

Secretary, MeitY, Shri S Krishnan lays Foundation Stone for EMI and EMC Testing Facility for Strategic Electronic Systems in Navi Mumbai

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Secretary, Ministry of Electronics and Information Technology (MeitY) , Shri S Krishnan laid the foundation stone for the Electromagnetic Interference (EMI) and Electromagnetic Compatibility (EMC) Test Facility at Navi Mumbai today. The laboratory to be established by the Society for Applied Microwave Electronics Engineering and Research (SAMEER), a research institution under the Ministry of Electronics and Information Technology (MeitY), Government of India, is designed to cater to the growing demand for testing, qualification, and compliance of indigenously developed defense and strategic electronic systems. Group Coordinator, MeitY, Shri SK Marwaha, and Director General, SAMEER, Dr. P Hanumantha Rao were also present at the event.



Speaking at the event, Secretary, MeitY Shri S Krishnan said that MeitY is aggressively pursuing the electronic manufacturing in India. He further highlighted that, to meet the requirements of EMC compliance testing and certification, a dedicated laboratory for strategic electronics system is being established at SAMEER. This facility will cater to the fast-growing Indian market in strategic electronics for defence, civilian and automotive related electronic equipment.



Director General of SAMEER, Dr. P. Hanumantha Rao, stated that the proposed and upcoming military standards EMC certification laboratory at SAMEER Navi Mumbai is being established with an outlay of around INR 4000 Lakhs. This facility will provide complete EMC testing/research and compliance certification for defence, consumer and medical electronic systems manufacturers in the western zone of India as well as across India.



The facility, which is fully funded by MeitY under the project titled 'Establishment of EMC Test Facility for Testing of Strategic Electronics Systems' will play a critical role in supporting India's Atmanirbhar Bharat vision. It aims to enable the indigenous defence and aerospace sectors to meet both military and civilian standards for electromagnetic compatibility before deploying these systems in mission-critical operations.

SAMEER has been actively pursuing R&D to address the mitigation of EMI at the design level so as to improve the system performance. The Government of India has been promoting indigenous ecosystem for the development and manufacturing of defence, aerospace, automotive products and

medical equipment in the country. It is mandatory that all these systems should qualify for both the Military Standards (MIL STD) and civilian standards before deployment. This Project will cater to Military, Navy, Air force and indigenous commercial/industrial equipment manufacturers for testing, qualification and EMI/EMC compliance demands of western zone and pan India. SAMEER's services will be utilized by industry to qualify for MIL-STD, CE and FCC certification for domestic and international market. In the coming years, it is expected that large number of defence products will be built and manufactured indigenously and the proposed laboratory will propel the initiative of 'Make in India'.



The proposed National level EMI/EMC testing facility as per MIL-STD-461 F and IEC 61000-5-commercial standards will be beneficial to the industry in Maharashtra as well as in the country due to the presence of defence manufacturing hub, western naval command and the proliferation of industry in this region.

About SAMEER

SAMEER is as an autonomous Research and Development laboratory at Mumbai under the then Department of Electronics, Government of India with a broad mandate to undertake Research and Development work in the areas of Microwave Engineering and Electromagnetic Engineering Technology. It is an offshoot of the special microwave products unit (SMPU). SAMEER has been contributing towards self-reliance and indigenous solutions for the country in the areas of Microwaves, millimeter waves and advanced communication technologies.

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