



23rd Annual Conference on

Organisers:

POWERLINE RenewableWatch

HYDRO POWER IN INDIA

January 21-22, 2026 | Le Méridien, New Delhi

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Hydro Power in India

MISSION

- India has pledged to achieve 500 GW of renewable energy capacity by 2030, and reach net-zero emissions by 2070. To achieve these ambitious targets, India's vast hydropower potential is being unlocked through policy reforms and private sector collaboration.
- Hydropower is a crucial part of India's renewables energy future, providing a steady source of clean baseload power. The installed large hydropower capacity currently stands at 49.6 GW, representing a share of 10 per cent of the total installed capacity as of July 2025. In terms of generation, hydropower (including small hydro) contributes to a share of over 10 per cent and is the leading renewable source in output. Hydropower has grown steadily over the years, with capacity additions of 1,900 MW (till July) in 2025-26 and 800 MW in 2024-25.
- Recognising the benefits of hydropower in improving system flexibility and project viability, several targeted reforms and supporting market mechanisms have been introduced. These include tariff¬-based competitive bidding guidelines for pumped storage projects, introduction of energy storage obligation and hydro renewable energy consumption obligation targets for designated consumers, and waivers of ISTS charges on the transmission of power. Further, budgetary support for enabling infrastructure and flood moderation, as well as accelerated clearances and exemptions for pumped storage projects, have been announced. At the state level, several state governments have announced proactive policies and institutional support for PSPs to attract private investments.
- As a well-proven mature technology, the segment is poised for significant growth. As of September 2025, more than 13 GW of large hydro projects and 12.1 GW of pumped storage projects are under active construction across various states and are expected to be commissioned by 2031-32. Another 67.9 GW of PSP capacity is under survey and investigation.
- That said, challenges that pose high project risks include complex site conditions, long development timelines and delayed approvals for land acquisition, and cost uncertainties during construction. They need to be addressed to accelerate the segment's growth.
- **The mission of this conference is to offer a platform for understanding the key issues, challenges, opportunities and outlook for the hydropower segment in India. It will also provide insight on the future trajectory and potential opportunities available for the hydropower segment in India. Moreover, the conference will showcase new technologies, best practices, experiences in project construction and O&M, and noteworthy projects.**

PREVIOUS PARTICIPANTS

ACME Cleantech, ACME Urja, AD Hydro, Adani Group, AFRY, Andritz Hydro, Anant Hydro, Aqua Machines, Aquagreen, Artelia, Bagla Group, BA Prerna, Bajaj Reinforcement LLP, B Fouress, Bauer Kompressor, BBMB, Bharat Heavy Electricals, Bosch Rexroth, Burckhardt Compression, Butwal Power, C&S, Carpi, CBMEW, CEA, Chemical Process Piping, Chenab Valley, Damodar Valley Corporation, Danfoss, DEIF, Demech Chemical, Dilip Buildcon, DMR Hydroengineering & Infrastructures, DRAIPL, Dragages Singapore Bouygues Construction, Dohwa Eng, Druk Green, Dynasoure Concrete Treatment, EDF, Electrosteel, Elara Capital, Entura Hydro Tasmania, Epiroc, Eptisa, Erhard Muhr, EY, Fitchner Consulting, Flovel Energy, Flow Science Software, Gall Zeidler Consultants, GE Power, GE Renewable Energy, Geppert Hydro, GMR Energy, Gogoal Hydro, Govt of Bihar (Bihar Vikas Mission), Grassdoor Logistics Technologies, Greenko Group, GSECL, GUVNL, Gurahan SHEP 1.5, GVK, Hewadwal Evrascon JV, High Commission of Canada, Hindustan Adhesives, Hindustan Construction Company, Hitachi Energy, Hunan Sund Technological, Hydac, ICRA, Indian Institute of Technology Roorkee, Inel Gas Control, Integrated Geoscience Solutions, IPM, IREDA, iValue Advisors, J Kumar Infraprojects, Jade Consult Nepal, Jaiprakash Power Ventures, Jash Engineering, Jeevan Ecotex, JKSPDCL, JMC Projects (India), Jindal Steel & Power, JSK Eng, Kedia Pipes, Kaleidoscope, KD Engineering Constructions & Consultancy, Kholongchu Hydro Power Project, Kosol Energie, Kundan Energy, Larsen & Toubro (L&T), LCC Engineering, LCC Projects, Lombardi, Loxus Consulting, Lucknow University, MAHAGENCO, Maharashtra Rail Infrastructure Development Corporation, Malana Power, MBCC Group, Mecon, Mecamidi, Megger, Megha Engineering and Infrastructures (MEIL), Mineral Exploration Corporation, MNR Construction Dehradun, Modern Institute of Engineering & Technology Jammu, Montanhydraulik, M&M Ropeways, Munich Re (Group), MYK Arment, Nakayama Iron Works, Navayuga Engineering Company, NCEC Industrial Services, NEEPCO, Nelumbo Technologies, Nepal National Committee, NHDC, NHPC, Nippon Koei, Northern Power Erectors, NTPC, NTPC Renewable Energy, Oracle, Orica Mining Services, Panchhor Hydro, Patel Engineering, Pashchim Hydro, PBL, PFC, Penetron, Power Machines, Preformed Windings, Rahee Infratech, Rastriya Prasaran Grid Company, Rathi Hydro, Realtime Automation, ReNew, RG Fluid Power, Rodic Consultant, Rohan & Co. IP Lawyers, Sammon Infracorp, Samsung C&T Corporation, Sanghvi Movers, Sarathy Geotech & Engineering Services, SBI, Shalimar Paints, Sharda University, Sika, Signet Teknicks, SK Infra, Soneji, Sri Krishna Engineering, State Engineering Services Government of Haryana, Steel Authority of India, Steelcraft, Sterling and Wilson, Sterlite Power, Suvera, Tata Power, Tata Projects, Tech Mahindra, The World Bank, THDC, Tirupati Enterprises, Toshiba & JSW Power Systems, Toshniwal, TPSC, Transformers & Rectifiers, Troyer, TSGENCO, TDPS, UJVNL, VAG Valves, Van Halteren Technologies, Varsha Vivek Jagtap, Venus Valves, Virtual Hydromet, VNM Hydrotek, Voith Hydro, WAPCOS, Water Resources Department, WEG Industries, Xylem Inc, Yaha Water, Yash Group, Yooil Infrastructure, etc.

AGENDA/STRUCTURE

KEY TRENDS AND OUTLOOK
- What have been the key trends in the hydropower segment?
- What is the role of hydropower and PSP projects in energy transition?
- What are the key issues and challenges? What is the future outlook?

GOVERNMENT'S PERSPECTIVE
- What is the perspective of the government on the hydropower segment?
- What are the steps being taken to expedite capacity addition?
- What is the outlook for the segment? What are the challenges?

CPSUS' PERSPECTIVE
- What are the views of CPSUs on the hydropower segment?
- What are the issues and concerns impacting the sector?
- What is the future outlook? What are the future plans and major projects underway?

PRIVATE DEVELOPERS' PERSPECTIVE
- What are the views of developers on the hydropower segment?
- What are the issues and concerns for the segment?
- What is the future outlook? What are the incentives needed to accelerate the segment's growth?

STATE INITIATIVES
- What is the status of hydropower development in hydro-rich states?
- What are the state initiatives being undertaken to promote hydropower?
- What are the projects in the pipeline? What are the key issues and concerns?

FINANCIERS' PERSPECTIVE
- What is the perspective of lenders on hydropower?
- What are the key issues and concerns? What steps are needed address project risks and improve investor confidence?
- What is the overall outlook for the segment in the next few years?

FOCUS ON PUMPED STORAGE HYDROPOWER
- What is the expected role of PSPs in meeting the net zero target?
- What are the key challenges for the segment?
- What is the outlook for the PSP segment?

COSTS AND TARIFFS
- What have been the recent trends in capex costs of hydropower projects and PSPs?
- What have been the trends in tariffs discovered?
- What is the cost and tariff outlook? What are the concerns?

INTEGRATED RENEWABLE ENERGY PROJECTS (IREP)
- What are the unique features of these projects that play a role in providing grid stability?
- What are the cost economics of IREPs?
- What are the future outlook and expected capacity addition in the segment?

O&M AND ASSET MANAGEMENT STRATEGIES
- What has been the operational performance of hydropower stations?
- What are the best practices for O&M and asset management?
- What are some of the new and advanced solutions to address O&M-related challenges?

FOCUS ON TECHNOLOGY: NEW AND EMERGING SOLUTIONS
- What are the key challenges involved in hydropower operation?
- What are the new innovations in hydropower plant technologies?
- What are some of the promising solutions and tools to address challenges?

REGIONAL COOPERATION & CROSS-BORDER PROJECTS
- What is the status of development of cross-border hydropower projects?
- What has been the experience so far?
- What is the outlook? What are the plans of developers?

DIGITAL TRANSFORMATION OF HEPs
- What are the most promising digital tools and solutions for hydropower plants in the Indian context?
- What are the various use cases for these solutions? What has been the trend in their uptake?
- What is the future outlook?

FLOATING SOLAR
- What has been the experience in developing floating solar PV plants?
- What are the biggest issues and challenges?
- What is the outlook?

TARGET AUDIENCE

- ❖ Central public units
- ❖ Interstate hydro projects
- ❖ Private power producers
- ❖ Cross-Border hydro projects
- ❖ Equipment manufacturers
- ❖ Technology providers
- ❖ Regulatory boards
- ❖ State electricity boards
- ❖ Civil work contractors
- ❖ State/Central government agencies
- ❖ Consultants
- ❖ Legal firms
- ❖ Financial institutions
- ❖ Etc.

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DELEGATE FEE

	Discounted fee (December 30, 2025)				Fee without discount (after December 30, 2025)			
Delegates	INR	GST@18%	Total INR	Total USD	INR	GST@18%	Total INR	Total USD
One delegate	20,000	3,600	23,600	280	25,000	4,500	29,500	350
Two delegates	32,000	5,760	37,760	440	40,000	7,200	47,200	550
Three delegates	44,000	7,920	51,920	600	55,000	9,900	64,900	750
Four delegates	56,000	10,080	66,080	760	70,000	12,600	82,600	950

There is a special low fee of Rs 7,000 per participant for state owned utilities, regulatory authorities, academic institutions and government agencies (not public sector corporate).

- There is a 20 per cent discount before December 30, 2025
- GST @18 per cent is applicable on the registration fee.
- Registration will be confirmed on the receipt of payment.

TERMS AND CONDITIONS

Payment Policy

- Full payment must be received prior to the conference. For discounted rates, the payment must be received on or before the discount expires.
- Substitution and name changes are welcome at no extra charge.

Disclaimer

- Indian Infrastructure shall assume no liability whatsoever in case the event is postponed or cancelled due to a fortuitous event or unforeseen occurrence that renders the performance of this conference impracticable, illegal or impossible. For purpose of this clause, a fortuitous event shall include, but not be limited to: war, fire, labour strike, extreme weather or other emergency.
- Please note that it may become necessary for reasons beyond the control of the organisers to make alterations to the content and timing of the programme or speakers.

ORGANISER

The conference is being organised by **India Infrastructure Publishing,** the leading provider of information on the infrastructure sectors. The company publishes the **Power Line, Indian Infrastructure** and **Renewable Watch** magazines. It also publishes a series of reports on the energy sector, including **Pumped Storage Projects in India, Floating Solar Projects in India, Hydropower in India, Power Transmission in India** and **Power Distribution in India.** Additionally, the company publishes the **Power Line Directory and Yearbook.**

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