India Nuclear Energy Forum 2026

Building India With Nuclear Power

100 GWe OF NUCLEAR POWER BY 2047 - POST SHANTI BILL 2025

29-30 May 2026

IIT Bombay, Mumbai

*A platform curated by IIT Bombay Research Hub for Green Energy and Sustainability (GESH IITB) & Department of Energy Sciences and Engineering **IIT Bombay** together with **India Energy Network** to create a robust **Indian Nuclear Energy Ecosystem.***

- **KEYNOTE LECTURES**
- **PANEL DISCUSSIONS**
- **NUCLEAR NEWCOMER GUIDANCE**
- **POSTER SESSIONS**
- **INTERNATIONAL COLLABORATION**
- **EXHIBITION**

Organised by

IIT Bombay Research Hub for Green Energy and Sustainability (GESH IITB)

Department of Energy Science & Engineering

IIT Bombay

India Energy Network

India Nuclear Forum

PREAMBLE

Indian government's decision to pass the **SHANTI Bill** (**S**ustainable **H**arnessing and **A**dvancement of **N**uclear Energy for **T**ransforming **I**ndia) has generated high enthusiasm among Indian and global nuclear energy community. The ambitious goal of achieving 100 GW of nuclear power capacity by 2047 in India will require an estimated investment of more than US$ 250 billion.

To put this into perspective, United States, which began commercial nuclear power generation in the mid-1950s, has developed approximately 97 GW of capacity across 93 nuclear power plants. With this comparison we can imagine the scale of preparation, investment and coordinated efforts required to ramp up India's nuclear power capacity to the levels envisioned by the Indian government. Achieving the target of 100 GWe of nuclear power will require the creation of a strong, cohesive **Indian nuclear ecosystem**. Such an ecosystem must include all stakeholders from India and overseas, as in table below:

Government Agencies	Prospective Nuclear Operators	Nuclear Vendor / support base	Nuclear Technology
Regulatory Body (AERB)	Investors	EPC contractors & System Integrators	Gen-IV, SMR, MMR technology providers, Startups
DAE entities including NPCIL, BARC, IGCAR, NRB, HWB etc.	CEOs and Business heads for Nuclear Power	System / equipment suppliers for nuclear power plants	Nuclear fuel cycle providers
Ministries of Central & State Government	Engineering and technology Heads for Nuclear Power	Service providers and consultants	Academics and R&D Institutions
Compliance Authorities	Executive Managers	Manufacturing Companies, MSMES	Skill development Agencies in Nuclear Energy

India Nuclear Energy Forum 2026 aims to bring together all these stakeholders and initiate the creation of a **robust nuclear energy ecosystem in India.** The Forum will **feature keynote lectures, panel discussions and exhibition**.

The event will focus on the opportunities emerging after the SHANTI Bill, examine the challenges associated with its implementation, and deliberate on strategies to address these challenges to ensure the successful realization of India's nuclear power vision.

Session Themes

All sessions are covered under the following five core themes:

- **Guidance for New Nuclear Operators**

This session covers, legal, regulatory and compliance mechanisms to start nuclear power plants. Prospective private and public nuclear operators will be guided by government and regulatory authorities on licensing, and compliance requirements, on how to start nuclear power plants. Officials from ministry of power, department of atomic energy, atomic energy regulatory board, and other governments departments have been invited to the event. Participants from new prospective nuclear power plant operators from private and public sectors will be the beneficiaries of this session

- **Guidance for the Nuclear Supply Chain**

Guidance on quality requirements, business opportunities in Indian nuclear business, to manufacturers (including MSMEs), EPC contractors, system integrators, system/ equipment/ component suppliers, consultants and service providers to nuclear power plants and about upcoming business opportunities in nuclear power plants; quality assurance requirements; safety requirements to become a part of nuclear supply chain). In this session entities from dept of nuclear energy, NPCIL, ITER, and other prospective nuclear operators will describe their procurement requirements and policies. Entire supply chain of nuclear power ecosystem will get practical business insights.

- **Nuclear Technologies**

This session will cover advanced nuclear technologies, including large nuclear power reactors, Small Modular Reactors (SMRs), Micro Modular Reactors (MMRs), and the nuclear fuel cycle. Leading Indian and global reactor technology providers, nuclear fuel cycle organizations, and technology developers will showcase their solutions, innovations, and deployment strategies.

- **Human Capital Development**

Developing academic programs, skill development programs and training initiatives for nuclear energy growth. In this session, academic institutions and training and skill development organisations will deliberate on methods to develop academic programs to produce engineers and skilled technicians needed for nuclear energy growth.

- **Collaborative R&D and Innovation in Nuclear Energy**

Creating collaborative R&D framework for innovation, R&D and promotion of start-ups, in nuclear energy and industry-academia collaboration for R&D.

Who should attend Symposium?

Participation is open to executives from all stake holders of Nuclear Ecosystem.

- Government Departments, Compliance bodies & Regulatory Agency.
- Prospective Nuclear Power Plant operators. (Private & Public Sector)
- Nuclear Technology Companies (Including Large Nuclear reactors, Gen-IV, OEMs, SMR, & MMRs)
- EPC Contractors & System Integrators
- Suppliers of Systems / Equipment / Components to the Nuclear Power Sector
- Engineering & consultancy companies, service providers
- Academic and R&D Institutes
- Manufacturing companies

Forum covers multiple themes of importance **to create a robust nuclear ecosystem in India** as shown in the schematic below

Patrons

- Dr Anil Kakodkar (Former Chairman, Atomic Energy Commission, Govt of India)
- Prof Shireesh Kedare (Director IIT Bombay)

Convenors

- Dr. Arun Kumar Nayak (Dean research Somaiya Vidyavihar University, Former Head, NCPW, Department of Atomic Energy)
- Dr Shamasundar S (ProSIM R&D Pvt Ltd, India Energy Network)
- Prof Suneet Singh (IIT Bombay)
- Prof Venkatasailanathan Ramadesigan (IIT Bombay)

Organising Committee

- Mr. Kailash Agarwal (Former Director, NRG-BARC & Former Specialist, IAEA)
- Dr. Nagaraja R (CMD, Power R&D Consultants Pvt Ltd, Bengaluru; India Energy Network)
- Mr. Rama Mohan N (Former Executive Director, NPCIL)
- Dr. Samyak Munot (VP Indian Youth Nuclear Society Research Foundation)
- Mr. Thomas Mathew (Former Executive Director, NPCIL)
- Mr. Umesh Chandra (India Energy Network)

Advisory Committee

- Dr Alok Mishra (MD, Westinghouse, India)
- Mr Arnaud Lefevre (CEO, Dynatom, Switzerland)
- Mr Ashish Tandon (MD, Assystem India)
- Dr CP Kaushik (Sr Technical Advisor, Core Energy; Former Director of NRB, BARC)
- Dr Kallol Roy (Visiting Professor, IIT Madras; Former CMD, BHAVINI, Dept. of Atomic Energy)
- Dr Kalirajan S (MD, EDF, India)
- Mr Kishor U Agrawal (Executive Director, TENEX India; Joint Secretary, Indian Nuclear Society)
- Mr Mittal G D (Vice President, Indian Nuclear Society)
- Mr Navnit Nair (MD, Framatome India)
- Dr Nawal Prinja (Former Technical Director - Nuclear, JACOBS)
- Dr Nitendra Singh (IYNS Research Foundation)
- Mr Ranjay Sharan (Former Director – Projects, NPCIL)
- Mr Ujjwal Bhattacharya (CMD, STEAG India; Former Director – Projects, NTPC)
- Dr Venkataraman B (Former Director, IGCAR, Dept. of Atomic Energy)
- Mr Vijay Joshi (Director, Rosatom India)

REGISTRATION DETAILS

Payment Details	Early Bird (on or before 15th April 2026)	Regular (after 15th April 2026)
Indian Delegates	Rs 15,000 + GST = 17,700	Rs 20,000 + GST
Indian Academics	Rs 9,000 + GST = 10,620	Rs 12,000 + GST
Foreign Delegates	US $220	US $250
Foreign Academics	US $150	US $200

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EXHIBITOR OPTIONS & BENIFITS

Details	Premium Exhibitor	Standard Exhibitor	Poster Display
Regular (on/ before 15th April 2026)	Rs 300,000 + 18% GST (US $3500)	Rs 150,000 + 18% GST (US $1750)	Rs 50,000 + 18% GST (US $600)
Late fee (after 15th April 2026)	Rs 400,000 + 18% GST (US $4700)	Rs 200,000 + 18% GST (US $2350)	Rs 75,000 + 18% GST (US $900)
Brochure Distribution	✓	✓	✓
Add to Web Directory	✓	✓	✓
Complementary Membership of India Nuclear Energy Forum	✓	✓	—
Number of Delegates	3	2	1
Display of Logo in Website and Report	✓	✓	—
Half Color Page Ad in Souvenir	—	✓	—
Full Page Color Ad in Souvenir	✓	—	—
Panelist in Sessions*	✓	—	—
Display of Logo in Seminar Halls	✓	✓	—

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