

ENERGY SAVING CERTIFICATES

The Energy Saving Certificates (ESCCerts) are created under the Perform Achieve Trade (PAT) scheme of the Ministry of Power. The certificates are a market-based instrument designed for designated consumers (DCs) from energy intensive industries and sectors, who are given targets in every compliance period to reduce their specific energy consumption.

PERFORM, ACHIEVE & TRADE SCHEME

The scheme is an initiative under the National Mission on Enhanced Energy Efficiency.

THE PAT SCHEME AIMS AT REDUCING THE SPECIFIC ENERGY CONSUMPTION IN ENERGY INTENSIVE INDUSTRIES.

This is facilitated through the trading of ESCerts, which are issued to DCs that overachieve their targets. The plants that are underachievers of their targets are entitled to purchase ESCerts. Till now 6 PAT cycles have been announced and trade in PAT Cycle I has been completed. The 6 PAT cycles cover 1569 Designated Consumers (DCs) from 13 sectors. The PAT Cycle I covered 478 DCs from 8 intensive sectors.

PERFORM

- Specific energy reduction targets specified for each DC
- Energy efficiency measures to be adopted by all DCs
- Every DC to submit an implementation plan for achieving energy efficiency measures to BEE and State Designated Agency (SDA)

ACHIEVE

- DCs to appoint BEE empanelled accredited Energy Auditor
- Energy audit by accredited Energy Auditor
- Verification of specific energy consumption reduction target achieved by DC
- Submission of verification report
- Check-verification by BEE and SDA

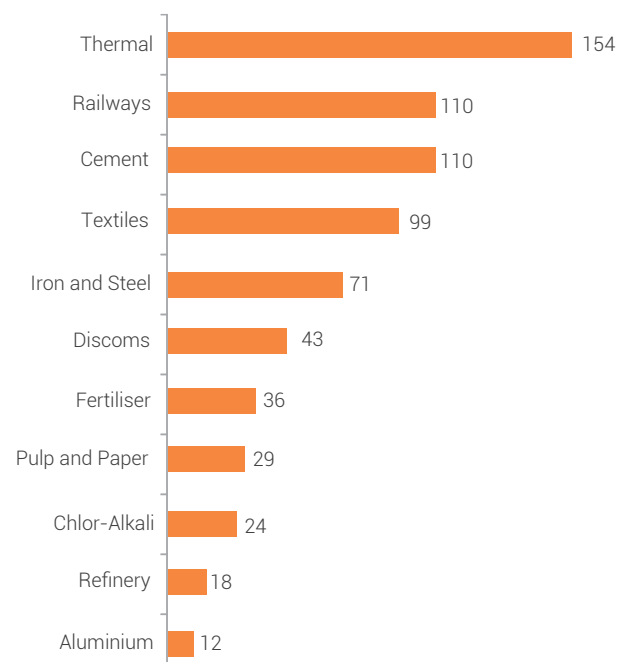
TRADE

- Issuance of ESCerts by central government on recommendation from BEE
- DCs over-achieving targets to be issued ESCerts
- DCs under-achieving targets to purchase ESCerts from the Exchanges for compliance

FEATURES

Issuing Agency	MoP on Recommendation of BEE
ESCCerts Denomination	1 ESCert = 1 MTOE (Metric Tonne of Oil Equivalent)
Trading Platform	Electricity Exchange only
PAT Cycle	3 Years
Trading Frequency	Once a week (every Tuesday)
Price Determination	Double-sided closed auction
Order Type	Single Bid
Penalty	As per the provision of EC Act (Linked with market value of oil equivalent)
Banking	Allowed for consecutive cycle
Compliance Period	One month post closure of trading sessions for a particular PAT cycle

PAT Cycle II : Sector wise DCs



KEY STATISTICS (PAT Cycle II)



11 SECTORS | 542 DCs
90% COMPLIANCE MET



165 MTOE ANNUAL
CONSUMPTION BY DCs



2.86 LAKHS ESCerts
TRADED



ENERGY SAVING ACHIEVED:
14.08 MTOE



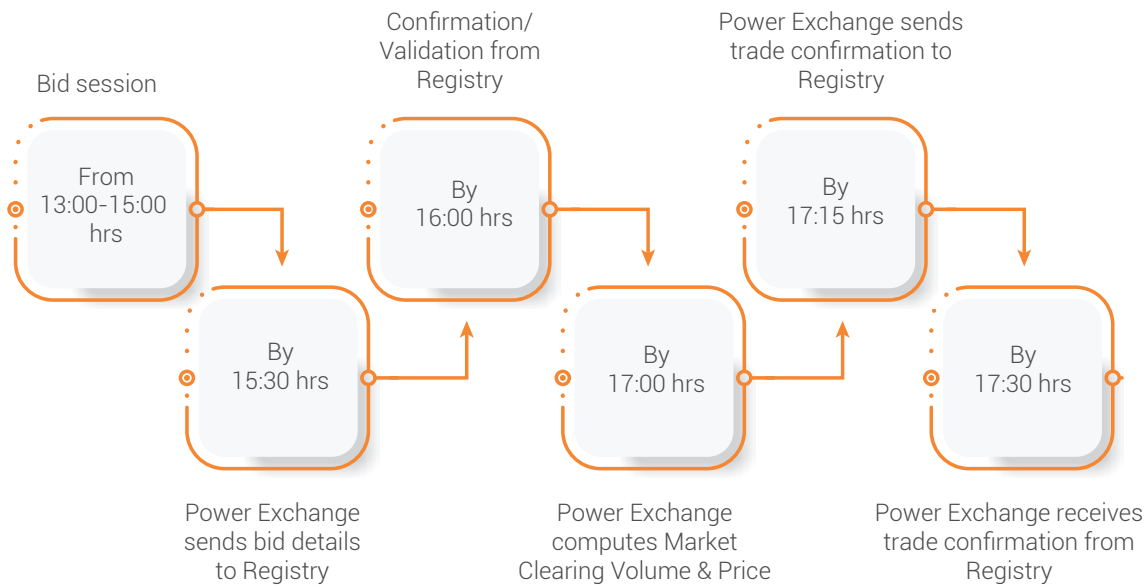
12.13 MTOE ENERGY
SAVING TARGET

FRAMEWORK

Trading on Power Exchanges



TIMELINE



Customer Value Proposition



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