



INDIA NUCLEAR FORUM



GESH IITB

India Nuclear Energy Forum 2026

Building India With Nuclear Power

100 GWe OF NUCLEAR POWER BY 2047

29–30 May 2026, IIT Bombay



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DAY 1 – Friday, 29th May 2026

8:30 AM – 9:30 AM: Registration, Networking, Tea & Exhibitions

📍 **SJ Mehta School of Management Entrance Corridor**

9:30 AM – 11:00 AM Inaugural Session

📍 **Venue: PC Saxena Auditorium**

- Welcome – **Prof Shireesh Kedare**, Director IIT Bombay
- About IITB Nuclear Initiatives – **Prof Suneet Singh**, IIT Bombay
- Context Setting for INEF-2026 **Dr S Shamasundar**, MD ProSIM
- Address:
 - **Dr Anil Kakodkar**, Former Chairman Atomic Energy Commission of India
 - **D K Shukla**, Former Chairman, AERB
 - **Dr A K Nayak**, Former Head, NCPW, DAE
 - **Anil Parab**, Whole Time Director and Board Member, L&T
- Inaugural Address: **Prof Abhay Karandikar**, Member, NITI Aayog
- Vote of Thanks – **Prof Venkatasailanathan Ramadesigan**, IIT Bombay

11:00 AM – 11:45 AM T E A

11:45 AM – 1:15 PM Session 1

Theme: Business Opportunities for Vendors in Nuclear Energy Sector & Supply Chain Development

📍 **Venue: PC Saxena Auditorium**

Description:

In this session current and upcoming opportunities in nuclear energy sector for vendors (from NPCIL, EDF and so on) will be discussed. Requirements, challenges, and preparation needed to qualify and realise the business potential will be discussed. Preparations from nuclear vendors in terms of expertise needed in design and engineering, quality assurance and safety requirements to become preferred vendors to nuclear power sector will be elaborated.

Session Chairman: Umesh Chandra, India Energy Network

Coordinator: Harsharaj

Keynote: Laurent Olivier, Head, Supply Chain, EDF France

"Business opportunities for the Indian supply chain for EPR units of EDF"

Panelists:

- V. K. Trivedi, Associate Director (Contracts & Material Management), NPCIL
Business Opportunities for vendors in NPCIL
- Sarita Mhatre, Deputy Director, Directorate of Purchase & Stores (DPS),
Department of Atomic Energy
- Robin Kumar, Senior Executive Engineer, Quality Assurance, NPCIL
Quality Assurance requirements expected by Vendors for Nuclear Power sector
- Dr. Nitendra SINGH, President, IYNS Research Foundation, Stakeholder Co-coordinator, ITER Organization, CEO, IYNS TechSolutions Pvt. Ltd.

11:45 AM – 1:15 PM

Session 2 (Parallel Session)

Theme: Concerns & Expectations of New Nuclear Operators

 **Venue: School of Management (SoM) Auditorium**

Description:

This session aims to consolidate the concerns and expectations of prospective nuclear operators. Session will provide opportunity to prospective operators to share their concerns about establishing a nuclear power plant and outline their expectations. All such concerns will be compiled and presented to appropriate authorities.

Session Chairman: **Vivek Sharma**, Business Head- Nuclear; and Group Head- Energy Strategy

Coordinator: Tejas N

Keynote: **A P Samal**, CGM Nuclear Cell, NTPC, CEO, NTPC Parmanu Urja Nigam Ltd.

Panelists:

- *Ranjay Sharan, President, Nuclear Energy Business, Reliance (Former Director Projects, NPCIL)*
- *S K Sharma, Director, Jindal Nuclear, (Former CMD, NPCIL)*
- *Somes Bhandyopadhyay, MD Gujarat State Electricity Board*
- *Narendra Wadwa, CEO, Bajaj Energy*
- *Swapan Kataria, CEO, Thor Atomic*
- *CP Tiwari, Tata Power*
- *Sanjay Garudapally, Founder, Global Renewable Advanced Clean Energy (GRACE)*

1:15 PM – 2:30 PM

L U N C H

2.30 PM – 4.00 PM

Session 3

Theme: Steps to set up and operate a nuclear power plant

 **Venue: PC Saxena Auditorium**

Description:

In this session, senior persons with decades of experience in development of nuclear power plant will explain the generic methods of how to set up and operate a nuclear power plant. This session covers the regulatory aspects, project management aspects and operational aspects of nuclear power plant. The licensing and regulatory framework are being redrafted post SHANTI Bill. Discussions in this session will give a broad overview to participants

Session Chairman: **Thomas Mathew**, Former Executive Director, NPCIL

Coordinator: Nishanth

Keynote: **D K Shukla**, Former Chairman, AERB

Regulatory framework to set up and operate nuclear power plants

Panelists:

- *S K Malviya, Executive Director, NPCIL*
Operation of Nuclear Power Plant
- *Arvind Shrivastava, Former Associate Director and Civil Group Head, NPCIL*
Site selection, geotechnical, geological considerations, site preparation to set up nuclear power plants
- *Rohit A Banerjee, Former Director Projects, NPCIL*
Project management of nuclear power plants

4:00 PM – 4:45 PM T E A

4:45 PM – 6:15 PM Session 4

Theme: Nuclear Reactor Technologies including SMR/MMR

 **Venue: PC Saxena Auditorium**

Description:

In this session, different nuclear reactor technologies including SMRs and MMRs will be discussed. Technology majors will discuss their technologies.

Session Chairman: Dr A K Nayak, Dean, Research, Somaiah Vidyavihar University, Former Head, NCPW, DAE

Coordinator: Prateek Ranjan

Panelists:

- Thomas Jam Pedersen, Co-Founder & CEO, Copenhagen Atomics
- Dr S Kalirajan, MD, EDF India
- Dr Sylvain NIZOU, CEO, HEXANA
- Eugene Shwageraus, Cambridge Atomworks
- Rosatom – TBC
- Dr Alok Mishra, MD, Westinghouse, India

4.45 PM – 6.15 PM Session 5 (Parallel Session)

Theme: Nuclear Fuel Supply

 **Venue: School of Management (SoM) Auditorium**

Description:

In this session, issues related to technology of nuclear fuel supply chain, will be discussed.

Session Chairman: Kailash Agarwal, Former Director, NRG-BARC and Specialist at IAEA

Coordinator: Shane Stuart

Keynote: Martin Hjelmeland, Consultant, Thor Atomic, Norway

Panelists:

- Mehul Shah, CEO & De Paul Chan, CTO, Clean Core Thorium Energy
- Dr (Ms) Marta Nogaj, VP Fuel Business Development – Framatome
- Dr (Ms) Umashankari, BARC
- Dr Phillip Fernando, Former Associate Director, NPCIL
- Vladimir Finov, Director, TENEX India

6:15 PM – 7:30 PM Session 6

Theme: Nuclear Startups/ Nuclear Vendors

 **Venue: PC Saxena Auditorium**

Description:

In this session, Start-ups and MSMEs who play a critical role in expansion of nuclear energy in India will make brief presentations on their products / services.

Session Chairman: K U Agarwal, Executive Director, TENEX, (Former Associate Director, NPCIL)

Coordinator: Ojas Yadav

Panelists:

- Jayakrishna, Team Leader, ProSIM R&D Pvt Ltd.
Overview of ASME B&PV Code Sec III (Nuclear Facility Components)
- Amit Patil, Vice President Marketing, Clean Earth Energy Solutions (CEES)
- Dr. Vijayaraghavan Chakravarthy, Precision Equipment
- Rajendra Mistry, CTO, MASCOT Valves Pvt Ltd
- Pradeep Bhat, Co-Founder & CEO, PolyEnergetics

6:15 PM – 7:30 PM Session 7 (Parallel Session)
Theme: Economics of Nuclear Power Plants

📍 Venue: School of Management (SoM) Auditorium

Description:

In this session, issues related to economics of a nuclear power plant including CAPEX and OPEX, project execution costs, and all other costs that determine the LCOE (levelised cost of electricity) will be discussed. Importance of cost control and areas for potential optimisation will be discussed.

Session Chairman: Prof Venkatasailanathan Ramadesigan, IIT-Bombay

Coordinator: Santosh Mankani

Keynote: Stephane Salib, Head of Financial Structuring, EDF, France

Panelists:

- Pratik Agrawal, Executive Director, NPCIL
- M I Joy, VP, Reliance Industries Limited
- Sourabh Agarwal, President, Jindal Nuclear Power Private Limited
- Rudhi Pradhan, Lead- Strategy, Accenture

7:30 PM – 9:00 PM D I N N E R

DAY 2 – 30th May 2026, Saturday

9:30 AM – 11:00 AM Session 8
Theme: Nuclear Startups/ Nuclear Vendors

📍 Venue: PC Saxena Auditorium

Description:

In this session, Start-ups and MSMEs who play a critical role in expansion of nuclear energy in India will make brief presentations, on their products / services.

Session Chairman: R.K. Singh, Indian Nuclear Society, Former Head, MRP&AS, BARC

Coordinator: Ojas Yadav

Panelists:

- Dr Samyak Munot, IYNS
- Prabhat Ranjan, CEO and Co-founder, ASPL Fusion
- Sdtork Controls Pvt Ltd
- Vivek Javani, Sr Technical Leader, Dassault Systemes
- Vishwajeet Raj, Team Leader, ProSIM R&D Pvt Ltd.
Overview of IAEA, AERB, and NPCIL Guidelines to Ensure Safety of Systems, Structures, and Components of NPPs
- Santosh Mankani, Project Manager, ProSIM R&D Pvt Ltd.
Seismic Evaluation and its Importance in Ensuring the Safety of SSC's of NPPs along with Case Studies

9:30 AM – 11:00 AM

Session 9 (Parallel Session)

Theme: Human Capacity Development – Creating Academic Programs and Skills Development program

📍 Venue : School of Management (SoM) Auditorium

Description:

In this session, the need and methods for human capacity building to cater to the growth of nuclear energy will be discussed. Development of academic programs, skill development programs, certification programs at various levels to cater the growing manpower demand in nuclear energy will be discussed.

Session Chairman: Prof Suneet Singh, IIT Bombay

Coordinator: Viraj

Keynote: Dr Kallol Roy, Visiting Faculty IIT- Madras, Former CMD BHAVINI(DAE)

Panelists:

- Prof (Ms) Preeti Aghalayam, IIT Madras
- Ms Remya Sharma, Additional Chief Engineer, NPCIL
- Sunil Ganju, Chairman, Atomic Energy Education Society (AEES); Former Head NCPW, DAE
- Dr Suresh Ukranade, Dean Somaiah Vidyavihar University
- Prof. Naveen Kumar, Associate Dean, Homi Bhaba National Institute, DAE
- Alex Skripkin, Director, GET-ETC, Rosatom.

11.00 AM – 11.45 AM T E A

11:45 AM – 1:15 PM

Session 10

Theme: Collaborative R&D for Nuclear Sector

📍 Venue: PC Saxena Auditorium

Description:

In this session, important issue of R&D in nuclear energy, need for close collaboration between Industry and academia, private sector R&D will be discussed. Need to encourage nuclear start-ups will be explored in discussions.

Session Chairman: Dr R B Grover, member Atomic Energy Commission, Chairman, Board of Research in Nuclear Sciences (BRNS)

Coordinator: Saanvi

Keynote: Dr B Venkatraman, (Former Director IGCAR)

Panelists:

- Prof Raghunathan Rengasamy, IIT Madras
- Ranbir Saran Das, Director Fairwood Nuclear
- Prof S V Prabhu, IIT Bombay
- Prof Ashok Khanna, IIT Kanpur

11:45 AM – 1:15 PM

Session 11 (Parallel Session)

Theme: International Experience in Setting up and Operation of NPP

📍 Venue : School of Management (SoM) Auditorium

Description:

In this session, experience of other countries in their pursuit of nuclear power expansion will be discussed. How to take lessons from international experience and how to leverage towards accelerating India's nuclear energy vision will be discussed.

Session Chairman: *N Rama Mohan, Former Executive Director, NPCIL*

Coordinator: *Nishanth*

Keynote: *Dr Nawal Prinja, Prinja Associates, UK; Former Director-Technology Jacobs;*

Panelists:

- *Arnaud Lefvre, CEO, Dynatom, Switzerland*
- *Vijay Joshi, Director Rosatom*
- *Navnith NAIR, CEO & MD, Framatome India*
- *Prof. Kamal Bajoria (Former IIT Bombay & Cambridge University)*
- *Dr Thierry Advocat, Nuclear Counsellor, Embassy of France, India. Representative of French Atomic Energy Commission*

1:15 PM – 2:30 PM LUNCH

2:30 PM – 4:30 PM Session-12

Theme: Steps to Accelerate realisation of 100GWe Nuclear Energy

 **Venue: PC Saxena Auditorium**

Description:

In this session, moderators of all the sessions will present the summary of discussions and recommendations. Invited panelists will make their remarks. This will be followed by open house discussions. Discussions will be captured and recommendations will be made to appropriate authorities in the government.

Session Chairman: *Dr S Shamasundar, MD ProSIM R&D Pvt Ltd.*

Panelists:

- *Dr. B. Venkatraman, Former Director, IGCAR*
- *Mr GD Mittal, Vice President, Indian Nuclear Society*
- *UK Bhattacharya, CMD STEAG India (Former Director Projects, NTPC*
- *Prasenjit Pal (Former Executive Director NTPC Nuclear)*

Summary of Sessions by Chairmen

- *Session 1 – Business Opportunities in Nuclear Power & Supply Chain Development– Umesh Chandra*
- *Session 2 – Concerns & Expectations of New Nuclear Operators – Vivek Sharma/A P Samal*
- *Session 3 – Steps to Set Up and Operate a Nuclear Power Plant – Thomas Mathew*
- *Session 4 – Nuclear Reactor Technologies including SMR/MMR – Dr A K Nayak*
- *Session 5 – Nuclear Fuel Supply – Kailash Agarwal*
- *Session 6 – Nuclear Startups / Nuclear Vendors – K U Agarwal*
- *Session 7 – Economics of Nuclear Power Plants – Prof Venkatasailanathan Ramadesigan*
- *Session 8 – Nuclear Startups / Nuclear Vendors – R K Singh*
- *Session 9 – Human Capacity Development – Creating Academic Programs and Skills Development Program – Prof Suneet Singh*
- *Session 10 – Collaborative R&D for Nuclear Sector – Dr R B Grover*
- *Session 11 – International Experience in Setting up and Operation of NPP – N Rama Mohan*

Open House Discussion

VALEDICTORY SESSION

MC : *Dr. Wazeem Nishad, COO, GESH IITB*

Session Chairman: *Prof. Sanjay Mahajani, PiC GESH IITB*

Chief Guest: *Prof Abhay Karandikar (Member NITI Aayog)*

Closing Remarks: *Dr Shamasundar, MD ProSIM R&D Pvt Ltd.*

WRAP – UP

4:30 PM HIGH TEA