



INDIAN POWER STATIONS O&M Conference

IPS 2026

13th to 15th February 2026

RAIPUR, CHHATTISGARH



THEME

Optimising Thermal Generation
with Quality & Reliability

ABOUT NTPC

NTPC Limited is India's largest integrated power utility, driving the nation's growth with reliable, and affordable energy for over five decades. Established in 1975, NTPC has evolved from a thermal power generator into a diversified energy major with a presence across the entire value chain from conventional and renewable generation to coal mining, power trading, e-mobility, & energy storage. With an installed capacity more than 85 GW & 32 GW under construction, NTPC powers every fourth light bulb in India while advancing the country's clean energy ambitions. The company is leading the charge toward a sustainable future, targeting 60 GW of renewable energy capacity by 2032 and NTPC is also actively investing in nuclear power, battery & pump storage, carbon capture and green molecules. As a key Maharatna company under the Ministry of Power, Government of India, NTPC stands for excellence in engineering, project management and O&M, with top focus on safety and sustainability. Our operations consistently deliver reliability and plant loading factor higher than national averages, reflecting our unwavering focus on performance and long term value creation. Beyond power generation, NTPC is committed to empowering communities, nurturing innovation, and building a resilient energy ecosystem that supports India's rapid economic growth and evolving energy landscape. With people at its core and sustainability at its heart, NTPC continues to energize India's progress responsibly and relentlessly.

THEME

Optimising Thermal Generation with Quality & Reliability

Thermal power generation continues to play a pivotal role in ensuring energy security, grid stability, and reliable electricity supply, especially in rapidly growing economies like India. Quality and reliability are the twin pillars of the thermal power generation. Quality in thermal generation is reflected in robust engineering & project management practices, adherence to technical standards, and consistent operational excellence across the entire lifecycle of a plant. Reliability, on the other hand, is achieved through predictive and condition-based maintenance, data-driven decision-making, and a strong focus on asset health management. The conference will delve into proven and emerging strategies for optimizing plant performance, reducing forced outages, improving heat rates, and extending plant life while meeting the evolving grid requirements. Sharing best practices, case studies, and innovative technological solutions will enable utilities, OEMs, policymakers, and researchers to collaboratively address operational challenges and unlock new opportunities for improvement. As India advances toward a sustainable, resilient and efficient energy future, the O&M Conference 2026 aims to serve as a knowledge-driven forum to unravel and showcase actionable strategies for optimising thermal generation with an uncompromising focus on quality and reliability.

SALIENT TOPICS

1. Flexible operations challenges and opportunities in coal-based power plants
2. Innovative O&M practices for coal-based power plants
3. Steam Generator & Aux. Systems: Challenges and mitigation measures in flexible operations
4. Steam Turbine & Aux. Systems: Challenges and mitigation measures in flexible operations
5. Safety aspects in Power Plants
6. Asset Management
7. Nuclear and Hydrogen: Pathway to Energy Transition
8. Water Management in Power Plant
9. Power Plant Chemistry
10. Generator & Electrical Systems
11. Control & Automation in Power Plants
12. Power Plant Efficiency
13. Climate Change & Environment Management
14. Fuel & Ash Management
15. Renewable Energy Integration & Battery Energy Storage System
16. Hydro and Gas-based Power Plants: Challenges and opportunities in flexible operations
17. Digitalization (AI/ML) in Power Plants
18. Policy advocacy and tariff regulations

IPS 2026 SCHEDULE

FRIDAY, FEBRUARY 13

- Inaugural Session • Technical Sessions • Exhibition (Techno Galaxy)

SATURDAY, FEBRUARY 14

- Technical Sessions • Exhibition (Techno Galaxy) • Concluding Session

SUNDAY, FEBRUARY 15

- Exhibition (Techno Galaxy) • Presentation by Exhibitors

HOTEL RESERVATION

Raipur offers a variety of options from luxurious hotels to budget ones. The cursory list of hotels has been provided at the conference website

<https://indianpowerstations.ntpc.co.in>

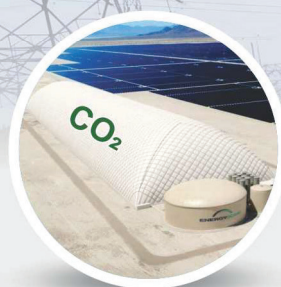
Delegates are advised to make reservation with hotels of their choice.

REGISTRATION

Delegates are required to pre-register on IPS website at

<https://indianpowerstations.ntpc.co.in> or on **NTPC O&M CONF** App





: VENUE :

Pandit Deendayal Upadhyay Auditorium

Near Science College, Great Eastern Road,
Raipur, Chhattisgarh-492010



NTPC Limited

(A Govt. of India Enterprise)

Leading the Power Sector



Nearest Airport
Raipur



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