

गोपाल कृष्ण
GOPAL KRISHNA



सचिव
SECRETARY
भारत सरकार
GOVERNMENT OF INDIA
पोत परिवहन मंत्रालय
MINISTRY OF SHIPPING

DO No. S2-25021/1/2017-SM

February 15, 2019

Dear Seema,

The Ministry of Shipping, in close cooperation with Siemens Industry Software India Private Limited and Indian Register of Shipping, has set up a state-of-the-art world class Centre of Excellence in Maritime and Shipbuilding (CEMS) at a cost of Rs. 765.92 crore. CEMS has two premises, one at Indian Maritime University campus, Vishakhapatnam and the second at Indian Register of Shipping campus in Mumbai. It is run by a Section 8 company set up on "not for profit" basis. However, hardware, software and technology has been provided by Siemens Industry Software India Private Limited at a cost of Rs. 665 crore in-kind and remaining Rs. 100 crore has been provided equally by Ministry of Shipping and Indian Register of Shipping (IRS) as one time grant.

2.0 CEMS is a specialized training centre for ship design, ship building, maintenance, repair and advanced manufacturing with an objective to provide highly skilled manpower to meet the requirements of Industry. This Centre is one of its kind in whole of Asia and the facility has huge relevance and benefits to defence production, heavy engineering, oil & gas, steel industry, railways, defence forces, etc. which are technology intensive and engaged in manufacturing.

3.0 CEMS is a one stop comprehensive training centre for imparting advanced manufacturing, futuristic digital and other multi-disciplinary engineering skills in areas such as software design, robotics, mechatronics, SCADA controls, product life cycle management, PLC programming, transmission protocols, virtual reality, process instrumentation, dimensional accuracy, nesting, hull design, radar technology, pneumatics & hydraulics, welding, pumps training system, piping training system, etc. The courses are offered for newly inducted employees and those promoted to handle superior responsibilities and are provided for all employees including workers, supervisors and officers. These courses are of basic, intermediate and advanced levels.

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The courses have been designed by Siemen and training is imparted by them and their domain partners such as KUKA, KEMPPI, FESTO, etc. with support of CEMS team. The courses being offered and the fee structure, which is highly subsidized, are given in Annex-I. These courses are certified by Siemens, IRS and Indian Maritime University.

4.0. I shall be grateful if you could kindly bring this to the notice of all your Central Public Sector Undertakings and other manufacturing establishments to utilize the facility to meet their advanced training needs. Brochure giving details of CEMS can be accessed at <https://goo.gl/myUeeC> . For further details, Rear Admiral (Retd.) Shekhar Mital, CEO (Email- shekhar.mital@cemsindia.org , Mobile +91-97640-30800) or Cdr. (Retd.) Gopi Krishna Sivvam, COO, CEMS (Email-gopi@cemsindia.org Mobile - +91-94902-35458) may be contacted. CEMS website address is www.cemsindia.org.

With regards,

Yours sincerely

Vil M 15/2/19
Gopal Krishna

Ms. Seema Bahuguna
Secretary,
Department of Public Enterprises,
Ministry of Heavy Industries & Public Enterprises
CGO Complex,
New Delhi-110003

Annexure 1:

Multi-Disciplinary & Industry Relevant labs have been set up at CEMS Campuses in Mumbai and Vizag:

SI No	LABS	Available at (Centre)	Type
1	Product Design and Validation	Mumbai and Vizag	Software (NX11, Team Center, CADWIN, SAMIN, PARAMARINE, etc.)
2	Advanced Manufacturing		
3	Test and Optimization		
4	Nesting- Productivity Improvement		
5	Dimensional Accuracy Control System		
6	Hull Design		
7	Research Machine Shop	Vizag	Hardware (SINAMICS, PROFIBUS, PROFINET, SIMOCODE, SITRAN, SINUMERIC, SINUTRAN, JANATICS etc.)
8	Automation		
9	Mechatronics		
10	Welding Technology		
11	Robotics		
12	Virtual Reality		
13	Process Instrumentation		
14	Electrical		
15	Pneumatics & Hydraulics		
16	Pumps Training System		
17	Piping Training System		
18	Radar System		

Course Structure and Fees

Basic/ Foundation Level Course. Average study of 40 hours- Rs 15000 + 18 % GST (taxes) per participant, per course.

Intermediate / Master Level Course. Average study of 70 hours- Rs20000 + 18 % GST (taxes) per participant, per course

Advance/ Expert Level Course. Average study of 100 hours Rs 25000 + 18 % GST (taxes) per participant, per course

Commencement of Course. The courses for the year 2019 are scheduled to commence from early Feb 2019.

Training Programs and Content. Courses can be further customized to meet specific requirements of the industry, for all employees including workers, supervisors and officers. Training is conducted in digital/ virtual specially designed '**Learning Management System**' (LMS) modules to achieve standardization with well defined course objectives. Same is further supported by qualified instructors/ project work and evaluation. Brochure giving details on CEMS can also be accessed at <https://goo.gl/myUeeC>

Diploma Courses. Further Diploma in CAD/ CAE, Digital Manufacturing, PLM, Robotics, NVH, Automation and Mechatronics, Pneumatics and Hydraulics is provided when multiple courses are undertaken.

- **Website:** www.cemsindia.org
- **You tube Channel:** www.youtube.com/watch?v=89SJRJN893g&t=60s
- **Twitter:** http://twitter.com/cems_in
- **Facebook:** <http://www.facebook.com/CEMS5>