



भारतीय प्रौद्योगिकी संस्थान मुंबई
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India Nuclear Energy Forum (INEF) 2026 Concludes at IIT Bombay; National Action Plan Formulated to Accelerate India's 100 GWe Nuclear Target Post SHANTI Bill

Mumbai, 30 May 2026: The **India Nuclear Energy Forum (INEF) 2026**, organised at **IIT Bombay** on **29–30 May 2026**, brought together **approximately 350 participants from more than 180 organisations across India, Denmark, France, Japan, Singapore, the UK, and the USA**. The forum served as a national platform for policymakers, industry leaders, regulators, researchers, startups, and international experts to discuss strategies for accelerating India's nuclear energy programme and achieving the national target of **100 GWe nuclear power capacity by 2047**.

Jointly organized by the **Department of Energy Science and Engineering (DESE), IIT Bombay**, the **Research Hub for Green Energy and Sustainability (GESH IIT Bombay)**, **ProSIM R&D Pvt. Ltd.**, and the **India Energy Network**, the forum served as a national platform for dialogue on nuclear energy development in the post-SHANTI Bill era.

The inaugural session featured addresses by **Prof. Shireesh Kedare**, Director, IIT Bombay; **Prof. Suneet Singh**, IIT Bombay; **Dr. S. Shamasundar**, Managing Director, ProSIM; **Dr. Anil Kakodkar**, Former Chairman, Atomic Energy Commission of India; **Shri D. K. Shukla**, Former Chairman, AERB; **Dr. A. K. Nayak**, Former Head, NCPW, DAE; and **Shri Anil Parab**, Whole-Time Director, L&T.



(From left to right – Prof Suneet Singh, IITB, Dr S Shamasundar, Convenor, MD, ProSIM; Mr D K Shukla, former Chairman, AERB; Dr Anil Kakodkar, former chairman, Atomic Energy Commission of India; Prof Shireesh

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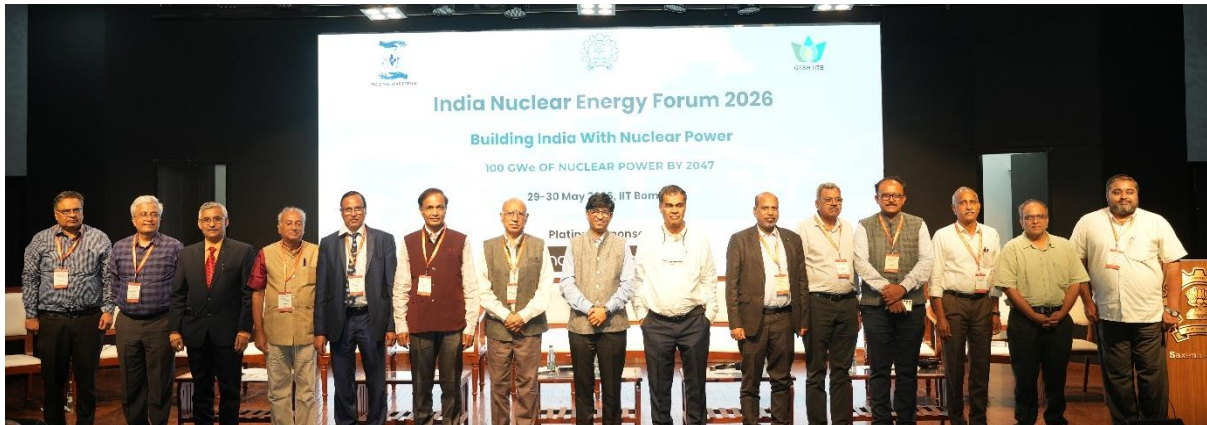
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Kedare, Director IITB; Mr Anil Parab, Director, L&T; Dr A K Nayak, Former Head NCPW, Dept of Atomic Energy; Prof Venkatsailanathan Ramadesigan, IITB)

Through **12 thematic sessions**, participants discussed *prospective new nuclear operator concerns and expectations*, nuclear supply chains, advanced reactor technologies including SMRs and MMRs, fuel supply, economics, human resource development, startups and MSMEs, collaborative R&D, industry-academia partnerships, and international best practices for nuclear power deployment.

The forum concluded with a Valedictory Session chaired by **Prof. Sanjay Mahajani**, Professor-in-Charge, GESH IIT Bombay, and graced by **Prof. Abhay Karandikar**, Hon'ble Member, NITI Aayog, as Chief Guest. He emphasized that achieving India's nuclear ambitions will require a coordinated ecosystem involving government, industry, academia, startups, regulators, financial institutions, and international partners, supported by public trust, stable policies, and effective execution.



(Session Chairmen in concluding session: from left to right: Prof Suneet Singh, IITB; Umesh Chandra, India Energy Network; Rama Mohan former Executive Director, NPCIL; Dr B Venkat Raman, former Director IGCAR; Mr R K Singh, ex BARC, former Secretary Indian Nuclear Society; Mr K U Agarwal, Former Associate Director NPCIL and Jt Secretary INS; Dr R B Grover, member Atomic Energy Commission of India; and Chairman Board of Research in Nuclear Sciences- BRNS; Prof Abhay Karandikar, Member NITI Aayog; Dr S Shamasundar, Convener- INEF, MD ProSIM; Dr A K Nayak, former head NCPW, Dept of Atomic Energy; Mr Kailash Agrwal, former director NRB-BARC and specialist at IAEA; Mr Prasenjit Pal, former Executive Director, NTPC (nuclear); Mr Thomas Mathew Former executive Director NPCIL; Prof Sanjay Mahajani, Prof-in-Charge, GESH-IITB; Prof Venkatsailanathan Ramadesigan IITB)

Reflecting on the success of the forum, **Prof. Shireesh Kedare, Director, IIT Bombay**, stated: *"INEF 2026 has provided a unique platform for bringing together diverse stakeholders to discuss the opportunities and challenges of India's nuclear energy expansion. Such collaborative efforts are essential for building the technological capabilities, skilled workforce, and innovation ecosystem needed to support the country's long-term clean energy and energy security goals".*

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Dr. Anil Kakodkar warned of the Uranium resource depletion and supply chain shocks which are imminent within a decade or two. He suggested that the way out of this conundrum clearly is Thorium, and emphasized increased R&D in Thorium. He took the example of Chinese University efforts in R&D that have resulted in a commercially operational SMR, after decades of research.

Dr. S. Shamasundar, *Hon. Director of India Nuclear Forum, and Managing Director, ProSIM R&D Pvt. Ltd* *Convenor of forum*, noted: "there is a dire need to create a holistic, sustainable, and robust nuclear energy ecosystem in India comprising of all stake holders. India Nuclear Forum will strive to create such a ecosystem to accelerate India's vision of 100 GWe of nuclear energy."

The recommendations emerging from INEF 2026 will be compiled and shared with relevant stakeholders to support India's long-term nuclear energy roadmap and the development of a safe, reliable, and globally competitive nuclear energy ecosystem.



About IIT Bombay

The Indian Institute of Technology Bombay, set up in 1958 as the second IIT, is recognised worldwide as a leader in the field of science and engineering education and research. The Institute was granted the status of 'Institution of Eminence' by the Ministry of Education (the then Ministry of Human Resources Development) on July 9, 2018. IIT Bombay is reputed for the quality of its faculty, cutting-edge research, industry relations, and the outstanding caliber of students graduating from its undergraduate and postgraduate programmes. The Institute has 81 academic divisions. Over the last six decades, more than 75,000 engineers and scientists have graduated from the Institute. It is served by 760 faculty, including 121 women faculty (plus 241 part-time faculty), considered not only amongst the best within the country but also highly recognised in the world for achievements in the field of education and research. On June 19, 2025, IIT Bombay was ranked 2nd in India and 129th in the world in the Quacquarelli Symonds (QS) World University Rankings for 2026.

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