

**➤ S S Mishra – General Manager / Head of
Department (Renewable Energy – Engg.),
NTPC Limited**

- Passionate Power professional with Electrical Engg background with more than 3 decades of experience in various areas of power sector, involving Thermal, Hydro, RE, RE integration.
- Developed Plant Electrical System design for Super Critical Technologies like 660MW/800MW, Large size Hydro projects, carrying out system study for load flow, voltage drop, transformer impedance selection design considering fault level studies at various voltage levels.
- Design of EHV Switchyard/substation up to 800KV involving various types of layouts based on various switching schemes double bus, one and half breaker, Double Main & Transfer, Double breaker etc.
- Transformers and other EHV equipment utility and design-Engineering.
- Currently holding the position of GM/ HOD (Renewable Energy – Engg.)
- Developed & contributed conceptual scheme for Utility Scale large size Solar Park - Anatapur (1500 MW), Pavagada (2000 MW), Nokh (1000 MW).
- RE-Solar project Design and Engineering-Energy Yield Assessment using PV Sol/ PVSyst Simulation Software , Design of Single line Diagram, Sizing and Selection of AC Cable and DC Cable, Solar PV Module, Transformer, Inverter, Evacuation Planning, Grid and Regulatory Compliance ,Civil Electrical Interface, RE integration and regulatory requirements

- Represented NTPC in various policy making/ technical standards formation by CEA, MOP and other independent organisations.
- Design and Engineering experience of more than 3 decades
- Chairman of Committee for Bureau of Indian Standards (BIS) ETD06 (Electrical Insulators and Accessories)
- Chairing ETD16 (Solar Inverter Transformer) – Formation of BIS Standard
- Nominated member for BIS's committee namely, Battery Storage,
- Represented NTPC in committee formed by Gol for greening of A&N Island – Instrumental in setting up of 50 MW Solar project with Battery Energy Storage System for integration of RE in a Mini Grid like Andaman & Nicobar.