

PAT Implementation: Experiences and Strategies

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BEE vide MOP notification dated 30th March'12 has defined PAT I Net Heat Rate (NHR) targets for all DCs (Designated Consumers - NTPC coal and gas stations). Duration of PAT cycle I was 2012-15 (3 years). The PAT cycle I target was to be met in FY 2014-15. The energy savings certificate or ESCerts for PAT cycle I have been issued by MOP. Trading of ESCerts has taken place in the IEX. PAT Cycle II & Pat Cycle III is in progress. 2018-19 and 2019-20 are the evaluations years for PAT II & PAT III respectively. Implementation of PAT I and ESCerts trading have been an interesting journey for NTPC. Development and implementation of normalization scheme, implementation of various measures for heat rate and APC improvement, M&V audit by third party, initial teething troubles, no of ESCerts available and shortfall, low price of ESCerts traded, issues of coal sampling and analysis for NHR calculations and various measures taken / being taken for meeting PAT targets are some of the key aspects in the implementation process. The present paper aims at sharing NTPC's experience in its journey for PAT implementation and ESCerts trading.