



INDIA  
**ENERGY**  
FORUM

# NATIONAL CONFERENCE ON **POWER TRANSMISSION**

**Powering Viksit Bharat 2047:  
The Transmission Imperative**

29<sup>th</sup> May 2026  
Desire Hall, Hotel Le Meridien, New Delhi

Knowledge Partner



*Enabling Carbon Minimal World!*

# Background

India has articulated the vision of becoming a Viksit Bharat by 2047, which will require sustained economic growth supported by a robust and reliable energy system. The energy sector will play a critical role in enabling this transformation, with electricity expected to account for a significantly larger share of the country's energy mix, rising from about 22% of final energy consumption at present to around 40% by 2047 and nearly 60% by 2070.

India has also set a target of achieving over 500 GW of non-fossil fuel capacity by 2030, reflecting the rapid scale-up of renewable energy required to meet the country's growing electricity demand. Shares of non-fossil generation are expected to increase from 23% in 2025 to 80-85% in 2070.

India already operates one of the largest synchronous grids in the world, with over 5 lakh circuit kilometres of transmission lines and more than 1,400 GVA of transformation capacity. As per the National Electricity Plan, about 1.91 lakh circuit kilometres of transmission lines and 1,270 GVA of transformation capacity, along with 33 GW of HVDC links, are planned to be added during 2022–2032, increasing inter-regional transfer capacity from 119 GW to about 168 GW.

The transmission expansion plan provides visibility of investment opportunities exceeding ₹9.15 lakh crore by 2032, while also bringing into focus several challenges relating to system planning under increasing renewable penetration, timely project execution, supply chain readiness, technology adoption and mobilisation of long-term financing.

In this context, the India Energy Forum is organising the National Conference on Power Transmission on 29 May 2026 in New Delhi on the theme "Powering Viksit Bharat 2047: The Transmission Imperative." The conference will bring together policymakers, regulators, utilities, developers, financial institutions and technology providers to deliberate on key issues relating to the planning, development and financing of India's transmission system.

**The National Conference will deliberate on the following issues in three technical sessions:**

- Planning the Transmission System for Viksit Bharat 2047
- Delivering the Grid at Scale – Execution, Supply Chain and Technology
- Financing the Transmission Imperative

## ABOUT India Energy Forum

**India Energy Forum** is a unique, independent, non-profit research organization and represents energy sector as a whole. It was set up in February 2001 and formally inaugurated in January 2002. The mission of IEF is to help evolve a National Energy Policy aimed at development of a sustainable and competitive energy sector in India. It is, probably, the only organization which championed the cause of TOTAL ENERGY – all forms of energy ranging from Coal, Power – Thermal & Hydro, Oil & Gas, Nuclear and Renewable from the beginning of its function. This feature of its functioning gave a distinctive advantage of taking an integrated look on the energy scene. In fact, IEF did frame an Energy Policy document which became an input to the Planning Commission's Integrated Energy Policy brought out in August 2006. Its membership includes all the key players of the energy sector both from private and public and over 140 highly respected energy experts.

The Forum has an MOU with International Solar Alliance to promote the development solar power projects not only in India but throughout the world.

Every year it organizes its flagship events viz, National Conference on Power, Oil and Gas Conference, Renewable Energy Summit, National Conference on Coal and Nuclear Energy Conclave besides webinars which are organized almost every month.

It also organises "India Energy Debate" - a monthly discussion to debate the critical issues of India's energy sector.

It publishes a monthly e-journal TOTAL ENERGY which provides authentic information on the whole energy sector at one source. It also brings out DAILY ENERGY NEWS REPORT.

# Sponsorship Opportunities

Organizer will ensure full exposure to the sponsors. Flexible opportunities for sponsorship are available as per following details:

Sponsorship Privileges	Diamond	Gold	Silver
<b>Sponsorship Fee</b>	<b>Rs 5 Lakhs</b>	<b>Rs 3 Lakhs</b>	<b>Rs 2 Lakhs</b>
1. Free delegates at Conference	7	5	3
2. Speaker Slot	✓	X	X
3. Corporate logo on the Event Website	✓	✓	✓
4. Full page Color advt. in the Conference Souvenir	✓	✓	X
5. Acknowledgement at the Venue	✓	✓	✓
6. Promotional material in documentation pack	✓	✓	X
7. Prominent visibility through Co. Name and logo on The Sponsors panel	✓	✓	✓
8. Memento	✓	X	X

# Advertisement Opportunities

A Souvenir carrying Theme Paper of the Conference, Articles/Papers from Distinguished Speakers and other useful information shall be brought out on the occasion. The Souvenir will be released by the Chief Guest of the Conference. Souvenir shall be widely circulated among the various energy experts and policy makers. Some pages of the Souvenir are earmarked for advertisements.

## Advertisement Tariff

<b>Back Cover</b> <b>Rs. 1,00,000/-</b>	<b>Central Spread</b> <b>Rs. 1,00,000/-</b>	<b>Inside Front Cover</b> <b>Rs. 80,000/-</b>	<b>Inside Back Cover</b> <b>Rs. 60,000/-</b>	<b>Full Page (Colour)</b> <b>Rs. 50,000/-</b>
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GST of 18% will be extra on the Sponsorship and Advertisement Fee

## Special Incentives

Back Cover and Central Spread Advertisers will get two complementary delegates registrations for the **National Conference on Power Transmission** and other advertisers will get one complementary delegate registration.

## Technical Specifications

**Overall Size:** A-4      **Print Area:** 18 cm × 23 cm      • **Advertisement Material:** High Resolution PDF/CDR FILE

# Who Can Participate

Projects Developers	Government Policy-makers	Bankers and other Lenders	Energy Professionals
State Electricity Organisations	Equipment manufacturers & their Regulators Venders	Legal and Management Consultants	Other Intellectuals

# Invitation

We welcome you and your colleagues to the unique annual **National Conference on Power Transmission** to be held on **29<sup>th</sup> May 2026** in New Delhi. A nominal Registration fee of **Rs 5,000/- per delegate** will be charged. Two or more delegates from the same organization will be charged **Rs 4,000/- per delegate**.

# Organising Committee

- **Shri I S Jha**, Chairman, Transmission & Distribution Group, IEF; Former, CMD, PGCIL - Chairman
- **Dr Subir Sen**, Convenor, Transmission & Distribution Group, IEF; Former ED, PGCIL - Member
- **Shri Balawant Joshi**, Mg Director, Idam Infrastructure Pvt. Ltd. - Member

## Proposed Programme

09.30 hr - 10.00 hr Registration and Networking

10.00 hr - 11.00 hr Inaugural Session

**11.00 hr - 11.30 hr Tea Break**

**11.30 hr - 13.00 hr Session I: Planning the Transmission System for Viksit Bharat 2047**

**Topics to be covered in the session:**

- **Integrated Transmission Planning for High Renewable and Emerging Demand Centers**  
(Focus: Coordinated planning of generation, ISTS and InSTS; RE Zones, hydrogen hubs, industrial corridors and new demand hubs; Transmission Planning under uncertainty)
- **Evolution of the GNA Framework and its Implementation for Transmission Expansion**  
(Focus: Experience with GNA implementation; Access Certainty vs planning flexibility; Refinements required in the framework)
- **Balancing Transmission Expansion and Asset Utilisation**  
(Focus: Overbuild vs Congestion risk; Planning assets for low utilisation hours; New Technologies; Cost and tariff implications)

**13.00 hr - 14.00 hr Lunch Break**

**14.00 hr - 15.30 hr Session II: Delivering the Grid at Scale – Execution, Supply Chain and Technology**

**Topics to be covered in the session:**

- **Project Execution Challenges in Transmission Development – TBCB and regulated models**  
(Focus: Project delays and risk allocation; Contracting issues; Need for execution reforms)
- **Supply chain and Manufacturing Readiness for India's Transmission Expansion**  
(Focus: Transformers, GIS, HVDC equipment constraints; Import dependence vs domestic capability; Vendor ecosystem preparedness)
- **Technology Innovation for Faster, Reliable and Flexible Transmission System**  
(Focus: Technology in construction; HVDC and 1100kV/765kV corridors, FACTs, digital substations; Automation and monitoring technologies)

**15.30 hr - 17.00 hr Session III: Financing the Transmission Imperative**

**Topics to be covered in the session:**

- **Investment Requirements and Financing Challenges for Transmission in Viksit Bharat 2047**  
(Focus: Capital requirements estimate to build transmission to support- 500GW non-fossil based capacity by 2030; Electrification of Transport and industry; Green Hydrogen hubs; Data Centers and new load growth; Risk perception – long pay back periods, utilisation uncertainty, tariff impact on consumers; Financing constraints)
- **Monetisation of Transmission Assets and Role of InVITs**  
(Focus: Asset recycling models; InVIT experience and Opportunities; Investor participation)
- **Debt and Innovative Financing Instruments for transmission expansion**  
(Focus: Debt financing and challenges – Banks lend short-term than asset life, interest rate volatility, perceived regulatory risk; Innovative financing – Green bonds, blended finance, MDB financing; Pension and Sovereign wealth funds; Structuring long-term capital sources)

5.00 p.m. - 5.15 p.m. Summing Up & Recommendations

Vote of Thanks

For further enquires and registration, please contact:

**Shri S S Rawat, Head (Admn), IEF**

**India Energy Forum**

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