

GOVERNMENT OF INDIA  
MINISTRY OF PORTS, SHIPPING AND WATERWAYS

**RAJYA SABHA**  
**UNSTARRED QUESTION NO. 312**  
ANSWERED ON 22.07.2025

**CENTRE OF EXCELLENCE IN MARITIME AND SHIP BUILDING**

312. SHRI SANA SATHISH BABU:

Will the Minister of PORTS, SHIPPING AND WATERWAYS be pleased to state:

- (a) the number of Centre of Excellence in Maritime and Ship-Building (CEMS) campuses established across the country, especially in Andhra Pradesh, the total funds allocated, infrastructure created over the past five years, including private sector contributions, if any;
- (b) the details of skill development programs undertaken at CEMS, including training in Industry 4.0, the number of students benefited over the past five years and employment generated through CEMS training programs in Andhra Pradesh;
- (c) the number of international students enrolled in CEMS campuses across the country, region-wise; and
- (d) the details of workshops & labs created under CEMS in Andhra Pradesh?

**ANSWER**

MINISTER OF PORTS, SHIPPING AND WATERWAYS  
(SHRI SARBANANDA SONOWAL)

(a to d) Centre of Excellence in Maritime and Shipbuilding (CEMS) has been set up as a Section-8 Company with initial inputs from Ministry of Ports, Shipping and Waterways (MoPSW), Indian Register of Shipping and SIEMENS Industry Software Ltd. CEMS contains one MoPSW and one Indian Maritime University (IMU) representative as board members and work under the overall supervision of MoPSW. The CEMS campuses have been established at Mumbai and Visakhapatnam. The details of infrastructure and labs created in CEMS over the past five years is at Annexure-I.

CEMS is equipped with cyber physical systems and the courses at CEMS are focused on Industry 4.0 technologies. CEMS has trained 21000 students in various programs over the last five years. Among these, 1780 have been enrolled for placement linked courses out of which 1183 have been placed including in Andhra Pradesh. No international student has been enrolled in CEMS campuses.

**Details of Infrastructure & Labs at campuses of CEMS**

Sl. No.	Campus	Labs
1	Visakhapatnam, Andhra Pradesh	1. Product Design and Validation Lab 2. Advance Manufacturing Lab 3. Test and Optimisation Lab 4. Dimensional Accuracy Control System Lab 5. Nesting Productivity Improvement Lab 6. Hull Design Lab 7. Welding Technology Lab 8. Advance Electrical Lab 9. Radar Training Lab 10. Pneumatics and Hydraulics Lab 11. Virtual Reality Lab 12. Pumps Training System Lab 13. Piping Training System Lab 14. Automation Lab 15. Mechatronics Lab 16. Process Instrumentation Lab 17. Research Machine Shop CNC Machine Lab 18. Robotics Lab 19. PLM Lab 20. EPLAN Lab 21. IOT Lab 22. Logistics Lab
2	Mumbai, Maharashtra	1. Product Design and Validation Lab 2. Advance Manufacturing Lab 3. Test and Optimisation Lab 4. Dimensional Accuracy Control System Lab 5. Nesting Productivity Improvement Lab 6. Hull Design Lab

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