

PRESS RELEASE

For Immediate Use

POWERGRID Unveils India's First 315 MVA, 400/220/33 kV Synthetic Ester Oil-Filled Transformer at Bhiwadi Sub-station

Gurugram: Power Grid Corporation of India Limited (POWERGRID) a Maharatna PSU under Ministry of Power inaugurated nation's first 315 MVA, 400/220/33 kV synthetic ester oil-filled power transformer at its Bhiwadi Sub-station, marking a significant technological milestone in India's transmission sector. The facility was inaugurated by Dr. R.K. Tyagi, Chairman & Managing Director, in the presence of Shri G. Ravisankar, Director (Finance), Shri Naveen Srivastava, Director (Operations), Shri Burra Vamsi Rama Mohan, Director (Projects), Shri Naveen Kumar, Chief Vigilance Officer, Shri Shiv Tapasya Paswan, Independent Director, Shri Alok Sharma, Executive Director (NR-I), along with other senior executives from POWERGRID's Corporate Office.

The newly commissioned transformer employs synthetic ester insulating oil, a next-generation, biodegradable and fire-safe alternative to conventional mineral oil. With a capacity of 315 MVA, the transformer is designed to efficiently handle high load conditions while reducing environmental risk, aligning with global best practices in green transmission technologies.

As of 31st December 2025, POWERGRID has commissioned and is operating 287 Sub-Stations and more than 1,81,894 ckm transmission lines and 5,94,016 MVA of transformation capacity. With the adoption of the latest technological tools and techniques, enhanced use of automation and digital solutions, POWERGRID has been able to maintain an average transmission system availability of more than 99.84%.

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