



UDAY in the perspective of Power Generators

Gurdeep Singh, CMD-NTPC



Imperatives for Generating Companies

- Generating Companies are expected to reduce the cost of generation of power which will lessen the burden on the DISCOMs.
 - Import Coal Substitution
 - Coal Linkage Rationalisation
 - Coal Swapping between less efficient and more efficient units
 - 3rd Party Sampling
 - Correction of Grade Slippage through Regradation of Mines

How did UDAY help us improve?



- Average Saving to Discoms from NTPC Coal based stations in 2016-17 is **₹ 0.26 / unit.**
(Net savings of over ₹ 5000 Crore)
 - Savings in NTPC Stations during FY 17 (Top 5 stations in terms of decrease)
 - Mauda – 113 p/kwh
 - Rihand – 57 p/kwh
 - Talcher Kaniha – 47 p/kwh
 - Sipat – 46 p/kwh
 - Unchahar – 36 p/kwh
- The gain due to re-gradation of mines is **3.2 p/kwh.**

- NTPC has organized two meetings and two workshops in which the best practices of NTPC were shared. They were attended by representatives from 14 states.
- Cross-functional teams will visit the State GENCOs and suggest measures required to be undertaken by them for improving their efficiency and reducing the cost of generation.
 - 30 stations spread across 12 states of India have been identified by state GENCOs for this purpose.
 - Visit to 14 stations completed as on date.

Handholding State GENCOs (State Specific)



- Coal Swapping Analysis has been carried out by NTPC Consultancy for the following stations.
 - Parichha and Panki (UPRUVNL)
 - Ropar (PSEB)
 - Kota, Chhabra, Kalisindh and Suratgarh (RVUNL)
 - Birsinghpur (MPSEB)
 - Panipat, Yamunanagar & Hissar (HPGCL)

Handholding State GENCOs (State Specific)

- **Rajasthan** has proposed for deployment of NTPC experts for conducting Operation Review.
 - In Chhabra, NTPC’s Consultancy group has helped improve PLF to over 80% with efficiency gains.
- **UP**- NTPC helped in stabilization of Anpara Plant.
- **Madhya Pradesh** – Helped improve the performance of Khandwa station.
- **Haryana** has requested NTPC help in ERP implementation, reducing Boiler Tube Leakages and guidance for efficient operation of its Chinese built plants.
- **Punjab** has requested NTPC to depute its expert team for guiding GGSSTP for improvement of plant performance and efficiency with reduction in costs.

Thank You

NTPC Limited

(A Government of India Enterprise)

www.ntpc.co.in