSTAN SALTS LTD.	16	2	1	1	24	4	0	4	37	6	2	3	0	0	0	3								
99	HMT (INTERNATIONAL) LTD.	23	2	2	0	7	0	0	0	1	0	1	0	1	0	0	0								
100	HMT BEARINGS LTD.	13	3	0	1	9	2	0	3	26	7	0	12	7	0	0	0								
101	HMT CHINAR WATCHES LTD.	3	0	0	0	4	0	0	0	42	0	0	0	5	0	0	0								
102	HMT LTD.	164	29	0	5	78	12	1	5	976	211	30	79	0	0	0	0								
103	HMT MACHINE TOOLS LTD.	399	49	13	62	197	33	7	35	788	255	77	429	518	0	0	0								
104	HMT WATCHES LTD.	136	23	3	24	17	0	0	0	849	164	31	120	3	1	0	0								
105	HOOGLY PRINTING COMPANY LTD.	10	0	0	0	3	0	0	0	14	0	0	0	20	2	0	0								
106	INSTRUMENTATION LTD.	193	30	8	27	408	73	20	72	171	28	9	54	77	20	3	30								
107	NAGALAND PULP & PAPER COMPANY LTD.	66	0	0	0	24	0	0	0	0	0	0	0	91	0	0	0								
108	NEPA LTD.	165	10	1	25	0	0	0	0	470	40	13	36	176	0	0	0								
109	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	74	9	3	15	80	8	1	13	68	24	4	18	28	8	2	12								
110	RICHARDSON & CRUDDAS(1972) LTD.	6	0	0	0	4	1	0	2	6	0	0	0	0	0	0	0								
111	SAMBHAR SALTS LTD.	15	2	1	2	19	2	0	2	73	16	6	37	0	0	0	0								

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		SCs		STs		OBCs	SCs		STs		OBCs	SCs		STs		OBCs	SCs		STs		OBCs	SCs		STs		OBCs		
112	SCOOTERS INDIA LTD.	98	17	1	15	34	1	0	5	253	79	0	96	13	0	0	0	0	0	0	0	0	0	0	0	0		
113	TUNGABHADRA STEEL PRODUCTS LTD.	5	0	0	3	14	2	0	4	56	19	2	17	0	0	0	0	0	0	0	0	0	0	0	0	0		
	SUB TOTAL :	16581	2737	1082	3226	10864	1895	617	2369	29391	5939	5857	9163	16364	2767	211	7167											
MINISTRY OF HOME AFFAIRS																												
114	DELHI POLICE HOUSING CORPORATION LTD.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	SUB TOTAL :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MINISTRY OF HOUSING & URBAN POVERTY ALLEVIATION																												
115	HINDUSTAN PREFAB LTD.	14	1	0	0	73	18	1	2	109	60	8	2	38	8	0	1	1	1	1	0	0	0	0	0	1	1	
116	HOUSING & URBAN DEV. CORPN. LTD.	556	92	21	36	89	17	8	20	103	17	10	16	115	33	16	7	7	7	7	7	7	7	7	7	7	7	
	SUB TOTAL :	570	93	21	36	162	35	9	22	212	77	18	18	153	41	16	8											
MINISTRY OF HUMAN RESOURCE DEVELOPMENT																												
D/O SECONDARY EDUCATION & HIGHER EDUCATION																												
117	EdCIL(India) Ltd.	37	8	0	8	16	4	0	2	25	9	0	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
	SUB TOTAL :	37	8	0	8	16	4	0	2	25	9	0	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	
MINISTRY OF INFORMATION & BROADCASTING																												
118	BROADCAST ENGG. CONSULTANTS INDIA LTD.	37	7	1	3	21	8	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119	NATIONAL FILM DEV. CORPN. LTD.	27	6	2	2	14	1	0	1	9	2	0	3	46	16	0	11	11	11	11	11	11	11	11	11	11	11	11
	SUB TOTAL :	64	13	3	5	35	9	0	3	9	2	0	3	46	16	0	11	11	11	11	11	11	11	11	11	11	11	
MINISTRY OF MICRO SMALL & MEDIUM ENTERPRISES																												
120	NATIONAL SMALL INDUSTRIES CORPN. LTD.	533	91	17	94	163	22	4	20	142	27	1	22	65	23	0	9	9	9	9	9	9	9	9	9	9	9	9
	SUB TOTAL :	533	91	17	94	163	22	4	20	142	27	1	22	65	23	0	9	9	9	9	9	9	9	9	9	9	9	
MINISTRY OF MINES																												
121	HINDUSTAN COPPER LTD.	561	76	20	61	71	11	5	18	1968	303	347	253	652	158	78	20	20	20	20	20	20	20	20	20	20	20	20
122	MINERAL EXPLORATION CORPN. LTD.	274	46	19	44	150	28	9	29	818	132	70	92	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0
123	NATIONAL ALUMINIUM COMPANY LTD.	1804	245	125	188	816	151	139	52	3802	655	860	464	678	111	162	79	79	79	79	79	79	79	79	79	79	79	79
	SUB TOTAL :	2639	367	164	293	1037	190	153	99	6588	1090	1277	809	1337	272	240	99	99	99	99	99	99	99	99	99	99	99	99
MINISTRY OF MINORITIES AFFAIRS																												
124	NATIONAL MINORITIES	12	2	1	1	4	0	0	2	3	2	0	0	14	7	0	3	3	3	3	3	3	3	3	3	3	3	3

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		Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs
	DEVP. & FINANCE CORPORATION																				
	SUB TOTAL :	12	2	1	1	4	0	0	2	3	2	0	0	14	7	0	3				
MINISTRY OF NEW AND RENEWABLE ENERGY																					
125	INDIAN RENEWABLE ENERGY DEVT.AGENCY LTD.	106	17	7	18	11	2	1	1	1	1	0	0	19	4	1	3				
126	SOLAR ENERGY CORPORATION OF INDIA	53	2	2	7	9	0	0	1	0	0	0	0	0	0	0	0				
	SUB TOTAL :	159	19	9	25	20	2	1	2	1	0	0	19	4	1	3					
MINISTRY OF PETROLEUM & NATURAL GAS																					
127	BALMER LAWRIE & CO. LTD.	482	45	5	50	232	29	0	35	95	5	0	19	439	59	5	88				
128	BALMER LAWRIE INVESTMENTS LTD.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
129	BHARAT PETRO RESOURCES LTD.	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
130	BHARAT PETROLEUM CORPN. LTD.	5730	908	348	846	0	0	0	0	5097	753	285	670	1796	350	138	226				
131	CERTIFICATION ENGINEERS INTERNATIONAL LTD.	69	11	0	17	3	0	0	1	0	0	0	0	0	0	0	0				
132	CHENNAI PETROLEUM CORPORATION LTD.	198	59	7	16	606	141	18	75	833	199	12	322	0	0	0	0				
133	CREDA HPCL BIOFUEL LTD.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
134	ENGINEERS INDIA LTD.	914	171	42	35	1880	321	84	373	245	73	13	32	3	3	0	0				
135	GAIL (INDIA) LTD.	3381	557	239	594	279	38	21	73	598	103	23	185	58	17	6	14				
136	GAIL GAS LTD.	129	16	8	9	0	0	0	0	21	1	1	4	0	0	0	0				
137	HINDUSTAN PETROLEUM CORPN. LTD.	2140	411	181	5	3428	561	261	832	3966	763	352	128	1004	273	114	13				
138	HPCL BIOFUELS LTD.	36	4	0	27	101	1	0	10	257	32	5	132	0	37	9	214				
139	INDIAN OIL CORPORATION LTD.	15722	2594	1129	2616	5756	958	598	232	10244	2007	745	1871	1081	272	81	187				
140	INDIAN OIL-CREDA BIOFUELS LTD.	3	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0				
141	MANGALORE REFINERY & PETROCHEMICALS LTD.	816	59	19	174	0	0	0	0	996	100	32	374	0	0	0	0				
142	NUMALIGARH REFINERY LTD.	436	53	33	107	0	0	0	0	440	36	63	146	2	2	0	0				
143	OIL & NATURAL GAS CORPORATION LTD.	23039	3675	1915	2921	2198	283	329	250	6143	746	722	2121	2547	428	252	403				
144	OIL INDIA LTD.	1457	195	125	323	1131	66	110	304	3129	222	415	968	1815	122	240	578				
145	ONGC MANGALORE PETROCHEMICALS LTD.	167	5	0	23	0	0	0	0	253	1	0	107	45	1	1	22				

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146	ONGC VIDESH LTD.	1647	44	16	32	0	0	0	0	0	0	576	0	0	2	0	0	0	0	0	0
147	PETRONET CCK LTD.	5	0	0	0	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148	PRIZE PETROLEUM COMPANY LTD.	2	0	0	0	20	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0
SUB TOTAL :		56423	8808	4067	7796	15669	2398	1421	2189	5041	2668	32893	5041	2668	7081	8790	1564	846	1745		
MINISTRY OF POWER																					
149	KANTI BILEE UTPADAN NIGAM LTD.	181	25	10	43	0	0	0	0	0	0	6	1	0	1	0	0	0	0	0	0
150	NHDC LTD.	298	37	12	66	38	7	2	6	108	15	13	27	112	30	17	31				
151	NHPC LTD.	3910	594	263	770	250	32	6	20	3096	325	131	169	1398	260	112	78				
152	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	967	89	199	143	340	13	102	57	1060	74	406	172	54	0	50	2				
153	NTPC ELECTRIC SUPPLY COMPANY LTD.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154	NTPC LTD.	12001	1776	663	2372	190	19	12	10	9135	1429	644	1214	307	210	112	132				
155	NTPC VIDYUT VYAPAR NIGAM LTD.	45	4	1	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
156	PFC CAPITAL ADVISORY SERVICE LTD.	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157	PFC CONSULTING LTD.	0	4	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158	PFC GREEN ENERGY LTD.	15	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
159	POWER FINANCE CORPORATION LTD.	357	59	17	58	85	14	6	13	22	6	3	2	3	0	0	1				
160	POWER GRID CORPORATION OF INDIA LTD.	3798	504	201	776	2055	285	178	422	2371	330	225	502	74	16	7	21				
161	POWER SYSTEM OPERATION CORPORATION LTD.	308	50	11	51	46	5	1	9	97	23	4	6	0	0	0	0	0	0	0	0
162	REC POWER DISTRIBUTION CO. LTD.	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163	REC TRANSMISSION PROJECTS CO. LTD.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
164	RURAL ELECTRIFICATION CORPN. LTD.	463	48	16	63	0	0	0	0	64	11	0	2	73	22	1	3				
165	SJVN LTD.	804	102	49	114	295	67	8	25	576	145	33	38	80	7	7	1				
166	THDC INDIA LTD.	829	93	19	73	104	4	0	5	727	131	7	80	330	45	0	8				
SUB TOTAL :		23979	3387	1463	4536	3404	446	315	567	17263	2490	1466	2213	2431	590	306	277				
MINISTRY OF RAILWAYS																					
167	BHARAT WAGON & ENGG. CO. LTD.	24	0	0	2	45	8	0	13	589	50	0	203	3	0	0	0	0	0	0	0
168	BRAITHWAITE & CO. LTD.	45	0	1	1	47	6	0	1	230	32	0	0	0	0	0	0	0	0	0	0

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169	BURN STANDARD COMPANY LTD.	38	2	0	1	110	8	1	1	462	28	2	1	0	0	0	0	0	0	0	
170	CONCOR AIR LTD.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
171	CONTAINER CORPORATION OF INDIA LTD.	309	41	5	56	216	35	0	42	806	120	54	212	0	0	0	0	0	0	0	
172	FRESH & HEALTHY ENTERPRISES LTD.	8	0	0	0	0	0	0	0	3	1	0	1	13	1	1	2				
173	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	291	40	10	43	523	98	30	105	658	129	34	189	0	0	0	0	0	0	0	
174	INDIAN RAILWAY FINANCE CORPORATION LTD.	7	0	0	0	0	0	0	0	8	3	0	1	3	3	0	0	0	0	0	
175	INDIAN RAILWAY STATIONS DEVT. CORPORATION LTD.	9	0	0	0	2	0	0	1	0	0	0	0	3	0	0	0	0	0	0	
176	IRCON INFRASTRUCTURE & SERVICES LTD.	9	0	0	0	3	0	0	0	2	0	0	0	0	0	0	0	0	0	0	
177	IRCON INTERNATIONAL LTD.	708	90	18	121	256	54	17	81	354	49	13	50	0	0	0	0	0	0	0	
178	KONKAN RAILWAY CORPORATION LTD.	194	28	6	40	1418	170	57	304	2675	359	148	1109	765	186	86	554				
179	MUMBAI RAILWAY VIKAS CORPORATION LTD.	66	8	0	1	130	5	1	9	8	1	0	0	13	0	0	0	0	0	0	
180	RAIL VIKAS NIGAM LTD.	413	25	2	19	0	0	0	0	4	0	0	0	29	0	0	0	0	0	0	
181	RAILTEL CORPORATION INDIA LTD.	521	52	16	115	5	0	0	0	9	2	0	3	0	0	0	0	0	0	0	
182	RAILTEL ENTERPRISES LTD.	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
183	RAILWAY ENERGY MANAGEMENT COMPANY LTD.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
184	RISES INFRASTRUCTURE SERVICES LTD.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
185	RISES LTD.	1591	186	50	224	253	27	10	37	218	30	4	22	218	43	7	19				
186	SIDCUL CONCOR INFRA COMPANY LTD.	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SUB TOTAL :		4272	472	108	623	3009	411	116	594	6026	804	255	1791	1047	233	94	575				
MINISTRY OF ROAD TRANSPORT AND HIGHWAYS																					
187	NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPN. LTD.	67	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SUB TOTAL :		67	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MINISTRY OF SCIENCE & TECHNOLOGY																					
DEPT. OF BIOTECHNOLOGY																					

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188	BHARAT IMMUNOLOGICALS & BIOLOGICALS CORP. LTD.	41	6	2	3	12	3	0	0	11	4	2	0	48	10	0	0	6			
189	BIOTECHNOLOGY INDUSTRY RESEARCH ASSISTANCE COUNCIL	33	1	0	3	0	0	0	8	0	0	0	0	0	0	0	0	0			
190	INDIAN VACCINE CORP. LTD.	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0			
	SUB TOTAL :	75	7	2	6	13	3	0	0	19	4	2	0	48	10	0	0	6			

MINISTRY OF SCIENCE & TECHNOLOGY

DEPT. OF SCIENTIFIC & INDUSTRIAL RESEARCH

191	CENTRAL ELECTRONICS LTD.	197	18	0	6	0	0	0	285	95	1	50	6	0	0	0	0			
192	NATIONAL RESEARCH DEVELOPMENT CORPN.	38	7	1	2	13	4	0	12	5	0	0	12	7	0	0	0			
	SUB TOTAL :	235	25	1	8	13	4	0	297	100	1	50	18	7	0	0	0			

MINISTRY OF SHIPPING

193	CENTRAL INLAND WATER TRANSPORT CORPN. LTD.	3	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0			
194	COCHIN SHIPYARD LTD.	283	42	14	62	185	34	12	1203	148	15	444	0	0	0	0	0			
195	DREDGING CORPN. OF INDIA LTD.	307	52	21	69	9	2	0	142	24	8	38	65	9	1	3	0			
196	HOOGLY DOCK AND PORT ENGINEERS LTD.	1	0	0	0	3	1	0	20	1	1	0	21	3	0	0	0			
197	KAMARAJAR PORT LTD.	61	10	3	29	0	0	0	40	11	1	23	0	0	0	0	0			
198	SHIPPING CORPORATION OF INDIA LTD.	686	137	54	87	110	35	5	3	0	0	0	0	0	0	0	0			
	SUB TOTAL :	1341	241	92	247	309	72	17	1405	184	25	505	86	12	1	3	0			

MINISTRY OF SOCIAL JUSTICE & EMPOWERMENT

DEPARTMENT OF EMPOWERMENT OF PERSONS WITH DISABILITY

199	ARTIFICIAL LIMBS MFG. CORPN. OF INDIA	105	11	0	22	0	0	0	185	39	2	43	11	2	0	0	0			
200	NATIONAL BACKWARD CLASSES FINANCE & DEVP. CO.	10	1	0	2	7	2	0	30	6	0	9	0	0	0	0	0			
201	NATIONAL HANDICAPPED FINANCE & DEVPT. CORPN.	13	2	0	4	1	0	0	14	2	1	2	5	1	0	1	0			
202	NATIONAL SAFAI KARAMCHARIS FINANCE & DEVPT. CORPN	8	3	0	1	2	1	0	7	0	0	0	3	0	0	0	0			
203	NATIONAL SCHEDULED CASTES FINANCE & DEVP. CORPN.	36	10	1	4	7	1	1	22	11	2	5	13	9	0	2	0			
	SUB TOTAL :	172	27	1	33	17	4	1	258	58	5	59	32	12	0	3	0			

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MINISTRY OF STEEL																					
204	EASTERN INVESTMENT LTD.	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
205	FERRO SCRAP NIGAM LTD.	143	13	3	22	0	0	0	744	159	98	100	3	3	0	0	0	0	0	0	0
206	HINDUSTAN STEELWORKS COSTN. LTD.	34	2	0	5	7	2	0	16	3	2	1	2	0	0	0	0	0	0	0	1
207	J & K MINERAL DEVELOPMENT CORPN. LTD.	2	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0
208	KIOCL LTD.	265	44	13	15	48	3	2	588	89	30	68	37	7	6	4	0	0	0	0	0
209	M S T C LTD.	187	26	13	43	137	30	6	19	0	0	0	0	0	0	0	0	0	0	0	0
210	MECON LTD.	1293	240	83	157	173	29	68	24	0	0	0	0	0	0	0	0	0	0	0	0
211	MOIL LTD.	326	61	14	75	133	23	6	40	318	196	432	4467	866	1391	1556	0	0	0	0	0
212	NMDC Ltd.	1518	251	101	262	206	35	21	40	649	933	646	366	55	166	37	0	0	0	0	0
213	ORISSA MINERAL DEVELOPMENT COMPANY LTD.	88	6	2	20	41	6	10	9	14	21	10	212	38	158	68	0	0	0	0	0
214	RASHTRIYA ISPAT NIGAM LTD.	5515	995	412	839	6705	1112	376	274	535	381	921	2026	325	135	202	0	0	0	0	0
215	SAIL REFRACTORY COMPANY LTD.	23	4	0	11	0	0	0	0	46	0	130	3	0	5	3	0	0	0	0	0
216	STEEL AUTHORITY OF INDIA LTD.	13968	2166	922	1792	0	0	0	0	12561	11839	9068	0	0	0	0	0	0	0	0	0
217	THE BISRA STONE LIME COMPANY LTD.	31	2	1	1	58	9	10	9	39	77	10	536	150	292	37	0	0	0	0	0
SUB TOTAL :		23395	3810	1564	3242	7508	1249	499	418	14413	13577	11386	7654	1444	2153	1908					
MINISTRY OF TEXTILES																					
218	BIRDS JUTE & EXPORTS LTD.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
219	BRITISH INDIA CORPORATION LTD.	85	0	0	0	44	0	0	0	1200	0	0	16	0	0	0	0	0	0	0	0
220	CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.	158	24	1	9	16	0	0	0	2	0	3	98	36	0	6	0	0	0	0	0
221	COTTON CORPN. OF INDIA LTD.	98	8	3	6	827	158	31	171	0	0	0	0	0	0	0	0	0	0	0	0
222	HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	23	3	2	5	38	5	4	8	5	0	9	19	7	2	4	0	0	0	0	0
223	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	90	11	5	8	36	3	0	4	5	3	19	26	5	0	3	0	0	0	0	0
224	NATIONAL JUTE MANUFACTURES CORPORATION LTD.	2	0	0	0	67	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Sl.No.	Ministry / Deptt. / CPSE	Group A Managerial/Executives Level					Group B Supervisory Level					Group C Workers (Skilled)					Group D Workers (Un-Skilled)				
		Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs
225	NATIONAL TEXTILE CORPN. LTD.	429	81	3	91	283	79	1	93	6128	1124	63	2479	763	111	7	166				
226	THE JUTE CORPN. OF INDIA LTD.	3	0	0	0	103	12	11	6	420	22	3	6	183	17	1	5				
	SUB TOTAL :	888	127	14	119	1414	257	47	282	7858	1158	69	2516	1105	176	10	184				

MINISTRY OF TOURISM

227	ASSAM ASHOK HOTEL CORPN. LTD.	5	1	1	0	7	0	0	0	44	4	7	2	7	1	0	0				
228	DONYI POLO ASHOK HOTEL LTD.	2	0	0	0	3	0	0	0	21	2	6	1	0	0	0	0				
229	INDIA TOURISM DEV. CORPN. LTD.	255	39	5	25	65	15	2	9	893	272	19	31	190	90	4	10				
230	KUMARAKRUPPA FRONTIER HOTELS LTD.	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0				
231	MADHYA PRADESH ASHOK HOTEL CORPN. LTD.	3	0	0	0	8	0	0	0	47	9	2	4	0	0	0	0				
232	PONDICHERRY ASHOK HOTEL CORPN. LTD.	3	0	0	2	7	2	1	4	9	2	0	8	0	0	0	0				
233	RANCHI ASHOK BIHAR HOTEL CORPN. LTD.	2	1	0	1	2	0	0	0	21	2	2	6	13	4	3	5				
234	UTKAL ASHOK HOTEL CORPN. LTD.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	SUB TOTAL :	272	41	6	28	93	17	3	13	1035	291	36	52	210	95	7	15				

MINISTRY OF TRIBAL AFFAIRS

235	NATIONAL SCHEDULED TRIBES FINANCE & DEVP. CORPN.	26	4	7	2	6	0	1	1	22	9	1	5	0	0	0	0				
	SUB TOTAL :	26	4	7	2	6	0	1	1	22	9	1	5	0	0	0	0				

MINISTRY OF URBAN DEVELOPMENT

236	NBCC (INDIA) LTD.	437	78	10	30	521	14	28	86	1039	0	0	60	0	170	4	0				
237	NBCC SERVICES LTD.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	SUB TOTAL :	437	78	10	30	521	14	28	86	1039	0	0	60	0	170	4	0				

MINISTRY OF WATER RESOURCES, RIVER DEVELOPMENT & GANGA REJUVENATION

238	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	292	68	6	15	166	27	3	5	409	23	3	0	105	7	3	0				
239	WAPCOS LTD.	598	72	10	85	58	11	2	8	93	20	4	21	61	23	4	10				
	SUB TOTAL :	890	140	16	100	224	38	5	13	502	43	7	21	166	30	7	10				

DEPT. OF ATOMIC ENERGY

240	ELECTRONICS CORPN. OF INDIA LTD.	1713	270	121	274	0	0	0	0	554	80	62	32	250	64	7	21				
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Sl.No.	Ministry / Deptt. / CPSE	Group A Managerial/Executives Level				Group B Supervisory Level				Group C Workers (Skilled)				Group D Workers (Un-Skilled)			
		Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs	Total No. of Emp.	SCs	STs	OBCs
241	INDIAN RARE EARTHS LTD.	488	61	13	107	56	9	0	18	824	138	25	309	422	126	10	121
242	NUCLEAR POWER CORPN. OF INDIA LTD.	4220	345	73	554	1795	287	111	511	5377	1040	523	1335	0	0	0	0
243	URANIUM CORPORATION OF INDIA LTD.	288	32	21	44	286	30	40	47	1359	142	365	203	2774	276	1566	191
SUB TOTAL :		6709	708	228	979	2137	326	151	576	8114	1400	975	1879	3446	466	1583	333
DEPT. OF SPACE																	
244	ANTRIX CORPORATION LTD.	17	0	1	1	5	0	0	1	1	0	0	0	52	24	3	12
SUB TOTAL :		17	0	1	1	5	0	0	1	1	0	0	0	52	24	3	12
GRAND TOTAL :		258659	39177	14617	37905	121596	13383	6195	13742	613911	119196	60705	107840	237995	42376	23371	45898

STATEMENT - 25

EQUITY PARTICIPATION BY UNDER CONSTRUCTION CPSEs AS ON 31.3.2016

(₹ in Lakhs)

Sl.No.	CPSE	Authorised Capital	Paid up Capital				Total
			Central Govt.	State Govt.	Holding Company	Others	
1.	ANUSHAKTI VIDHYUT NIGAM LTD.	500	0	0	6	4	10
2.	BAIRA SIUL SARNA TRANSMISSION LTD.	5	0	0	5	0	5
3.	BALLABGARH - GN TRANSMISSION CO. LTD.	5	0	0	5	0	5
4.	BEL-THALES SYSTEMS LTD.	8000	0	0	1658	582	2240
5.	BHARAT PETRO RESOURCES JPDA	6000	0	0	6000	0	6000
6.	BHARATIYA NABHIKIYA VIDYUT NIGAM LTD.	500000	435712	0	0	22708	458420
7.	BHARTIYA RAIL BIJLEE CO. LTD.	160600	0	0	117261	41200	158461
8.	BIHAR INFRAPOWER LTD.	5	0	0	5	0	5
9.	BIHAR MEGA POWER LTD.	5	0	0	5	0	5
10.	BPCL-KIAL FUEL PVT. LTD.	1800	0	0	440	160	600
11.	BUNDELKHAND SAUR URJA LTD.	1000	0	0	100	0	100
12.	CHEYUR INFRA LTD.	5	0	0	5	0	5
13.	CHHATTISGARH EAST RAILWAYS LTD.	50000	0	0	13906	0	13906
14.	CHHATTISGARH MEGA STEEL CO. LTD.	5	0	0	5	0	5
15.	CHHATTISGARH SURGUJA POWER LTD.	5	0	0	5	0	5
16.	COASTAL KARNATAKA POWER LTD.	5	0	0	5	0	5
17.	COASTAL MAHARASHTRA MEGA POWER LTD.	5	0	0	5	0	5
18.	COASTAL TAMIL NADU POWER LTD.	5	0	0	5	0	5
19.	DEDICATED FRIGHT CORRIDOR CORP. OF INDIA LTD.	800000	480267	0	0	0	480267
20.	DEOGHAR INFRA LTD.	5	0	0	5	0	5
21.	DEOGHAR MEGA POWER LTD.	5	0	0	5	0	5
22.	DINGCHANG TRANSMISSION LTD.	5	0	0	5	0	5
23.	GHOARPALLI INTEGRATED POWER COMPANY LTD.	5	0	0	5	0	5
24.	HIGH SPEED RAIL CORPORATION OF INDIA LTD.	500	0	0	11	0	11
25.	HPCL RAJASTHAN REFINERY LTD.	400000	0	1	4	0	5
26.	INDIAN CATALYST PVT. LTD.	10000	0	0	1593	0	1593
27.	IRCON PB TOLLWAY LTD.	17500	0	0	9000	0	9000
28.	IRCON SHIVPURI GUNA TOLLWAY LTD.	15000	0	0	3300	0	3300
29.	JAGDISHPUR PAPER MILLS LTD.	500	0	0	5	0	5
30.	JHARKHAND INFRAPOWER LTD.	5	0	0	5	0	5
31.	JHARKHAND KOLHAN STEEL LTD.	1	0	0	1	0	1
32.	JHARKHAND NATIONAL MINERAL DEVPT. CORPORATION LTD.	100	0	0	1	0	1
33.	KARNATAKA VIJAY NAGAR STEEL LTD.	1	0	0	1	0	1
34.	KHARGONE TRANSMISSION LTD.	5	0	0	5	0	5
35.	KOHIMA-MARIANI TRANSMISSION LTD.	1	0	0	1	0	1
36.	KOLKATA METRO RAIL CORPORATION LTD.	140000	88550	0	0	0	88550
37.	LOKTAK DOWNSTREAM HYDROELECTRIC CORPORATION LTD.	23000	0	3060	8709	0	11769
38.	MAHANADI BASIN POWER LTD.	5	0	0	5	0	5
39.	MEDINIPUR-JEERAT TRANSMISSION LTD.	1	0	0	1	0	1
40.	MJSJ COAL LTD.	20000	0	0	9510	0	9510
41.	MNH SHAKTI LTD.	10000	0	0	5957	2553	8510
42.	MOHINDER GARH-BHIWANI TRANSMISSION LTD.	5	0	0	5	0	5
43.	NBCC ENGINEERING AND CONSULTANCY LTD.	200	0	0	100	0	100
44.	NELLORE TRANSMISSION LTD.	5	0	0	5	0	5

Sl.No.	CPSE	Authorised Capital	Paid up Capital				
			Central Govt.	State Govt.	Holding Company	Others	Total
45.	NER-II TRANSMISSION LTD.	5	0	0	5	0	5
46.	NEYVELI UTTAR PRADESH POWER LTD	500000	0	0	18992	18248	37240
47.	NMDC POWER LTD.	100	0	0	55	0	55
48.	NMDC STEEL LTD.	1	0	0	1	0	1
49.	NMDC-CMDC LTD.	20000	0	3443	3583	0	7026
50.	NORTH KARANPURA TRANSCO LTD.	5	0	0	5	0	5
51.	NPCIL - INDIAN OIL NUCLEAR ENERGY CORPORATION LTD.	1000	0	0	74	26	100
52.	NPCIL - NALCO POWER COMPANY LTD.	100	0	0	7	3	10
53.	NRSS XXXVI TRANSMISSION LTD.	5	0	0	5	0	5
54.	ODISHA INFRAPOWER LTD.	5	0	0	5	0	5
55.	OIL INDIA INTERNATIONAL LTD.	50000	0	0	10000	0	10000
56.	ORISSA INTEGRATED POWER LTD.	5	0	0	5	0	5
57.	PATRATU VIDYUT UTPADAN NIGAM LTD.	50000	0	3	7	0	10
58.	POWER GRID JABALPUR TRANSMISSION LTD.	2000	0	0	5	0	5
59.	POWER GRID PARLI TRANSMISSION LTD.	2000	0	0	5	0	5
60.	POWER GRID SOUTHERN INTERCONNECTOR TRANSMISSION SYSTEM LTD.	100	0	0	5	0	5
61.	POWER GRID WARORA TRANSMISSION LTD.	2000	0	0	5	0	5
62.	POWERGRID KALA AMB TRANSMISSION LTD.	500	0	0	5	0	5
63.	POWERGRID NM TRANSMISSION LTD.	6500	0	0	2400	0	2400
64.	POWERGRID UNCHAHAR TRANSMISSION LTD.	500	0	0	5	0	5
65.	POWERGRID VIZAG TRANSMISSION LTD.	9000	0	0	5473	0	5473
66.	PUNJAB ASHOK HOTEL COMPANY LTD.	300	0	0	128	122	250
67.	PUNJAB LOGISTIC INFRASTRUCTURE LTD.	15000	0	0	13940	0	13940
68.	SAKHIGOPAL INTEGRATED POWER COMPANY LTD.	5	0	0	5	0	5
69.	SETHUSAMUDRAM CORPN. LTD.	100000	74500	0	0	0	74500
70.	SJVN THERMAL PVT. LTD.	300000	0	0	43668	0	43668
71.	SOUTH -CENTRAL EAST DELHI POWER TRANSMISSION LTD.	5	0	0	5	0	5
72.	TANDA TRANSMISSION COMPANY LTD.	5	0	0	5	0	5
73.	TATIYA ANDHRA MEGA POWER LTD.	5	0	0	5	0	5
74.	TCIL LAKHNADONE TOLL ROAD LTD.	2500	2311	0	0	0	2311
75.	YULE ELECTRICAL LTD.	15000	0	0	5	0	5
76.	YULE ENGINEERING COMPANY LTD.	300	0	0	5	0	5
TOTAL		3241745	1081340	6507	276073	85606	1449526

Statement – 26
Procurement from Micro and Small Enterprises (MSEs) by CPSEs during 2015-16

(₹ in lakh)

Sl. No.	Name of CPSE	Total procurement during 2015-16	Total procurement from MSEs	Procurement from MSEs owned by SC / ST entrepreneurs
1	AGRINNOVATE INDIA LTD.	2	0	0
2	AIR INDIA AIR TRANSPORT SERVICES LTD.	100	0	0
3	ANTRIX CORPORATION LTD.	105	69	66
4	ARTIFICIAL LIMBS MFG. CORPN. OF INDIA	5856	3364	0
5	ASSAM ASHOK HOTEL CORPN. LTD.	113	0	0
6	BALMER LAWRIE & CO. LTD.	8236	4206	0
7	BEML LTD.	152445	18858	12
8	BENGAL CHEMICALS & PHARMACEUTICALS LTD.	5670	15	0
9	BHARAT COKING COAL LTD.	59685	2628	0
10	BHARAT DYNAMICS LTD.	1503000	4530	0
11	BHARAT ELECTRONICS LTD.	459186	91837	1332
12	BHARAT HEAVY ELECTRICALS LTD.	1562300	20	0
13	BHARAT PETROLEUM CORPN. LTD.	543409	125330	24
14	BHARAT PUMPS & COMPRESSORS LTD.	2567	520	0
15	BHARAT WAGON & ENGG. CO. LTD.	228	0	0
16	BHARATIYA NABHIKIYA VIDYUT NIGAM LTD.	2371	531	0
17	BHEL ELECTRICAL MACHINES LTD.	2853	704	141
18	BRAHAMPUTRA CRACKERS & POLYMER LTD.	20413	6	0
19	BRAHMAPUTRA VALLEY FERTILIZER CORPN. LTD.	4113	428	0
20	BRAITHWAITE & CO. LTD.	17543	33	0
21	BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LTD.	681	14	0
22	BRIDGE & ROOF CO.(INDIA) LTD.	69616	9127	0
23	BURN STANDARD COMPANY LTD.	6913	1668	56
24	CEMENT CORPN. OF INDIA LTD.	1158	0	0
25	CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.	4559	54	0
26	CENTRAL WAREHOUSING CORPN.	1482	123	0
27	COAL INDIA LTD.	24229	0	0
28	COCHIN SHIPYARD LTD.	17445	15	0
29	COTTON CORPN. OF INDIA LTD.	7137	1442	0
30	DONYI POLO ASHOK HOTEL LTD.	65	0	0
31	DREDGING CORPN. OF INDIA LTD.	9532	51	0
32	E. C. G. C. LTD.	20	1	0
33	EdCIL(India) Ltd.	51	21	0

34	ELECTRONICS CORPN. OF INDIA LTD.	90421	2853	100
35	ENGINEERING PROJECTS (INDIA) LTD.	71523	5308	25
36	ENGINEERS INDIA LTD.	15419	4714	0
37	FERRO SCRAP NIGAM LTD.	5728	399	0
38	FRESH & HEALTHY ENTERPRISES LTD.	266	9	0
39	GAIL (INDIA) LTD.	279374	15	0
40	GAIL GAS LTD.	21758	8542	0
41	GOA SHIPYARD LTD.	481	42	0
42	HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	2832	34	0
43	HEAVY ENGINEERING CORPN. LTD.	9778	3247	0
44	HINDUSTAN AERONAUTICS LTD.	176948	60319	283
45	HINDUSTAN COPPER LTD.	20459	2198	0
46	HINDUSTAN FLUOROCARBONS LIMITED	1681	340	0
47	HINDUSTAN NEWSPRINT LTD.	11793	335	0
48	HINDUSTAN PETROLEUM CORPN. LTD.	649321	164660	869
49	HINDUSTAN SALTS LTD.	147	61	0
50	HINDUSTAN SHIPYARD LTD.	19564	200	0
51	HLL LIFECARE LTD.	26117	7401	0
52	HMT MACHINE TOOLS LTD.	47479	1425	997
53	HOOGHLY DOCK AND PORT ENGINEERS LTD.	225	0	0
54	HOOGHLY PRINTING COMPANY LTD.	800	0	0
55	HSCC (INDIA) LTD.	72	0	0
56	I T I LTD.	4532	29	0
57	INDIA TRADE PROMOTION ORGANISATION	4923228	47	0
58	INDIAN MEDICINES & PHARMACEUTICAL CORPN. LTD.	2113	378	0
59	INDIAN OIL CORPORATION LTD.	732811	333462	0
60	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	12730	1833	0
61	INDIAN RARE EARTHS LTD.	12727	19	0
62	INDIAN RENEWABLE ENERGY DEVT.AGENCY LTD.	815	0	0
63	IRCON INTERNATIONAL LTD.	36752	0	0
64	KAMARAJAR PORT LTD.	1205	381	0
65	KANTI BIJLEE UTPADAN NIGAM LTD.	2668	177	0
66	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	16691	1799	0
67	KIOCL LTD.	447	104	0
68	KONKAN RAILWAY CORPORATION LTD.	7485	2329	97
69	LOKTAK DOWNSTREAM HYDROELECTRIC CORPORATION LTD.	5	0	0
70	M M T C LTD.	363	122	0
71	M S T C LTD.	231	16	8
72	MADRAS FERTILIZERS LTD.	100092	500	0

73	MAHANADI COALFIELDLS LTD.	54275	0	0
74	MANGALORE REFINERY & PETROCHEMICALS LTD.	49556	1024	0
75	MECON LTD.	7271	1427	0
76	MINERAL EXPLORATION CORPN. LTD.	2305	397	0
77	MISHRA DHATU NIGAM LTD.	28453	2578	0
78	MOIL LTD.	9538	1707	0
79	NATIONAL ALUMINIUM COMPANY LTD.	157600	32233	0
80	NATIONAL FERTILIZERS LTD.	20176	4020	93
81	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	249577	152403	0
82	NATIONAL JUTE MANUFACTURES CORPORATION LTD.	2782	0	0
83	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	64	0	0
84	NATIONAL SCHEDULED CASTES FINANCE & DEVP. CORPN.	35	7	3
85	NATIONAL SEEDS CORPN. LTD.	2800	71	0
86	NATIONAL SMALL INDUSTRIES CORPN. LTD.	3376	1472	26
87	NATIONAL TEXTILE CORPN. LTD.	5626	29	11
88	NBCC (INDIA) LTD.	28	13	0
89	NHDC LTD.	1069	469	0
90	NHPC LTD.	14195	2038	31
91	NLC INDIA LTD.	29902	7974	14
92	NMDC Ltd.	11385	2550	0
93	NORTH EASTERN HANDICRAFTS & HANDLOOM DEV.CORPN. LTD.	150	30	20
94	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	14125	513	31
95	NORTHERN COALFIELDS LTD.	241845	0	0
96	NTPC LTD.	446549	55951	0
97	NTPC VIDYUT VYAPAR NIGAM LTD.	6	0	0
98	NUCLEAR POWER CORPN. OF INDIA LTD.	121309	34997	0
99	NUMALIGARH REFINERY LTD.	42220	9132	2014
100	ONGC MANGALORE PETROCHEMICALS LTD.	75845	0	0
101	ONGC VIDESH LTD.	455	135	6
102	ORISSA MINERAL DEVELOPMENT COMPANY LTD.	71	6	0
103	PONDICHERRY ASHOK HOTEL CORPN. LTD.	62	0	0
104	POWER FINANCE CORPORATION LTD.	1563	262	17
105	POWER GRID CORPORATION OF INDIA LTD.	1889091	1	0
106	POWER SYSTEM OPERATION CORPORATION LTD.	1409	410	29
107	PROJECTS & DEVELOPMENT INDIA LTD.	1047	18	0
108	RAJASTHAN DRUGS & PHARMACEUTICALS LTD.	3575	0	0
109	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	13706	3614	0

110	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	30442	7285	28
111	RASHTRIYA ISPAT NIGAM LTD.	110633	23882	0
112	REC POWER DISTRIBUTION CO. LTD.	3242	830	0
113	rites LTD.	12682	62	0
114	RURAL ELECTRIFICATION CORPN. LTD.	16	0	0
115	SAMBHAR SALTS LTD.	175	42	0
116	SHIPPING CORPORATION OF INDIA LTD.	42550	7747	0
117	SJVN LTD.	2131	0	0
118	SOLAR ENERGY CORPORATION OF INDIA	58609	0	0
119	SOUTH EASTERN COALFIELDS LTD.	91177	16	0
120	STATE TRADING CORPN. OF INDIA LTD.	1775	12	0
121	STEEL AUTHORITY OF INDIA LTD.	321193	21	0
122	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	47543	14027	0
123	THDC INDIA LTD.	2098	305	0
124	THE BISRA STONE LIME COMPANY LTD.	126	49	0
125	THE JUTE CORPN. OF INDIA LTD.	1044	0	0
126	URANIUM CORPORATION OF INDIA LTD.	17031	3373	0
127	VIGNYAN INDUSTRIES LTD.	1543	196	0
128	WAPCOS LTD.	46752	0	0
129	WESTERN COALFIELDS LTD.	105480	36291	1
	Total :	16199447	1278512	6334

APPENDIX - I

CENTRAL PUBLIC SECTOR ENTERPRISES UNDER DIFFERENT MINISTRIES/DEPARTMENTS AS ON 31.3.2016

S. No.	Ministry / Deptt. / CPSE	Year of Incorporation
MINISTRY OF AGRICULTURE AND FARMERS WELFARE		
D/O AGRICULTURE COOPERATION AND FARMERS WELFARE		
1	NATIONAL SEEDS CORPN. LTD.	1963
MINISTRY OF AGRICULTURE AND FARMERS WELFARE		
D/O OF AGRICULTURE RESEARCH AND EDUCATION		
2	AGRINNOVATE INDIA LTD.	2011
MINISTRY OF AYUSH		
3	INDIAN MEDICINES & PHARMACEUTICAL CORPN. LTD.	1978
MINISTRY OF CHEMICALS & FERTILIZERS		
D/O CHEMICALS & PETROCHEMICALS		
4	BRAHMAPUTRA CRACKERS & POLYMER LTD.	2007
5	HINDUSTAN FLUOROCARBONS LIMITED	1983
6	HINDUSTAN INSECTICIDES LTD.	1954
7	HINDUSTAN ORGANIC CHEMICALS LTD.	1960
MINISTRY OF CHEMICALS & FERTILIZERS		
D/O FERTILIZER		
8	BRAHMAPUTRA VALLEY FERTILIZER CORPN. LTD.	2002
9	FCI ARAVALI GYPSUM & MINERALS (INDIA) LTD.	2003
10	FERTILIZER CORPN. OF INDIA LTD.	1961
11	FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.	1943
12	HINDUSTAN FERTILIZER CORPN. LTD.	1978
13	MADRAS FERTILIZERS LTD.	1966
14	NATIONAL FERTILIZERS LTD.	1974
15	PROJECTS & DEVELOPMENT INDIA LTD.	1978
16	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.	1978
MINISTRY OF CHEMICALS & FERTILIZERS		
D/O PHARMACEUTICALS		
17	BENGAL CHEMICALS & PHARMACEUTICALS LTD.	1901
18	HINDUSTAN ANTIBIOTICS LTD.	1954
19	IDPL (TAMILNADU) LTD.	1994
20	INDIAN DRUGS & PHARMACEUTICALS LTD.	1961
21	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.	1981
22	ORISSA DRUGS & CHEMICALS LTD.	1979
23	RAJASTHAN DRUGS & PHARMACEUTICALS LTD.	1978
MINISTRY OF CIVIL AVIATION		
24	AIR INDIA AIR TRANSPORT SERVICES LTD.	2003
25	AIR INDIA CHARTERS LTD.	1972
26	AIR INDIA ENGINEERING SERVICES LTD.	2006
27	AIR INDIA LTD.	2007
28	AIRLINE ALLIED SERVICES LTD.	1983
29	AIRPORTS AUTHORITY OF INDIA	1996
30	HOTEL CORPN. OF INDIA LTD.	1971
31	PAWAN HANS LTD.	1985
MINISTRY OF COAL		
32	BHARAT COKING COAL LTD.	1972
33	CENTRAL COALFIELDS LTD.	1975
34	CENTRAL MINE PLANNING & DESIGN INSTITUTE LTD.	1975
35	CHHATTISGARH EAST RAILWAYS LTD.	2013
36	COAL INDIA LTD.	1973
37	EASTERN COALFIELDS LTD.	1975
38	MAHANADI BASIN POWER LTD.	2012
39	MAHANADI COALFIELDLS LTD.	1992
40	MJSJ COAL LTD.	2009
41	MNH SHAKTI LTD.	2009
42	NEYVELI UTTAR PRADESH POWER LTD	2012

S. No.	Ministry / Deptt. / CPSE	Year of Incorporation
43	NLC INDIA LTD.	1956
44	NLC TAMIL NADU POWER LTD.	2005
45	NORTHERN COALFIELDS LTD.	1985
46	SOUTH EASTERN COALFIELDS LTD.	1985
47	WESTERN COALFIELDS LTD.	1975
MINISTRY OF COMMERCE & INDUSTRY		
D/O COMMERCE		
48	E. C. G. C. LTD.	1957
49	INDIA TRADE PROMOTION ORGANISATION	1976
50	KARNATAKA TRADE PROMOTION ORGANISATION	2000
51	M M T C LTD.	1958
52	P E C LTD.	1971
53	STATE TRADING CORPN. OF INDIA LTD.	1956
54	STCL LTD.	1982
55	TAMIL NADU TRADE PROMOTION ORGANISATION	2000
MINISTRY OF COMMUNICATIONS&INFORMATION TECHNOLOGY		
D/O ELECTRONICS AND INFORMATION TECHNOLOGY		
56	NATIONAL INFORMATICS CENTRE SERVICES INCORPORATED	1995
MINISTRY OF COMMUNICATIONS&INFORMATION TECHNOLOGY		
D/O TELECOMMUNICATIONS		
57	BHARAT BROADBAND NETWORK LTD.	2012
58	BHARAT SANCHAR NIGAM LTD.	2000
59	I T I LTD.	1950
60	MAHANAGAR TELEPHONE NIGAM LTD.	1986
61	MILLENNIUM TELECOM LTD.	2000
62	TCIL BINA TOLL ROAD LTD.	2012
63	TCIL LAKHNADONE TOLL ROAD LTD.	2013
64	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.	1978
MINISTRY OF COMSUMER AFFAIRS,FOOD & PUBLIC DISTRIBUTION		
D/O FOOD & PUBLIC DISTRIBUTION		
65	CENTRAL RAILSIDE WAREHOUSE CO. LTD.	2007
66	CENTRAL WAREHOUSING CORPN.	1957
67	FOOD CORPN. OF INDIA	1965
MINISTRY OF DEFENCE		
D/O DEFENCE PRODUCTION		
68	BEL OPTRONICS DEVICES LTD.	1990
69	BEL-THALES SYSTEMS LTD.	2014
70	BEML LTD.	1964
71	BHARAT DYNAMICS LTD.	1970
72	BHARAT ELECTRONICS LTD.	1954
73	GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.	1934
74	GOA SHIPYARD LTD.	1957
75	HINDUSTAN AERONAUTICS LTD.	1964
76	HINDUSTAN SHIPYARD LTD.	1952
77	MAZAGON DOCK SHIPBUILDERS LTD.	1934
78	MISHRA DHATU NIGAM LTD.	1973
79	VIGNYAN INDUSTRIES LTD.	1963
MINISTRY OF DEVELOPMENT OF NORTH EASTERN REGION		
80	NORTH EASTERN HANDICRAFTS & HANDLOOM DEV.CORPN. LTD.	1977
81	NORTH EASTERN REGIONAL AGRI. MARKETING CORP.LTD.	1982
MINISTRY OF ENVIRONMENT, FORESTS CLIMATE CHANGE		
82	ANDAMAN & NICOBAR ISL. FOREST & PLANT.DEV.CORP.LTD	1977
MINISTRY OF FINANCE		
D/O ECONOMIC AFFAIRS		
83	SECURITY PRINTING & MINTING CORPN. INDIA LTD.	2006
MINISTRY OF FINANCE		
D/O FINANCIAL SERVICES		
84	IIFCL ASSET MANAGEMENT COMPANY LTD.	2012
85	IIFCL PROJECTS LTD.	2012

S. No.	Ministry / Deptt. / CPSE	Year of Incorporation
86	INDIA INFRASTRUCTURE FINANCE CO. LTD.	2006
MINISTRY OF HEALTH & FAMILY WELFARE		
DEPARTMENT OF HEALTH AND FAMILY WELFARE		
87	GOA ANTIBIOTICS & PHARMACEUTICALS LTD.	1980
88	HLL BIOTECH LTD.	2012
89	HLL INFRA TECH SERVICES LTD.	2014
90	HLL LIFECARE LTD.	1966
91	HSCC (INDIA) LTD.	1983
MINISTRY OF HEAVY INDUSTRIES & PUBLIC ENTERPRISES		
D/O HEAVY INDUSTRIES		
92	ANDREW YULE & COMPANY LTD.	1919
93	BHARAT HEAVY ELECTRICALS LTD.	1964
94	BHARAT PUMPS & COMPRESSORS LTD.	1970
95	BHEL ELECTRICAL MACHINES LTD.	2011
96	BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LTD.	1984
97	BRIDGE & ROOF CO.(INDIA) LTD.	1972
98	CEMENT CORPN. OF INDIA LTD.	1965
99	ENGINEERING PROJECTS (INDIA) LTD.	1970
100	HEAVY ENGINEERING CORPN. LTD.	1958
101	HINDUSTAN CABLES LTD.	1952
102	HINDUSTAN NEWSPRINT LTD.	1983
103	HINDUSTAN PAPER CORPORATION LTD.	1970
104	HINDUSTAN PHOTO FILMS MANUFACTURING CO. LTD.	1960
105	HINDUSTAN SALTS LTD.	1958
106	HMT (INTERNATIONAL) LTD.	1975
107	HMT BEARINGS LTD.	1964
108	HMT CHINAR WATCHES LTD.	2000
109	HMT LTD.	1953
110	HMT MACHINE TOOLS LTD.	1999
111	HMT WATCHES LTD.	1999
112	HOOGHLY PRINTING COMPANY LTD.	1922
113	INSTRUMENTATION LTD.	1964
114	JAGDISHPUR PAPER MILLS LTD.	2008
115	NAGALAND PULP & PAPER COMPANY LTD.	1971
116	NEPA LTD.	1947
117	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.	1981
118	RICHARDSON & CRUDDAS(1972) LTD.	1973
119	SAMBHAR SALTS LTD.	1964
120	SCOOTERS INDIA LTD.	1972
121	TUNGABHADRA STEEL PRODUCTS LTD.	1960
122	YULE ELECTRICAL LTD.	2007
123	YULE ENGINEERING COMPANY LTD.	2007
MINISTRY OF HOME AFFAIRS		
124	DELHI POLICE HOUSING CORPORATION LTD.	2007
MINISTRY OF HOUSING & URBAN POVERTY ALLEVIATION		
125	HINDUSTAN PREFAB LTD.	1953
126	HOUSING & URBAN DEV. CORPN. LTD.	1970
MINISTRY OF HUMAN RESOURCE DEVELOPMENT		
D/O SECONDARY EDUCATION & HIGHER EDUCATION		
127	EdCIL(India) Ltd.	1981
MINISTRY OF INFORMATION & BROADCASTING		
128	BROADCAST ENGG. CONSULTANTS INDIA LTD.	1995
129	NATIONAL FILM DEV. CORPN. LTD.	1975
MINISTRY OF MICRO SMALL & MEDIUM ENTERPRISES		
130	NATIONAL SMALL INDUSTRIES CORPN. LTD.	1955
MINISTRY OF MINES		
131	HINDUSTAN COPPER LTD.	1967

S. No.	Ministry / Deptt. / CPSE	Year of Incorporation
132	MINERAL EXPLORATION CORPN. LTD.	1972
133	NATIONAL ALUMINIUM COMPANY LTD.	1981
MINISTRY OF MINORITIES AFFAIRS		
134	NATIONAL MINORITIES DEVP. & FINANCE CORPORATION	1994
MINISTRY OF NEW AND RENEWABLE ENERGY		
135	INDIAN RENEWABLE ENERGY DEVT.AGENCY LTD.	1987
136	SOLAR ENERGY CORPORATION OF INDIA	2011
MINISTRY OF PETROLEUM & NATURAL GAS		
137	BALMER LAWRIE & CO. LTD.	1924
138	BALMER LAWRIE INVESTMENTS LTD.	2001
139	BHARAT PETRO RESOURCES JPDA	2006
140	BHARAT PETRO RESOURCES LTD.	2006
141	BHARAT PETROLEUM CORPN. LTD.	1976
142	BPCL-KIAL FUEL PVT. LTD.	2015
143	CERTIFICATION ENGINEERS INTERNATIONAL LTD.	1994
144	CHENNAI PETROLEUM CORPORATION LTD.	1965
145	CREDA HPCL BIOFUEL LTD.	2008
146	ENGINEERS INDIA LTD.	1965
147	GAIL (INDIA) LTD.	1984
148	GAIL GAS LTD.	2008
149	HINDUSTAN PETROLEUM CORPN. LTD.	1952
150	HPCL BIOFUELS LTD.	2009
151	HPCL RAJASTHAN REFINERY LTD.	2012
152	INDIAN CATALYST PVT. LTD.	2006
153	INDIAN OIL CORPORATION LTD.	1964
154	INDIAN OIL-CREDA BIOFUELS LTD.	2009
155	MANGALORE REFINERY & PETROCHEMICALS LTD.	1988
156	NUMALIGARH REFINERY LTD.	1993
157	OIL & NATURAL GAS CORPORATION LTD.	1956
158	OIL INDIA INTERNATIONAL LTD.	2012
159	OIL INDIA LTD.	1981
160	ONGC MANGALORE PETROCHEMICALS LTD.	2015
161	ONGC VIDESH LTD.	1965
162	PETRONET CCK LTD.	2015
163	PRIZE PETROLEUM COMPANY LTD.	1999
MINISTRY OF POWER		
164	BAIRA SIUL SARNA TRANSMISSION LTD.	2013
165	BALLABGARH - GN TRANSMISSION CO. LTD.	2013
166	BHARTIYA RAIL BIJLEE CO. LTD.	2007
167	BIHAR INFRAPOWER LTD.	2015
168	BIHAR MEGA POWER LTD.	2015
169	BUNDELKHAND SAUR URJA LTD.	2014
170	CHEYYUR INFRA LTD.	2014
171	CHHATTISHGARH SURGUJA POWER LTD.	2006
172	COASTAL KARNATAKA POWER LTD.	2006
173	COASTAL MAHARASHTRA MEGA POWER LTD.	2006
174	COASTAL TAMIL NADU POWER LTD.	2007
175	DEOGHAR INFRA LTD.	2015
176	DEOGHAR MEGA POWER LTD.	2012
177	DINGCHANG TRANSMISSION LTD.	2015
178	GHOARPALLI INTEGRATED POWER COMPANY LTD.	2009
179	JHARKHAND INFRAPOWER LTD.	2015
180	KANTI BIJLEE UTPADAN NIGAM LTD.	2006
181	KHARGONE TRANSMISSION LTD.	2015
182	KOHIMA-MARIANI TRANSMISSION LTD.	2016
183	LOKTAK DOWNSTREAM HYDROELECTRIC CORPORATION LTD.	2009
184	MEDINIPUR-JEERAT TRANSMISSION LTD.	2016

S. No.	Ministry / Deptt. / CPSE	Year of Incorporation
185	MOHINDER GARH-BHIWANI TRANSMISSION LTD.	2014
186	NELLORE TRANSMISSION LTD.	2014
187	NER-II TRANSMISSION LTD.	2015
188	NHDC LTD.	2000
189	NHPC LTD.	1975
190	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.	1976
191	NORTH KARANPURA TRANSCO LTD.	2015
192	NRSS XXXVI TRANSMISSION LTD.	2015
193	NTPC ELECTRIC SUPPLY COMPANY LTD.	2002
194	NTPC LTD.	1975
195	NTPC VIDYUT VYAPAR NIGAM LTD.	2002
196	ODISHA INFRAPOWER LTD.	2014
197	ORISSA INTEGRATED POWER LTD.	2006
198	PATRATU VIDYUT UTPADAN NIGAM LTD.	2015
199	PFC CAPITAL ADVISORY SERVICE LTD.	2011
200	PFC CONSULTING LTD.	2008
201	PFC GREEN ENERGY LTD.	2011
202	POWER FINANCE CORPORATION LTD.	1986
203	POWER GRID CORPORATION OF INDIA LTD.	1989
204	POWER GRID JABALPUR TRANSMISSION LTD.	2014
205	POWER GRID PARLI TRANSMISSION LTD.	2014
206	POWER GRID SOUTHERN INTERCONNECTOR TRANSMISSION SYSTEM LTD.	2015
207	POWER GRID WARORA TRANSMISSION LTD.	2014
208	POWER SYSTEM OPERATION CORPORATION LTD.	2009
209	POWERGRID KALA AMB TRANSMISSION LTD.	2014
210	POWERGRID NM TRANSMISSION LTD.	2011
211	POWERGRID UNCHAHAR TRANSMISSION LTD.	2012
212	POWERGRID VIZAG TRANSMISSION LTD.	2011
213	REC POWER DISTRIBUTION CO. LTD.	2007
214	REC TRANSMISSION PROJECTS CO. LTD.	2006
215	RURAL ELECTRIFICATION CORPN. LTD.	1969
216	SAKHIGOPAL INTEGRATED POWER COMPANY LTD.	2009
217	SJVN LTD.	1988
218	SJVN THERMAL PVT. LTD.	1988
219	SOUTH -CENTRAL EAST DELHI POWER TRANSMISSION LTD.	2015
220	TANDA TRANSMISSION COMPANY LTD.	2013
221	TATIYA ANDHRA MEGA POWER LTD.	2010
222	THDC INDIA LTD.	1988
MINISTRY OF RAILWAYS		
223	BHARAT WAGON & ENGG. CO. LTD.	1978
224	BRAITHWAITE & CO. LTD.	1976
225	BURN STANDARD COMPANY LTD.	1976
226	CONCOR AIR LTD.	2012
227	CONTAINER CORPORATION OF INDIA LTD.	1988
228	DEDICATED FRIGHT CORRIDOR CORP. OF INDIA LTD.	2007
229	FRESH & HEALTHY ENTERPRISES LTD.	2006
230	HIGH SPEED RAIL CORPORATION OF INDIA LTD.	2012
231	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.	1999
232	INDIAN RAILWAY FINANCE CORPORATION LTD.	1986
233	INDIAN RAILWAY STATIONS DEVPT. CORPORATION LTD.	2012
234	IRCON INFRASTRUCTURE & SERVICES LTD.	2010
235	IRCON INTERNATIONAL LTD.	1976
236	IRCON PB TOLLWAY LTD.	2014
237	IRCON SHIVPURI GUNA TOLLWAY LTD.	2015
238	KOLKATA METRO RAIL CORPORATION LTD.	2010
239	KONKAN RAILWAY CORPORATION LTD.	1990
240	MUMBAI RAILWAY VIKAS CORPORATION LTD.	1999
241	PUNJAB LOGISTIC INFRASTRUCTURE LTD.	2014
242	RAIL VIKAS NIGAM LTD.	2003
243	RAILTEL CORPORATION INDIA LTD.	2000
244	RAILTEL ENTERPRISES LTD.	2014

S. No.	Ministry / Deptt. / CPSE	Year of Incorporation
245	RAILWAY ENERGY MANAGEMENT COMPANY LTD.	2013
246	RITES INFRASTRUCTURE SERVICES LTD.	2010
247	RITES LTD.	1974
248	SIDCUL CONCOR INFRA COMPANY LTD.	2013
MINISTRY OF ROAD TRANSPORT AND HIGHWAYS		
249	NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPN. LTD.	2015
MINISTRY OF SCIENCE & TECHNOLOGY		
DEPT. OF BIOTECHNOLOGY		
250	BHARAT IMMUNOLOGICALS & BIOLOGICALS CORP. LTD.	1989
251	BIOTECHNOLOGY INDUSTRY RESEARCH ASSISTANCE COUNCIL	2012
252	INDIAN VACCINE CORP. LTD.	1989
MINISTRY OF SCIENCE & TECHNOLOGY		
DEPT. OF SCIENTIFIC & INDUSTRIAL RESEARCH		
253	CENTRAL ELECTRONICS LTD.	1974
254	NATIONAL RESEARCH DEVELOPMENT CORPN.	1953
MINISTRY OF SHIPPING		
255	CENTRAL INLAND WATER TRANSPORT CORPN. LTD.	1967
256	COCHIN SHIPYARD LTD.	1972
257	DREDGING CORPN. OF INDIA LTD.	1977
258	HOOGLY DOCK AND PORT ENGINEERS LTD.	1984
259	KAMARAJAR PORT LTD.	1999
260	SETHUSAMUDRAM CORPN. LTD.	2004
261	SHIPPING CORPORATION OF INDIA LTD.	1961
MINISTRY OF SOCIAL JUSTICE & EMPOWERMENT		
DEPARTMENT OF EMPOWERMENT OF PERSONS WITH DISABILITY		
262	ARTIFICIAL LIMBS MFG. CORPN. OF INDIA	1972
263	NATIONAL BACKWARD CLASSES FINANCE & DEVP.CO.	1992
264	NATIONAL HANDICAPPED FINANCE & DEVPT. CORPN.	1997
265	NATIONAL SAFAI KARAMCHARIS FINANCE & DEVPT. CORPN	1997
266	NATIONAL SCHEDULED CASTES FINANCE & DEVP. CORPN.	1989
MINISTRY OF STEEL		
267	CHHATTISGARH MEGA STEEL CO. LTD.	2015
268	EASTERN INVESTMENT LTD.	1927
269	FERRO SCRAP NIGAM LTD.	1979
270	HINDUSTAN STEELWORKS COSTN. LTD.	1964
271	J & K MINERAL DEVELOPMENT CORPN. LTD.	1989
272	JHARKHAND KOLHAN STEEL LTD.	2015
273	JHARKHAND NATIONAL MINERAL DEVPT. CORPORATION LTD.	2012
274	KARNATAKA VIJAY NAGAR STEEL LTD.	2014
275	KIOCL LTD.	1976
276	M S T C LTD.	1964
277	MECON LTD.	1973
278	MOIL LTD.	1962
279	NMDC Ltd.	1958
280	NMDC POWER LTD.	2011
281	NMDC STEEL LTD.	2015
282	NMDC-CMDC LTD.	2008
283	ORISSA MINERAL DEVELOPMENT COMPANY LTD.	2010
284	RASHTRIYA ISPAT NIGAM LTD.	1982
285	SAIL REFRACTORY COMPANY LTD.	2011
286	STEEL AUTHORITY OF INDIA LTD.	1973
287	THE BISRA STONE LIME COMPANY LTD.	1910
MINISTRY OF TEXTILES		
288	BIRDS JUTE & EXPORTS LTD.	1904
289	BRITISH INDIA CORPORATION LTD.	1920
290	CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.	1976
291	COTTON CORPN. OF INDIA LTD.	1970

S. No.	Ministry / Deptt. / CPSE	Year of Incorporation
292	HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.	1962
293	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.	1983
294	NATIONAL JUTE MANUFACTURES CORPORATION LTD.	1980
295	NATIONAL TEXTILE CORPN. LTD.	1968
296	THE JUTE CORPN. OF INDIA LTD.	1971
MINISTRY OF TOURISM		
297	ASSAM ASHOK HOTEL CORPN. LTD.	1982
298	DONYI POLO ASHOK HOTEL LTD.	1987
299	INDIA TOURISM DEV. CORPN. LTD.	1966
300	KUMARAKRUPPA FRONTIER HOTELS LTD.	2001
301	MADHYA PRADESH ASHOK HOTEL CORPN. LTD.	1985
302	PONDICHERRY ASHOK HOTEL CORPN. LTD.	1986
303	PUNJAB ASHOK HOTEL COMPANY LTD.	1998
304	RANCHI ASHOK BIHAR HOTEL CORPN. LTD.	1983
305	UTKAL ASHOK HOTEL CORPN. LTD.	1983
MINISTRY OF TRIBAL AFFAIRS		
306	NATIONAL SCHEDULED TRIBES FINANCE & DEVP. CORPN.	2001
MINISTRY OF URBAN DEVELOPMENT		
307	NBCC (INDIA) LTD.	1960
308	NBCC ENGINEERING AND CONSULTANCY LTD.	2015
309	NBCC SERVICES LTD.	2014
MINISTRY OF WATER RESOURCES, RIVER DEVELOPMENT & GANGA REJUVENATION		
310	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.	1957
311	WAPCOS LTD.	1969
DEPT. OF ATOMIC ENERGY		
312	ANUSHAKTI VIDHYUT NIGAM LTD.	2011
313	BHARATIYA NABHIKIYA VIDYUT NIGAM LTD.	2003
314	ELECTRONICS CORPN. OF INDIA LTD.	1967
315	INDIAN RARE EARTHS LTD.	1950
316	NPCIL - INDIAN OIL NUCLEAR ENERGY CORPORATION LTD.	2012
317	NPCIL - NALCO POWER COMPANY LTD.	2012
318	NUCLEAR POWER CORPN. OF INDIA LTD.	1987
319	URANIUM CORPORATION OF INDIA LTD.	1967
DEPT. OF SPACE		
320	ANTRIX CORPORATION LTD.	1992

APPENDIX - II

CENTRAL PUBLIC SECTOR ENTERPRISES UNDER DIFFERENT SECTORS/COGNATE GROUPS AS ON 31.3.2016

S. No.	Sector / Cognate Group / CPSE
	AGRICULTURE
	AGRO BASED INDUSTRIES
1	ANDAMAN & NICOBAR ISL. FOREST & PLANT. DEV. CORP. LTD
2	CREDA HPCL BIOFUEL LTD.
3	HPCL BIOFUELS LTD.
4	INDIAN OIL-CREDA BIOFUELS LTD.
5	NATIONAL SEEDS CORPN. LTD.
	MINING
	COAL
6	BHARAT COKING COAL LTD.
7	CENTRAL COALFIELDS LTD.
8	COAL INDIA LTD.
9	EASTERN COALFIELDS LTD.
10	MAHANADI COALFIELDLS LTD.
11	NORTHERN COALFIELDS LTD.
12	SOUTH EASTERN COALFIELDS LTD.
13	WESTERN COALFIELDS LTD.
	MINING
	CRUDE OIL
14	BHARAT PETRO RESOURCES LTD.
15	OIL & NATURAL GAS CORPORATION LTD.
16	OIL INDIA LTD.
17	ONGC VIDESH LTD.
18	PRIZE PETROLEUM COMPANY LTD.
	MINING
	OTHER MINERALS & METALS
19	EASTERN INVESTMENT LTD.
20	FCI ARAVALI GYPSUM & MINERALS (INDIA) LTD.
21	HINDUSTAN COPPER LTD.
22	INDIAN RARE EARTHS LTD.
23	J & K MINERAL DEVELOPMENT CORPN. LTD.
24	KIOCL LTD.
25	MOIL LTD.
26	NATIONAL ALUMINIUM COMPANY LTD.
27	NMDC Ltd.
28	ORISSA MINERAL DEVELOPMENT COMPANY LTD.
29	THE BISRA STONE LIME COMPANY LTD.
30	URANIUM CORPORATION OF INDIA LTD.
	MANUFACTURING
	STEEL
31	FERRO SCRAP NIGAM LTD.
32	MISHRA DHATU NIGAM LTD.
33	RASHTRIYA ISPAT NIGAM LTD.
34	SAIL REFRACTORY COMPANY LTD.
35	STEEL AUTHORITY OF INDIA LTD.
	MANUFACTURING
	PETROLEUM (REFINERY & MARKETING)
36	BHARAT PETROLEUM CORPN. LTD.
37	CHENNAI PETROLEUM CORPORATION LTD.
38	GAIL (INDIA) LTD.
39	GAIL GAS LTD.
40	HINDUSTAN PETROLEUM CORPN. LTD.
41	INDIAN OIL CORPORATION LTD.
42	MANGALORE REFINERY & PETROCHEMICALS LTD.
43	NUMALIGARH REFINERY LTD.
	MANUFACTURING
	FERTILIZERS
44	BRAHMAPUTRA VALLEY FERTILIZER CORPN. LTD.
45	FERTILIZER CORPN. OF INDIA LTD.
46	FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.
47	HINDUSTAN FERTILIZER CORPN. LTD.
48	MADRAS FERTILIZERS LTD.

S. No.	Sector / Cognate Group / CPSE
49	NATIONAL FERTILIZERS LTD.
50	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.
	MANUFACTURING
	CHEMICALS & PHARMACEUTICALS
51	BENGAL CHEMICALS & PHARMACEUTICALS LTD.
52	BHARAT IMMUNOLOGICALS & BIOLOGICALS CORP. LTD.
53	BRAHAMPUTRA CRACKERS & POLYMER LTD.
54	GOA ANTIBIOTICS & PHARMACEUTICALS LTD.
55	HINDUSTAN ANTIBIOTICS LTD.
56	HINDUSTAN FLUOROCARBONS LIMITED
57	HINDUSTAN INSECTICIDES LTD.
58	HINDUSTAN ORGANIC CHEMICALS LTD.
59	HLL BIOTECH LTD.
60	IDPL (TAMILNADU) LTD.
61	INDIAN DRUGS & PHARMACEUTICALS LTD.
62	INDIAN MEDICINES & PHARMACEUTICAL CORPN. LTD.
63	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.
64	ONGC MANGALORE PETROCHEMICALS LTD.
65	ORISSA DRUGS & CHEMICALS LTD.
66	RAJASTHAN DRUGS & PHARMACEUTICALS LTD.
	MANUFACTURING
	HEAVY ENGINEERING
67	BHARAT HEAVY ELECTRICALS LTD.
68	BHARAT WAGON & ENGG. CO. LTD.
69	BHEL ELECTRICAL MACHINES LTD.
70	BRAITHWAITE & CO. LTD.
71	BURN STANDARD COMPANY LTD.
72	HEAVY ENGINEERING CORPN. LTD.
73	TUNGABHADRA STEEL PRODUCTS LTD.
	MANUFACTURING
	MEDIUM & LIGHT ENGINEERING
74	ANDREW YULE & COMPANY LTD.
75	BALMER LAWRIE & CO. LTD.
76	BEL OPTRONICS DEVICES LTD.
77	BHARAT DYNAMICS LTD.
78	BHARAT ELECTRONICS LTD.
79	BHARAT PUMPS & COMPRESSORS LTD.
80	CENTRAL ELECTRONICS LTD.
81	ELECTRONICS CORPN. OF INDIA LTD.
82	HINDUSTAN CABLES LTD.
83	HMT BEARINGS LTD.
84	HMT CHINAR WATCHES LTD.
85	HMT LTD.
86	HMT MACHINE TOOLS LTD.
87	HMT WATCHES LTD.
88	I T I LTD.
89	INSTRUMENTATION LTD.
90	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.
91	RICHARDSON & CRUDDAS(1972) LTD.
92	SCOOTERS INDIA LTD.
93	VIGNYAN INDUSTRIES LTD.
	MANUFACTURING
	TRANSPORTATION EQUIPMENT
94	BEML LTD.
95	COCHIN SHIPYARD LTD.
96	GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.
97	GOA SHIPYARD LTD.
98	HINDUSTAN AERONAUTICS LTD.
99	HINDUSTAN SHIPYARD LTD.
100	HOOGLY DOCK AND PORT ENGINEERS LTD.
101	MAZAGON DOCK SHIPBUILDERS LTD.
	MANUFACTURING
	CONSUMER GOODS
102	ARTIFICIAL LIMBS MFG. CORPN. OF INDIA
103	CEMENT CORPN. OF INDIA LTD.

S. No.	Sector / Cognate Group / CPSE
104	HINDUSTAN NEWSPRINT LTD.
105	HINDUSTAN PAPER CORPORATION LTD.
106	HINDUSTAN PHOTO FILMS MANUFACTURING CO. LTD.
107	HINDUSTAN SALTS LTD.
108	HLL LIFECARE LTD.
109	HOOGLHY PRINTING COMPANY LTD.
110	NAGALAND PULP & PAPER COMPANY LTD.
111	NEPA LTD.
112	SAMBHAR SALTS LTD.
113	SECURITY PRINTING & MINTING CORPN. INDIA LTD.
	MANUFACTURING
	TEXTILES
114	BIRDS JUTE & EXPORTS LTD.
115	BRITISH INDIA CORPORATION LTD.
116	NATIONAL JUTE MANUFACTURES CORPORATION LTD.
117	NATIONAL TEXTILE CORPN. LTD.
	ELECTRICITY
	POWER GENERATION
118	KANTI BIJLEE UTPADAN NIGAM LTD.
119	NHDC LTD.
120	NHPC LTD.
121	NLC INDIA LTD.
122	NLC TAMIL NADU POWER LTD.
123	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
124	NTPC LTD.
125	NUCLEAR POWER CORPN. OF INDIA LTD.
126	REC POWER DISTRIBUTION CO. LTD.
127	SJVN LTD.
128	THDC INDIA LTD.
	ELECTRICITY
	POWER TRANSMISSION
129	NTPC ELECTRIC SUPPLY COMPANY LTD.
130	POWER GRID CORPORATION OF INDIA LTD.
131	REC TRANSMISSION PROJECTS CO. LTD.
	SERVICES
	TRADING & MARKETING
132	ANTRIX CORPORATION LTD.
133	CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.
134	CENTRAL RAILSIDE WAREHOUSE CO. LTD.
135	CENTRAL WAREHOUSING CORPN.
136	COTTON CORPN. OF INDIA LTD.
137	FOOD CORPN. OF INDIA
138	HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.
139	HMT (INTERNATIONAL) LTD.
140	INDIA TRADE PROMOTION ORGANISATION
141	KARNATAKA TRADE PROMOTION ORGANISATION
142	M M T C LTD.
143	M S T C LTD.
144	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.
145	NORTH EASTERN HANDICRAFTS & HANDLOOM DEV.CORPN. LTD.
146	NORTH EASTERN REGIONAL AGRI. MARKETING CORP.LTD.
147	NTPC VIDYUT VYAPAR NIGAM LTD.
148	P E C LTD.
149	SIDCUL CONCOR INFRA COMPANY LTD.
150	STATE TRADING CORPN. OF INDIA LTD.
151	STCL LTD.
152	TAMIL NADU TRADE PROMOTION ORGANISATION
153	THE JUTE CORPN. OF INDIA LTD.
	SERVICES
	TRANSPORT SERVICES
154	AIR INDIA AIR TRANSPORT SERVICES LTD.
155	AIR INDIA CHARTERS LTD.
156	AIR INDIA ENGINEERING SERVICES LTD.
157	AIR INDIA LTD.
158	AIRLINE ALLIED SERVICES LTD.

S. No.	Sector / Cognate Group / CPSE
159	AIRPORTS AUTHORITY OF INDIA
160	CENTRAL INLAND WATER TRANSPORT CORPN. LTD.
161	CONCOR AIR LTD.
162	CONTAINER CORPORATION OF INDIA LTD.
163	DREDGING CORPN. OF INDIA LTD.
164	FRESH & HEALTHY ENTERPRISES LTD.
165	KAMARAJAR PORT LTD.
166	PAWAN HANS LTD.
167	PETRONET CCK LTD.
168	SHIPPING CORPORATION OF INDIA LTD.
	SERVICES
	CONTRACT & CONSTRUCTION SERVICES
169	BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LTD.
170	BRIDGE & ROOF CO.(INDIA) LTD.
171	HINDUSTAN PREFAB LTD.
172	HINDUSTAN STEELWORKS COSTN. LTD.
173	INDIAN RAILWAY STATIONS DEVPT. CORPORATION LTD.
174	IRCON INFRASTRUCTURE & SERVICES LTD.
175	IRCON INTERNATIONAL LTD.
176	KONKAN RAILWAY CORPORATION LTD.
177	MINERAL EXPLORATION CORPN. LTD.
178	MUMBAI RAILWAY VIKAS CORPORATION LTD.
179	NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPN. LTD.
180	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.
181	NBCC (INDIA) LTD.
182	NBCC SERVICES LTD.
183	PROJECTS & DEVELOPMENT INDIA LTD.
184	RAIL VIKAS NIGAM LTD.
185	TCIL BINA TOLL ROAD LTD.
	SERVICES
	INDUSTRIAL DEVELOPMENT & TECH.CONSULTANCY SERVICES
186	AGRINNOVATE INDIA LTD.
187	BROADCAST ENGG. CONSULTANTS INDIA LTD.
188	CENTRAL MINE PLANNING & DESIGN INSTITUTE LTD.
189	CERTIFICATION ENGINEERS INTERNATIONAL LTD.
190	EdCIL(India) Ltd.
191	ENGINEERING PROJECTS (INDIA) LTD.
192	ENGINEERS INDIA LTD.
193	HLL INFRA TECH SERVICES LTD.
194	HSCC (INDIA) LTD.
195	IIFCL PROJECTS LTD.
196	MECON LTD.
197	NATIONAL INFORMATICS CENTRE SERVICES INCORPORATED
198	NATIONAL RESEARCH DEVELOPMENT CORPN.
199	NATIONAL SMALL INDUSTRIES CORPN. LTD.
200	PFC CAPITAL ADVISORY SERVICE LTD.
201	PFC CONSULTING LTD.
202	POWER SYSTEM OPERATION CORPORATION LTD.
203	RAILWAY ENERGY MANAGEMENT COMPANY LTD.
204	RITES INFRASTRUCTURE SERVICES LTD.
205	RITES LTD.
206	SOLAR ENERGY CORPORATION OF INDIA
207	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.
208	WAPCOS LTD.
	SERVICES
	TOURIST SERVICES
209	ASSAM ASHOK HOTEL CORPN. LTD.
210	DONYI POLO ASHOK HOTEL LTD.
211	HOTEL CORPN. OF INDIA LTD.
212	INDIA TOURISM DEV. CORPN. LTD.
213	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.
214	MADHYA PRADESH ASHOK HOTEL CORPN. LTD.
215	PONDICHERRY ASHOK HOTEL CORPN. LTD.
216	RANCHI ASHOK BIHAR HOTEL CORPN. LTD.
217	UTKAL ASHOK HOTEL CORPN. LTD.

S. No.	Sector / Cognate Group / CPSE
	SERVICES
	FINANCIAL SERVICES
218	BALMER LAWRIE INVESTMENTS LTD.
219	BIOTECHNOLOGY INDUSTRY RESEARCH ASSISTANCE COUNCIL
220	DELHI POLICE HOUSING CORPORATION LTD.
221	E. C. G. C. LTD.
222	HOUSING & URBAN DEV. CORPN. LTD.
223	IIFCL ASSET MANAGEMENT COMPANY LTD.
224	INDIA INFRASTRUCTURE FINANCE CO. LTD.
225	INDIAN RAILWAY FINANCE CORPORATION LTD.
226	INDIAN RENEWABLE ENERGY DEVT.AGENCY LTD.
227	INDIAN VACCINE CORP. LTD.
228	KUMARAKRUPPA FRONTIER HOTELS LTD.
229	NATIONAL BACKWARD CLASSES FINANCE & DEVP.CO.
230	NATIONAL FILM DEV. CORPN. LTD.
231	NATIONAL HANDICAPPED FINANCE & DEVPT. CORPN.
232	NATIONAL MINORITIES DEVP. & FINANCE CORPORATION
233	NATIONAL SAFAI KARAMCHARIS FINANCE & DEVPT. CORPN
234	NATIONAL SCHEDULED CASTES FINANCE & DEVP. CORPN.
235	NATIONAL SCHEDULED TRIBES FINANCE & DEVP. CORPN.
236	PFC GREEN ENERGY LTD.
237	POWER FINANCE CORPORATION LTD.
238	RURAL ELECTRIFICATION CORPN. LTD.
	SERVICES
	TELECOMMUNICATION SERVICES
239	BHARAT BROADBAND NETWORK LTD.
240	BHARAT SANCHAR NIGAM LTD.
241	MAHANAGAR TELEPHONE NIGAM LTD.
242	MILLENNIUM TELECOM LTD.
243	RAILTEL CORPORATION INDIA LTD.
244	RAILTEL ENTERPRISES LTD.
	UNDER CONSTRUCTION
	ENTERPRISES UNDER CONSTRUCTION
245	ANUSHAKTI VIDHYUT NIGAM LTD.
246	BAIRA SIUL SARNA TRANSMISSION LTD.
247	BALLABGARH - GN TRANSMISSION CO. LTD.
248	BEL-THALES SYSTEMS LTD.
249	BHARAT PETRO RESOURCES JPDA
250	BHARTIYA NABHIKIYA VIDYUT NIGAM LTD.
251	BHARTIYA RAIL BIJLEE CO. LTD.
252	BIHAR INFRAPOWER LTD.
253	BIHAR MEGA POWER LTD.
254	BPCL-KIAL FUEL PVT. LTD.
255	BUNDELKHAND SAUR URJA LTD.
256	CHEYYUR INFRA LTD.
257	CHHATTISGARH EAST RAILWAYS LTD.
258	CHHATTISGARH MEGA STEEL CO. LTD.
259	CHHATTISGARH SURGUJA POWER LTD.
260	COASTAL KARNATAKA POWER LTD.
261	COASTAL MAHARASHTRA MEGA POWER LTD.
262	COASTAL TAMIL NADU POWER LTD.
263	DEDICATED FRIGHT CORRIDOR CORP. OF INDIA LTD.
264	DEOGHAR INFRA LTD.
265	DEOGHAR MEGA POWER LTD.
266	DINGCHANG TRANSMISSION LTD.
267	GHOGARPALLI INTEGRATED POWER COMPANY LTD.
268	HIGH SPEED RAIL CORPORATION OF INDIA LTD.
269	HPCL RAJASTHAN REFINERY LTD.
270	INDIAN CATALYST PVT. LTD.
271	IRCON PB TOLLWAY LTD.
272	IRCON SHIVPURI GUNA TOLLWAY LTD.
273	JAGDISHPUR PAPER MILLS LTD.
274	JHARKHAND INFRAPOWER LTD.
275	JHARKHAND KOLHAN STEEL LTD.
276	JHARKHAND NATIONAL MINERAL DEVPT. CORPORATION LTD.

S. No.	Sector / Cognate Group / CPSE
277	KARNATAKA VIJAY NAGAR STEEL LTD.
278	KHARGONE TRANSMISSION LTD.
279	KOHIMA-MARIANI TRANSMISSION LTD.
280	KOLKATA METRO RAIL CORPORATION LTD.
281	LOKTAK DOWNSTREAM HYDROELECTRIC CORPORATION LTD.
282	MAHANADI BASIN POWER LTD.
283	MEDINIPUR-JEERAT TRANSMISSION LTD.
284	MJSJ COAL LTD.
285	MNH SHAKTI LTD.
286	MOHINDER GARH-BHIWANI TRANSMISSION LTD.
287	NBCC ENGINEERING AND CONSULTANCY LTD.
288	NELLORE TRANSMISSION LTD.
289	NER-II TRANSMISSION LTD.
290	NEYVELI UTTAR PRADESH POWER LTD
291	NMDC POWER LTD.
292	NMDC STEEL LTD.
293	NMDC-CMDC LTD.
294	NORTH KARANPURA TRANSCO LTD.
295	NPCIL - INDIAN OIL NUCLEAR ENERGY CORPORATION LTD.
296	NPCIL - NALCO POWER COMPANY LTD.
297	NRSS XXXVI TRANSMISSION LTD.
298	ODISHA INFRAPOWER LTD.
299	OIL INDIA INTERNATIONAL LTD.
300	ORISSA INTEGRATED POWER LTD.
301	PATRATU VIDYUT UTPADAN NIGAM LTD.
302	POWER GRID JABALPUR TRANSMISSION LTD.
303	POWER GRID PARLI TRANSMISSION LTD.
304	POWER GRID SOUTHERN INTERCONNECTOR TRANSMISSION SYSTEM LTD.
305	POWER GRID WARORA TRANSMISSION LTD.
306	POWERGRID KALA AMB TRANSMISSION LTD.
307	POWERGRID NM TRANSMISSION LTD.
308	POWERGRID UNCHAHAR TRANSMISSION LTD.
309	POWERGRID VIZAG TRANSMISSION LTD.
310	PUNJAB ASHOK HOTEL COMPANY LTD.
311	PUNJAB LOGISTIC INFRASTRUCTURE LTD.
312	SAKHIGOPAL INTEGRATED POWER COMPANY LTD.
313	SETHUSAMUDRAM CORPN. LTD.
314	SJVN THERMAL PVT. LTD.
315	SOUTH -CENTRAL EAST DELHI POWER TRANSMISSION LTD.
316	TANDA TRANSMISSION COMPANY LTD.
317	TATIYA ANDHRA MEGA POWER LTD.
318	TCIL LAKHNADONE TOLL ROAD LTD.
319	YULE ELECTRICAL LTD.
320	YULE ENGINEERING COMPANY LTD.

APPENDIX - III

CENTRAL PUBLIC SECTOR ENTERPRISES UNDER DIFFERENT STATE/UNION TERRITORIES AS ON 31.3.2016

S. No.	State / CPSE
	ANDAMAN & NICOBAR ISLANDS
1	ANDAMAN & NICOBAR ISL. FOREST & PLANT.DEV.CORP.LTD
	ANDHRA PRADESH
2	RASHTRIYA ISPAT NIGAM LTD.
	ARUNACHAL PRADESH
3	DONYI POLO ASHOK HOTEL LTD.
	ASSAM
4	ASSAM ASHOK HOTEL CORPN. LTD.
5	BRAHAMPUTRA CRACKERS & POLYMER LTD.
6	BRAHAMPUTRA VALLEY FERTILIZER CORPN. LTD.
7	NORTH EASTERN REGIONAL AGRI. MARKETING CORP.LTD.
8	NUMALIGARH REFINERY LTD.
9	OIL INDIA INTERNATIONAL LTD.
10	OIL INDIA LTD.
	BIHAR
11	BHARAT WAGON & ENGG. CO. LTD.
12	HPCL BIOFUELS LTD.
	CHANDIGARH
13	PUNJAB ASHOK HOTEL COMPANY LTD.
14	PUNJAB LOGISTIC INFRASTRUCTURE LTD.
	CHHATTISGARH
15	CHHATTISGARH EAST RAILWAYS LTD.
16	CHHATTISGARH MEGA STEEL CO. LTD.
17	CREDA HPCL BIOFUEL LTD.
18	FERRO SCRAP NIGAM LTD.
19	INDIAN OIL-CREDA BIOFUELS LTD.
20	JHARKHAND KOLHAN STEEL LTD.
21	NMDC STEEL LTD.
22	NMDC-CMDC LTD.
23	SOUTH EASTERN COALFIELDS LTD.
	DELHI
24	AGRINNOVATE INDIA LTD.
25	AIR INDIA AIR TRANSPORT SERVICES LTD.
26	AIR INDIA ENGINEERING SERVICES LTD.
27	AIR INDIA LTD.
28	AIRLINE ALLIED SERVICES LTD.
29	AIRPORTS AUTHORITY OF INDIA
30	BAIRA SIUL SARNA TRANSMISSION LTD.
31	BALLABGARH - GN TRANSMISSION CO. LTD.
32	BHARAT BROADBAND NETWORK LTD.
33	BHARAT HEAVY ELECTRICALS LTD.
34	BHARAT SANCHAR NIGAM LTD.
35	BHARTIYA RAIL BIJLEE CO. LTD.
36	BIHAR INFRAPOWER LTD.
37	BIHAR MEGA POWER LTD.
38	BIOTECHNOLOGY INDUSTRY RESEARCH ASSISTANCE COUNCIL
39	CEMENT CORPN. OF INDIA LTD.
40	CENTRAL COTTAGE INDUSTRIES CORPN. OF INDIA LTD.
41	CENTRAL ELECTRONICS LTD.
42	CENTRAL RAILSIDE WAREHOUSE CO. LTD.
43	CENTRAL WAREHOUSING CORPN.
44	CERTIFICATION ENGINEERS INTERNATIONAL LTD.
45	CHEYUR INFRA LTD.
46	CHHATTISHGARH SURGUJA POWER LTD.
47	COASTAL KARNATAKA POWER LTD.
48	COASTAL MAHARASHTRA MEGA POWER LTD.
49	COASTAL TAMIL NADU POWER LTD.
50	CONCOR AIR LTD.
51	CONTAINER CORPORATION OF INDIA LTD.

S. No.	State / CPSE
52	DEDICATED FRIGHT CORRIDOR CORP. OF INDIA LTD.
53	DELHI POLICE HOUSING CORPORATION LTD.
54	DEOGHAR INFRA LTD.
55	DEOGHAR MEGA POWER LTD.
56	DINGCHANG TRANSMISSION LTD.
57	DREDGING CORPN. OF INDIA LTD.
58	EdCIL (India) Ltd.
59	ENGINEERS INDIA LTD.
60	FERTILIZER CORPN. OF INDIA LTD.
61	FOOD CORPN. OF INDIA
62	FRESH & HEALTHY ENTERPRISES LTD.
63	GAIL (INDIA) LTD.
64	GAIL GAS LTD.
65	GHOARPALLI INTEGRATED POWER COMPANY LTD.
66	HANDICRAFTS & HANDLOOM EXPORTS CORP. OF INDIA LTD.
67	HIGH SPEED RAIL CORPORATION OF INDIA LTD.
68	HINDUSTAN FERTILIZER CORPN. LTD.
69	HINDUSTAN INSECTICIDES LTD.
70	HINDUSTAN PAPER CORPORATION LTD.
71	HINDUSTAN PREFAB LTD.
72	HINDUSTAN SHIPYARD LTD.
73	HOUSING & URBAN DEV. CORPN. LTD.
74	HSCC (INDIA) LTD.
75	IIFCL ASSET MANAGEMENT COMPANY LTD.
76	IIFCL PROJECTS LTD.
77	INDIA INFRASTRUCTURE FINANCE CO. LTD.
78	INDIA TOURISM DEV. CORPN. LTD.
79	INDIA TRADE PROMOTION ORGANISATION
80	INDIAN RAILWAY CATERING AND TOURISM CORPN. LTD.
81	INDIAN RAILWAY FINANCE CORPORATION LTD.
82	INDIAN RAILWAY STATIONS DEVPT. CORPORATION LTD.
83	INDIAN RENEWABLE ENERGY DEVT.AGENCY LTD.
84	INDIAN VACCINE CORP. LTD.
85	IRCON INFRASTRUCTURE & SERVICES LTD.
86	IRCON INTERNATIONAL LTD.
87	IRCON PB TOLLWAY LTD.
88	IRCON SHIVPURI GUNA TOLLWAY LTD.
89	JHARKHAND INFRAPOWER LTD.
90	KANTI BIJLEE UTPADAN NIGAM LTD.
91	KHARGONE TRANSMISSION LTD.
92	KOHIMA-MARIANI TRANSMISSION LTD.
93	KUMARAKRUPPA FRONTIER HOTELS LTD.
94	M M T C LTD.
95	MAHANAGAR TELEPHONE NIGAM LTD.
96	MEDINIPUR-JEERAT TRANSMISSION LTD.
97	MOHINDER GARH-BHIWANI TRANSMISSION LTD.
98	NATIONAL BACKWARD CLASSES FINANCE & DEVP.CO.
99	NATIONAL FERTILIZERS LTD.
100	NATIONAL HANDICAPPED FINANCE & DEVPT. CORPN.
101	NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPN. LTD.
102	NATIONAL INFORMATICS CENTRE SERVICES INCORPORATED
103	NATIONAL MINORITIES DEVP. & FINANCE CORPORATION
104	NATIONAL PROJECTS CONSTRUCTION CORPN. LTD.
105	NATIONAL RESEARCH DEVELOPMENT CORPN.
106	NATIONAL SAFAI KARAMCHARIS FINANCE & DEVPT. CORPN
107	NATIONAL SCHEDULED CASTES FINANCE & DEVP. CORPN.
108	NATIONAL SCHEDULED TRIBES FINANCE & DEVP. CORPN.
109	NATIONAL SEEDS CORPN. LTD.
110	NATIONAL SMALL INDUSTRIES CORPN. LTD.
111	NATIONAL TEXTILE CORPN. LTD.
112	NBCC (INDIA) LTD.
113	NBCC ENGINEERING AND CONSULTANCY LTD.

S. No.	State / CPSE
114	NBCC SERVICES LTD.
115	NELLORE TRANSMISSION LTD.
116	NER-II TRANSMISSION LTD.
117	NORTH KARANPURA TRANSCO LTD.
118	NRSS XXXVI TRANSMISSION LTD.
119	NTPC ELECTRIC SUPPLY COMPANY LTD.
120	NTPC LTD.
121	NTPC VIDYUT VYAPAR NIGAM LTD.
122	NUCLEAR POWER CORPN. OF INDIA LTD.
123	ODISHA INFRAPOWER LTD.
124	OIL & NATURAL GAS CORPORATION LTD.
125	ONGC VIDESH LTD.
126	ORISSA INTEGRATED POWER LTD.
127	P E C LTD.
128	PATRATU VIDYUT UTPADAN NIGAM LTD.
129	PAWAN HANS LTD.
130	PFC CAPITAL ADVISORY SERVICE LTD.
131	PFC CONSULTING LTD.
132	PFC GREEN ENERGY LTD.
133	POWER FINANCE CORPORATION LTD.
134	POWER GRID CORPORATION OF INDIA LTD.
135	POWER GRID JABALPUR TRANSMISSION LTD.
136	POWER GRID PARLI TRANSMISSION LTD.
137	POWER GRID SOUTHERN INTERCONNECTOR TRANSMISSION SYSTEM LTD.
138	POWER GRID WARORA TRANSMISSION LTD.
139	POWER SYSTEM OPERATION CORPORATION LTD.
140	POWERGRID KALA AMB TRANSMISSION LTD.
141	POWERGRID NM TRANSMISSION LTD.
142	POWERGRID UNCHAHAR TRANSMISSION LTD.
143	POWERGRID VIZAG TRANSMISSION LTD.
144	PRIZE PETROLEUM COMPANY LTD.
145	RAIL VIKAS NIGAM LTD.
146	RAILTEL CORPORATION INDIA LTD.
147	RAILWAY ENERGY MANAGEMENT COMPANY LTD.
148	REC POWER DISTRIBUTION CO. LTD.
149	REC TRANSMISSION PROJECTS CO. LTD.
150	RITES INFRASTRUCTURE SERVICES LTD.
151	RITES LTD.
152	RURAL ELECTRIFICATION CORPN. LTD.
153	SAKHIGOPAL INTEGRATED POWER COMPANY LTD.
154	SECURITY PRINTING & MINTING CORPN. INDIA LTD.
155	SIDCUL CONCOR INFRA COMPANY LTD.
156	SOLAR ENERGY CORPORATION OF INDIA
157	SOUTH -CENTRAL EAST DELHI POWER TRANSMISSION LTD.
158	STATE TRADING CORPN. OF INDIA LTD.
159	STEEL AUTHORITY OF INDIA LTD.
160	TANDA TRANSMISSION COMPANY LTD.
161	TATIYA ANDHRA MEGA POWER LTD.
162	TCIL BINA TOLL ROAD LTD.
163	TCIL LAKHNADONE TOLL ROAD LTD.
164	TELECOMMUNICATIONS CONSULTANTS (INDIA) LTD.
165	WAPCOS LTD.
	GOA
166	GOA ANTIBIOTICS & PHARMACEUTICALS LTD.
167	GOA SHIPYARD LTD.
	GUJRAT
168	INDIAN CATALYST PVT. LTD.
	HARYANA
169	INDIAN DRUGS & PHARMACEUTICALS LTD.
170	NHPC LTD.
171	RAILTEL ENTERPRISES LTD.
	HIMACHAL PRADESH

S. No.	State / CPSE
172	SJVN LTD.
173	SJVN THERMAL PVT. LTD.
	JAMMU & KASHMIR
174	HMT CHINAR WATCHES LTD.
175	J & K MINERAL DEVELOPMENT CORPN. LTD.
	JHARKHAND
176	BHARAT COKING COAL LTD.
177	CENTRAL COALFIELDS LTD.
178	CENTRAL MINE PLANNING & DESIGN INSTITUTE LTD.
179	ENGINEERING PROJECTS (INDIA) LTD.
180	HEAVY ENGINEERING CORPN. LTD.
181	JHARKHAND NATIONAL MINERAL DEVPT. CORPORATION LTD.
182	MECON LTD.
183	RANCHI ASHOK BIHAR HOTEL CORPN. LTD.
184	URANIUM CORPORATION OF INDIA LTD.
	KARNATAKA
185	ANTRIX CORPORATION LTD.
186	BEL-THALES SYSTEMS LTD.
187	BEML LTD.
188	BHARAT ELECTRONICS LTD.
189	HINDUSTAN AERONAUTICS LTD.
190	HMT (INTERNATIONAL) LTD.
191	HMT LTD.
192	HMT MACHINE TOOLS LTD.
193	HMT WATCHES LTD.
194	I T I LTD.
195	KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LTD.
196	KARNATAKA TRADE PROMOTION ORGANISATION
197	KARNATAKA VIJAY NAGAR STEEL LTD.
198	KIOCL LTD.
199	MANGALORE REFINERY & PETROCHEMICALS LTD.
200	ONGC MANGALORE PETROCHEMICALS LTD.
201	STCL LTD.
202	TUNGABHADRA STEEL PRODUCTS LTD.
203	VIGNYAN INDUSTRIES LTD.
	KERALA
204	BHEL ELECTRICAL MACHINES LTD.
205	BPCL-KIAL FUEL PVT. LTD.
206	COCHIN SHIPYARD LTD.
207	FERTILIZERS & CHEMICALS (TRAVANCORE) LTD.
208	HINDUSTAN NEWSPRINT LTD.
209	HLL BIOTECH LTD.
210	HLL INFRA TECH SERVICES LTD.
211	HLL LIFECARE LTD.
212	PETRONET CCK LTD.
	MADHYA PRADESH
213	MADHYA PRADESH ASHOK HOTEL CORPN. LTD.
214	NEPA LTD.
215	NHDC LTD.
216	NORTHERN COALFIELDS LTD.
	MAHARASHTRA
217	AIR INDIA CHARTERS LTD.
218	ANUSHAKTI VIDHYUT NIGAM LTD.
219	BEL OPTRONICS DEVICES LTD.
220	BHARAT PETRO RESOURCES JPDA
221	BHARAT PETRO RESOURCES LTD.
222	BHARAT PETROLEUM CORPN. LTD.
223	COTTON CORPN. OF INDIA LTD.
224	E. C. G. C. LTD.
225	HINDUSTAN ANTIBIOTICS LTD.
226	HINDUSTAN ORGANIC CHEMICALS LTD.
227	HINDUSTAN PETROLEUM CORPN. LTD.

S. No.	State / CPSE
228	HOTEL CORPN. OF INDIA LTD.
229	INDIAN OIL CORPORATION LTD.
230	INDIAN RARE EARTHS LTD.
231	KONKAN RAILWAY CORPORATION LTD.
232	MAZAGON DOCK SHIPBUILDERS LTD.
233	MILLENNIUM TELECOM LTD.
234	MINERAL EXPLORATION CORPN. LTD.
235	MOIL LTD.
236	MUMBAI RAILWAY VIKAS CORPORATION LTD.
237	NATIONAL FILM DEV. CORPN. LTD.
238	NPCIL - INDIAN OIL NUCLEAR ENERGY CORPORATION LTD.
239	NPCIL - NALCO POWER COMPANY LTD.
240	RASHTRIYA CHEMICALS AND FERTILIZERS LTD.
241	RICHARDSON & CRUDDAS(1972) LTD.
242	SHIPPING CORPORATION OF INDIA LTD.
243	WESTERN COALFIELDS LTD.
	MANIPUR
244	LOKTAK DOWNSTREAM HYDROELECTRIC CORPORATION LTD.
	MEGHALAYA
245	NORTH EASTERN HANDICRAFTS & HANDLOOM DEV.CORPN. LTD.
246	NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
	NAGALAND
247	NAGALAND PULP & PAPER COMPANY LTD.
	ORISSA
248	MAHANADI BASIN POWER LTD.
249	MAHANADI COALFIELDLS LTD.
250	MJSJ COAL LTD.
251	MNH SHAKTI LTD.
252	NATIONAL ALUMINIUM COMPANY LTD.
253	ORISSA DRUGS & CHEMICALS LTD.
254	UTKAL ASHOK HOTEL CORPN. LTD.
	PONDICHERRY
255	PONDICHERRY ASHOK HOTEL CORPN. LTD.
	RAJASTHAN
256	FCI ARAVALI GYPSUM & MINERALS (INDIA) LTD.
257	HINDUSTAN SALTS LTD.
258	HPCL RAJASTHAN REFINERY LTD.
259	INSTRUMENTATION LTD.
260	RAJASTHAN DRUGS & PHARMACEUTICALS LTD.
261	RAJASTHAN ELECTRONICS AND INSTRUMENTS LTD.
262	SAMBHAR SALTS LTD.
	TAMILNADU
263	BHARATIYA NABHIKIYA VIDYUT NIGAM LTD.
264	CHENNAI PETROLEUM CORPORATION LTD.
265	HINDUSTAN PHOTO FILMS MANUFACTURING CO. LTD.
266	IDPL (TAMILNADU) LTD.
267	KAMARAJAR PORT LTD.
268	MADRAS FERTILIZERS LTD.
269	NLC INDIA LTD.
270	NLC TAMIL NADU POWER LTD.
271	SAIL REFRACTORY COMPANY LTD.
272	SETHUSAMUDRAM CORPN. LTD.
273	TAMIL NADU TRADE PROMOTION ORGANISATION
	TELANGANA
274	BHARAT DYNAMICS LTD.
275	ELECTRONICS CORPN. OF INDIA LTD.
276	HINDUSTAN FLUOROCARBONS LIMITED
277	HMT BEARINGS LTD.
278	MISHRA DHATU NIGAM LTD.
279	NMDC Ltd.
280	NMDC POWER LTD.

S. No.	State / CPSE
	UTTAR PRADESH
281	ARTIFICIAL LIMBS MFG. CORPN. OF INDIA
282	BHARAT IMMUNOLOGICALS & BIOLOGICALS CORP. LTD.
283	BHARAT PUMPS & COMPRESSORS LTD.
284	BRITISH INDIA CORPORATION LTD.
285	BROADCAST ENGG. CONSULTANTS INDIA LTD.
286	BUNDELKHAND SAUR URJA LTD.
287	JAGDISHPUR PAPER MILLS LTD.
288	NATIONAL HANDLOOM DEVELOPMENT CORPORATION LTD.
289	NEYVELI UTTAR PRADESH POWER LTD
290	PROJECTS & DEVELOPMENT INDIA LTD.
291	SCOOTERS INDIA LTD.
	UTTARANCHAL
292	INDIAN MEDICINES & PHARMACEUTICAL CORPN. LTD.
293	THDC INDIA LTD.
	WEST BENGAL
294	ANDREW YULE & COMPANY LTD.
295	BALMER LAWRIE & CO. LTD.
296	BALMER LAWRIE INVESTMENTS LTD.
297	BENGAL CHEMICALS & PHARMACEUTICALS LTD.
298	BIRDS JUTE & EXPORTS LTD.
299	BRAITHWAITE & CO. LTD.
300	BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LTD.
301	BRIDGE & ROOF CO.(INDIA) LTD.
302	BURN STANDARD COMPANY LTD.
303	CENTRAL INLAND WATER TRANSPORT CORPN. LTD.
304	COAL INDIA LTD.
305	EASTERN COALFIELDS LTD.
306	EASTERN INVESTMENT LTD.
307	GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.
308	HINDUSTAN CABLES LTD.
309	HINDUSTAN COPPER LTD.
310	HINDUSTAN STEELWORKS COSTN. LTD.
311	HOOGLHY DOCK AND PORT ENGINEERS LTD.
312	HOOGLHY PRINTING COMPANY LTD.
313	KOLKATA METRO RAIL CORPORATION LTD.
314	M S T C LTD.
315	NATIONAL JUTE MANUFACTURES CORPORATION LTD.
316	ORISSA MINERAL DEVELOPMENT COMPANY LTD.
317	THE BISRA STONE LIME COMPANY LTD.
318	THE JUTE CORPN. OF INDIA LTD.
319	YULE ELECTRICAL LTD.
320	YULE ENGINEERING COMPANY LTD.

Central Public Sector Enterprises whose data has been treated as provisional in 2015-16

Sl.No.	Name of CPSE	Sl.No.	Name of CPSE
1.	Kolkata Metro Rail Corporation Ltd.	29.	Birds, Jute & Exports Ltd.
2.	Rashtriya Ispat Nigam Ltd.	30.	British India Corporation Ltd.
3.	Fertilizers Corporation of India Ltd.	31.	National Jute Manufacturers Corporation Ltd.
4.	Fertilizers & Chemicals (Travencore) Ltd.	32.	National Textiles Corporation Ltd.
5.	Hindustan Fertilizers Corporation Ltd.	33.	Food Corporation of India Ltd.
6.	Brahmaputra Cracker and Polymer Ltd.	34.	India Trade Promotion Organization
7.	Hindustan Antibiotics Ltd.	35.	North Eastern Regional Agricultural Marketing Corporation Ltd.
8.	Indian Drugs and Pharmaceuticals Ltd.	36.	Dredging Corporation of India Ltd.
9.	Indian Medicines and Pharmaceuticals Ltd.	37.	Pawan Hans Helicopters Ltd.
10.	Karnataka Antibiotics and Pharmaceuticals Ltd.	38.	BBJ Construction Company Ltd.
11.	Rajasthan Drugs and Pharmaceuticals Ltd.	39.	Hindustan Prefab Ltd.
12.	Burn Standard Company Ltd.	40.	IRCON International Ltd.
13.	Heavy Engineering Corporation Ltd.	41.	Indian Railway Station Development Corporation Ltd.
14.	Tungabhadra Steel Products Ltd.	42.	Mumbai Railway Vikas Corporation Ltd.
15.	Hindustan Cables Ltd.	43.	NBCC (India) Ltd. Ltd.
16.	HMT Chinar Watches Ltd.	44.	Broadcast Engineering Consultants India Ltd.
17.	HMT Ltd.	45.	Engineering Projects (India) Ltd.
18.	HMT Machines Tools Ltd.	46.	HSC C (India) Ltd.
19.	HMT Watches Ltd.	47.	National Informatics Centre Services Incorporated
20.	Instrumentation Ltd.	48.	National Research Development Corporation
21.	Richardson and Cruddas (1972) Ltd.	49.	Hotel Corporation of India Ltd.
22.	Garden Reach Shipbuilders & Engineers Ltd.	50.	National Film Development Corporation Ltd.
23.	Goa Shipyard Ltd.	51.	Bharat Broadband Network Ltd.
24.	Cement Corporation of India Ltd.	52.	Railtel Enterprises Ltd.
25.	Hindustan Paper Corporation Ltd.		
26.	Hindustan Salts Ltd.		
27.	NEPA Ltd.		
28.	Sambhar Salts Ltd.		

GLOSSARY OF CERTAIN TERMS USED IN THIS REPORT

1. Capital Employed means total Share Capital Fund and long term Borrowings.
2. Share Capital Funds consists of paid up capital, Reserves & Surplus, Money received against Share Warrant and Share application money pending allotment.
3. Working Capital means current assets less current liabilities.
4. Investment (Financial) means paid-up-capital, share application money pending allotment, Money received against Share Warrants and long term borrowings.
5. Gross Block represents original cost of procuring and erecting fixed assets (tangible and intangible) as appearing in the annual accounts of the CPSEs at the end of the accounting year and takes into account additions thereto and deduction there from by way of sales and transfers and Capital-Work-In progress and Intangible Assets under development.
6. Gross Turnover/Revenue means the revenue from operations including sale of products (Interest income in case of Financial Enterprises), Sale of Services and other operating revenue (Revenue from other Financial Services in case of Financial Enterprises) and include excise duty.
7. Total Revenue means Net Turnover (excluding excise duty) and includes other income also.
8. Cost of Sales means total expenditure incurred on production / operation and includes depreciation, depletion & amortization, impairment excluding loss on sale of assets/Investments.
9. Net Worth means paid-up capital, money received against share warrants, share application money pending allotment and reserves & surplus less Reserves created out of revaluation of assest, write-back of depreciation & amalgamation.
10. Net Value Addition consists of Profit before tax (PBT), salary and wages, royalty/rent/cess and interest payment and indirect taxes and duties (net of subsidies).
11. Profit before depreciation, depletion & amortization, impairment, interest, exceptional and extraordinary items and taxes (PBDIIIEET)/Gross Margin: This represents excess of income over expenditure before providing for depreciation, depletion & amortization, impairment, interest/finance cost, exceptional items and extra ordinary items and taxes.
12. Profit before interest, exceptional, extra ordinary items and taxes, (PBIEET)/Gross Profit means excess of income over expenditure before providing for interest finance cost, exceptional items and extra ordinary items and taxes.
13. Profit before exceptional, extraordinary items and taxes, (PBEET) means excess of income over expenditure before providing for exceptional items, extra ordinary items and taxes.
14. Net Profit/Loss means excess of total income over expenditure after providing for depreciation, depletion, impairment, interest, exceptional items, taxes, and extra ordinary items.
