

IPS 2025 Reinforces NTPC's Commitment to Sustainable Power Generation

NTPC Vindhyachal Bags 'Overall Champion' in Swarn Shakti and Business Excellence Awards

NTPC Ltd., India's largest integrated power utility, commenced its flagship event, the Indian Power Stations O&M Conference (IPS 2025) from 13th to 15th February 2025 at Raipur. The three-day conference, commemorating the synchronisation of the first unit of NTPC Singrauli, brought together power professionals to deliberate on the theme of "Reliable and Sustainable Generation, Asset Management, and Energy Transition".

environmental sustainability and closely monitor the performance of their environmental management systems.

Speaking on the occasion, Shri Ghanshyam Prasad, Chairperson, Central Electricity Authority (CEA) commended NTPC on reaching its 50th anniversary. "NTPC's comprehensive approach to energy transition is evident, including efforts to make thermal power cleaner through initiatives like CCUS," he said. He appreciated NTPC's focus on promoting vendor development, which will help resolve the constraint in supply chain.

Delivering the welcome address, Shri Gurdeep Singh, CMD, NTPC said, "As we gather for the Indian Power Station 2025, our focus must be on implementing time-bound programs for R&M of ageing power stations. Strengthening our existing infrastructure through innovative interventions will enhance our efficiency and reliability. With the evolving power grid and the dynamic

Addressing the inaugural function virtually, Shri Pankaj Agarwal, Secretary (Power), GoI said, "NTPC has set up a benchmark for operators of thermal power stations across the country. For the first time in history, we have maintained 50 million tonnes of coal stocks, with significant contribution by NTPC. As we look ahead, increasing challenges require us to rigorously review maintenance procedures and protocols and deeply analyse operational data." He further encouraged all utilities to prioritize



Shri Pankaj Agarwal, Secretary (Power), GoI addressing the inaugural ceremony of Indian Power Stations O&M Conference (IPS 2025) through virtual mode on 13th February, 2025



Shri Ghanshyam Prasad, Chairperson (CEA), Shri Gurdeep Singh, CMD, and Board of Directors of NTPC at the inaugural ceremony of IPS 2025



NTPC Vindhyachal receives Overall Champion (Winner) Award in NTPC Swarn Shakti Awards (2023-24) and Champion & Overall Excellence in Business Excellence Awards (2024-25)



NTPC Sipat receives Overall Champion (Runner-up) Award in NTPC Swarn Shakti Awards (2023-24)



NTPC Talcher Kaniha receives Overall Excellence in Business Excellence Awards (2024-25)

nature of the energy sector, it is imperative that we adapt and be more agile and experimental in our approach."

Shri Ravindra Kumar, Director (Operations) expressed gratitude on

behalf of the NTPC family to the luminaries and august gathering at the event.

Among others, Shri Jaikumar Srinivasan, Director (Finance), Shri Shivam Srivastava, Director (Fuel),

Shri K S Sundaram, Director (Projects), Shri A K Jadhli, Director (HR), Shri Piyush Singh, Joint Secretary (Thermal), Mrs Rashmita Jha, CVO and senior officials from MoP, CEA, CERC, NTPC, GENCOs and other companies were present.

On this occasion, NTPC Swarn Shakti Awards (2023-24) and NTPC Business Excellence Awards (2024-25) were also presented to projects and stations. Another key attraction of IPS 2025 is the Techno Galaxy Exhibition featuring cutting-edge technologies, Artificial Intelligence, Digitalisation and creative solutions from numerous vendors and manufacturers.



Dignitaries visiting Techno Galaxy Exhibition at IPS 2025

Quotes

Shri Pankaj Agarwal
Secretary (Power), GoI



IPS 2025 commemorates the synchronisation of 1st unit at Singrauli, a testament to NTPC's enduring commitment to excellence. NTPC's forward-thinking approach is exemplified by its foray into nuclear energy and they should go strong in this field. For the power demand in upcoming summer season, planned maintenance should be calibrated in such a manner so that units are fully available to meet the surging demands of power, especially in April and August.

Shri Ghanshyam Prasad
Chairperson, Central Electricity Authority (CEA)



I commend NTPC on reaching its 50th anniversary and its apt focus on reliable, sustainable asset management and energy transition. It's encouraging to see the international reach of IPS 2025, fostering innovation and problem-solving for the power sector. Even after 40 years of operation, NTPC Singrauli continues to deliver 100% PLF, setting an example of excellent O&M practices for all power plants in India and the world.

Shri Gurdeep Singh
CMD, NTPC Limited



We take immense pride in being a significant contributor to the nation's energy transformation. We have now elevated to a status where we generate as per the requirements of the grid and not as per the availability of our generating assets. Therefore, we have to look after the long-term integrity of our assets so that the life of the plant can be increased. Special focus should be on investing in training and development of young executives, to nurture the future power professionals.

Shri Ravindra Kumar
Director (Operations), NTPC Limited



IPS 2025 invites best minds from India and abroad to deliberate & brainstorm on Reliable & Sustainable Generation, Asset Management and Energy Transition. I am delighted to learn that, once again this year, the event has received an overwhelming response from both national and international professionals. The NTPC team has also compiled an e-compendium featuring abstracts of selected papers submitted by these experts. I am confident that this e-compendium will be highly valuable to all stakeholders in the power sector.

NTPC Swarn Shakti Awards (2023-2024)

• Over-all Champion (Winner) Award:	NTPC Vindhyachal
• Over-all Champion (Runner-up) Award:	NTPC Sipat
• Productivity Award (O&M):	NTPC Vindhyachal
• Safety (O&M) Award (Coal based more than 2000 MW):	NTPC Talcher Kaniha
• Safety (O&M) Award (Coal based less than 2000 MW):	NTPC Kanti
• Safety (O&M) Award (Gas Station):	NTPC Anta
• Safety Award (Project):	NTPC Barh
• Project Management Award:	NTPC Telangana
• Protection and Improvement of Environment Award:	NTPC Sipat
• Coal Mining (Operational) Award:	NTPC Pakri Barwadih
• Coal Mining (Developmental) Award:	NTPC Chhatti Bariatu
• RE Project Execution Award:	NGEL Ayodhya
• Human Resource Award:	NTPC Vindhyachal
• Rajbhasha Award:	NTPC Ramagundam

NTPC Business Excellence Awards (2024-25)

• Champion and Overall Excellence:	NTPC Vindhyachal
• Overall Excellence:	NTPC Talcher Kaniha
• Recognition for Continuous Improvement:	NTPC Sipat and NTPC Unchahar
• Recognition for Highest Delta Improvement:	NTPC Khargone
• Recognition for Best Debut Performance:	NTPC Lara and NTPC Gadawara

E-Compendium of Papers, 6 E-Books and VR Training Modules Released

IPS 2025, a premier platform for knowledge exchange in the power sector, witnessed the release of several publications aimed at enhancing industry expertise and power sector best practices. This edition of IPS 2025 received a total of 426 papers out of which 90 papers were short-listed for presentation at the conference, including papers from international organizations like EPRI, OEMs, IPPs, academic and research institutes.

E-compendium of the abstracts of selected papers was unveiled during the inaugural function of IPS 2025. The e-compendium encompasses innovative energy technologies, new industry insights, case studies and worldwide demonstrated best practices in line with the theme "Reliable & Sustainable Generation, Asset Management and Energy Transition". This extensive compilation will be highly valuable to all stakeholders in the energy sector.

e-Compendium

e-Books & Virtual Reality Training Modules

VR TRAINING MODULES ON RE, SAFETY AND COAL MINING

RE			SAFETY			MINING		
S.NO	NAME OF MODULE	S.NO	NAME OF MODULE	S.NO	NAME OF MODULE			
1.	Overview of Solar PV Project	1.	Fire Extinguisher Safety	1.	PTW HEMM			
2.	Isolation of Inverter	2.	Slip Trip Fall	2.	PTW Electrical Sub-station			
3.	Normalisation of Inverter	3.	Heavy Vehicle Safety	3.	Movement of Dumpers			
		4.	PPE Orientation	4.	Blasting Operation in Mines			

Besides, the event also witnessed the release of a set of six e-books and Virtual Reality (VR) Learning Modules. 'PRAYAS' - Learnings from Power Plant Emergencies, 'Empowering Reliability' - Overhauling service Manuals for 500 MW, 250 MW and 210 MW Turbo Generators, 'Aspire Achieve Sustain' - Recommendations in Control and Instrumentation domain are among the e-books released along with three Ready Reckoners prepared for CHP, Operation and Safety departments.

These e-books will help as reference for drawing, documentation, standard operation and maintenance procedures, protocols, safety framework etc. Further, the VR Learning Module provides immersive training experience based on real world simulation in areas of Safety, Coal Mining and Renewable Energy.

These publications underscore NTPC's dedication to innovation, reliability, and sustainability in power generation, ensuring continuous learning and excellence in the industry.