

## Working Experience - Resumé Pankaj Kumar Gupta

Business Position Company Year of Birth Years in Industry Nationality: Phone: Email:

General Manager
NTPC Ltd
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NTPC has approx. 25% power contribution in India and having more than 150 coal fired units ranging from 110 MW to 800 MW. Total thermal installed capacity of NTPC is more than 60000MW and 20000MW under construction/under tendering.

Presently working as General Manager in Corporate Centre Engineering Division of NTPC Ltd and heading Energy Transition with Air pollution Control Department and also involved in firing of hydrogen/Methanol in Gas turbine. Graduated in Mechanical Engineering from IET Lucknow in 1990 and thereafter completed M Tech from I.I.T Delhi in 1991.

An Mechanical Engineering professional with more than 33 years experience in thermal power plants in the area of engineering and Operation & maintenance of Steam Generator& ESP. Out of which more than 25 years of experience in Engineering and design of subcritical, supercritical and ultra supercritical Steam generator & its auxiliaries, Electrostatic Precipitator (ESP) and other Environmental systems like FGD & De-NOx system. Involved in the preparation of tender documents for Steam generator, ESP Packages for the power plants ranging 200MW to 800MW. played key role in planning and implementation strategies of FGD and De-NOx system in NTPC. Primarily involved in all SCR/SNCR pilots test done in NTPC. Also having 5 years experience of Operation and Commissioning of thermal power plants specifically in Steam Generator area & ESP area.

Additionally, plays a key role in policy advocacy for various government bodies, including CEA, Niti Aayog, and MoEFCC, contributing expertise in areas such as carbon capture, storage, and utilization, the flexibilization of thermal power plants, and the finalization of NOx norms. Also, the team leader of NTPC team pioneering the development of Advanced Ultra Super Critical Technology being set up jointly by NTPC and BHEL.

Involved in R&M of ESP of various plants of NTPC. Adoption of Moving Electrode Electrostatic Precipitator (MEEP) in case of space constraint in Rihand Plant of NTPC and High Frequency Transformer Rectifier (HFTR) etc. to reduce SPM by doing R&M of ESP of old plants. Also ESP- electrode spacing increased from 300mm to 400mm in new plants.

Introduced Sensors in ESP in 1st field hopper to see the level contour. CFD modelling in place of physical modelling also tried for ESP.