



**Seminar
On
“Flexibilisation of Thermal Power Plants
Learning From German Experience”
01st December, 2017 at India Habitat Centre, New Delhi.**

Brief of NTPC Limited- The Main Sponsor of the Seminar



A Maharatna Company

NTPC – Energizing India's Growth

NTPC has established itself as power major with presence in the entire value chain of the power generation business. From fossil fuels it has forayed into generating electricity via hydro and renewable energy sources. This foray will play a major role in lowering its carbon footprint by reducing green house gas emissions. To strengthen its core business, NTPC is exploring new initiatives through consultancy, coal mining, co- firing using biomass and setting up Electric Vehicle charging infrastructure.

The total installed capacity of the company is 51,708 MW (including JVs) with 20 coal based, 7 gas based , 1 Hydro , 11 Solar PV , 1 Wind and 9 Joint Venture stations. The capacity will have a diversified fuel mix and by 2032, non fossil fuel based generation capacity shall make up nearly 30% of NTPC's portfolio. NTPC has been operating its plants at high efficiency levels. NTPC contributes 16% share in India's total installed capacity NTPC Group contributed 24% to All India generation during FY 17.

- Ranked No. 2 Independent Power Producer and Energy Trader Globally in the Platts Top 250 Global Energy Company Rankings, 2017.
- 12th largest Company in the world in terms of total installed capacity and 3rd in terms of coal based capacity.
- 7th largest Company in terms of generation, 2nd in terms of PLF and 3rd in terms of PAF in the world.
- Ranked 408th biggest public company in the world in the Forbes Global 2000, 2017 Ranking.

NTPC is encouraging innovation in generating cleaner energy, and is steadily adding to its green energy portfolio. Country's largest Floating Solar Park Unit, a 100kWp (kilowatt peak) at Kayamkulam in Kerela, has been set up by NTPC. The floating solar panels provide higher output due to lower ambient temperature prevailing on the surface of the water body. Not only does it limit the scope for evaporation from the water body, it actively generates green energy. NTPC reservoirs alone have the potential for floating solar capacity of 800MW or more.



NTPC's vision is "To be the World's Leading Power Company, Energizing India's Growth" and it continues to fuel India's economy with a mission statement to "Provide Reliable Power and Related Solutions in an Economical, Efficient and Environment friendly manner, driven by Innovation and Agility".

NTPC has been Partnering State Utilities under UDAY and the company has been entrusted by Govt. of India to handhold State GENCOs for improvement of Operational efficiency under UDAY. An institutional setup created to enhance operational efficiency of State GENCOs under UDAY Workshops conducted for State GENCOs in which best practices followed in NTPC power stations were shared

NTPC CSR is totally committed for Inclusive Growth. NTPC has been doing yeoman service in providing clean drinking water facility at 59 villages around NTPC stations in 2016-17. Deepening of ponds, water harvesting projects, construction of Ghats to improve water levels, Revival of Municipal Solid Waste Plant, Mechanized Sweeping, Collection and Transportation of Municipal Solid Waste (MSW) in Varanasi Setting up of Bio-methanation Plants are some of the key initiatives taken by NTPC towards community development.

Through Vocational training, skill up-gradation and income generation programs, NTPC has been undertaking livestock developments and crop management projects to enhance Income generation of the village community in and around its projects. NTPC has already Opened Jan Aushadhi stores at 12 NTPC stations and few more are expected shortly.

Its efforts towards clean and green India are exemplified by the fact that the company. NTPC as a responsible corporate citizen of India has Planted 10 million trees during 2016-17 with a total of 33 million trees planted so far.

For further details about NTPC, please visit NTPC website: <http://www.ntpc.co.in/en>

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