



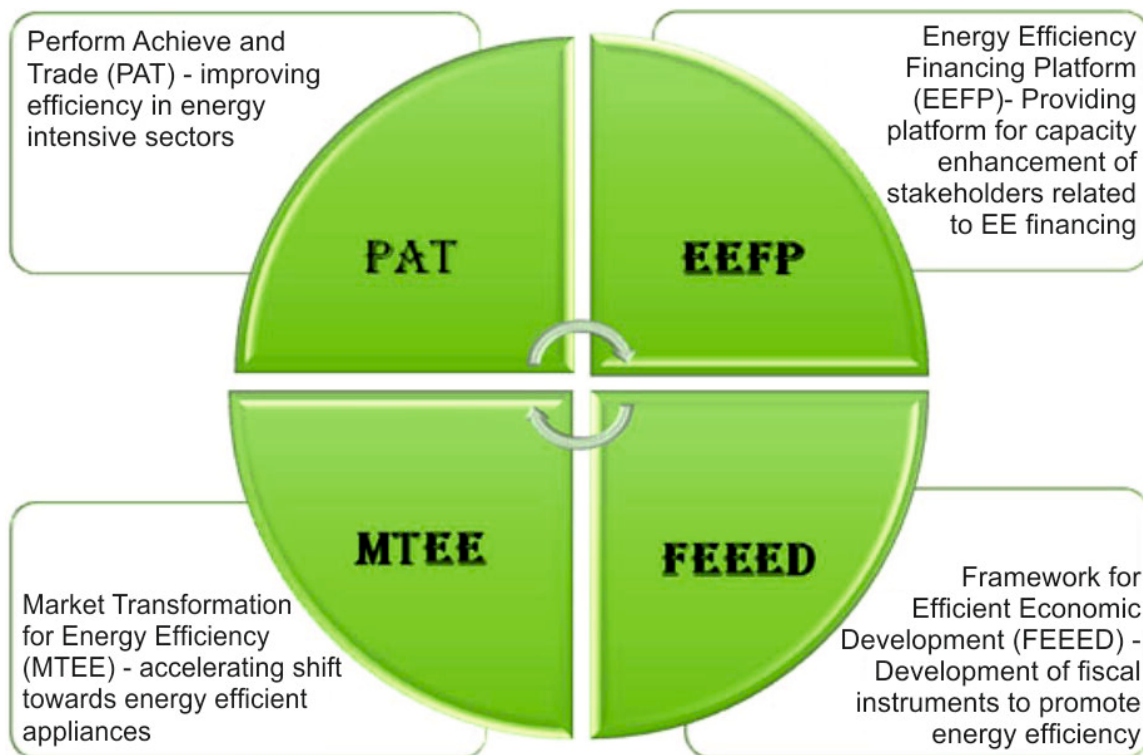
Smart Meter National Programme

Energy Efficiency Services Limited (EESL) has installed over 5 lakh smart meters in Uttar Pradesh, Delhi, Haryana, Bihar and Andhra Pradesh. These meters have been distributed under the Smart Meter National Programme (SMNP).

- EESL's Smart Meter National Programme (SMNP) is working to eventually **replace 25 crore conventional meters with smart meters** across India.
- The smart meters are installed as per guidelines issued by the Central Electricity Authority.
- Smart meters are part of the overall **Advanced Metering Infrastructure solution (AMI)** that measures and records consumers' electricity usage at different times of the day and sends this information to the energy supplier through GPRS technology.
 - This gives consumers better access to information and enables them to make more informed decisions on the use of electricity in their homes.
 - This can immediately **control the Aggregate Technical and Commercial (AT&C) losses**, due to power pilferage, bypassing meters, defective meters, or errors in meter reading.
 - Every kilowatt of power drawn from the grid is accounted for – and billed, thereby **reviving revenues of the distributing companies (discoms)**.
- The programme is expected to better **billing efficiency by 75 to 100%** while increasing the revenues of the utility companies to Rs. 1,38,100 crore.
- EESL recovers the cost of these meters through the monetisation of energy savings, resulting from enhanced billing accuracy, avoided meter reading costs and other efficiencies.

Energy Efficiency Services Limited

- Energy Efficiency Services Limited (EESL) is a **joint venture of four national Public-Sector Undertakings** – NTPC Limited, Power Finance Corporation Limited, Rural Electrification Corporation Limited and POWERGRID Corporation of India Limited, **under the Ministry of Power**.
- It was founded in the year **2009** by the Government of India.
- As South Asia's first and foremost energy efficiency leader, EESL leads the market-related activities of the **National Mission for Enhanced Energy Efficiency (NMEEE)**, one of the eight national missions under the Prime Minister's National Action Plan on Climate Change.
 - NMEEE consist of four initiatives to enhance energy efficiency in energy intensive industries which are as follows:



▪ EESL is **implementing the world's largest energy efficiency portfolio:**

- **Unnat Jyoti by Affordable LEDs for All (UJALA):** World's largest zero-subsidy domestic LED bulb programme
- **Street Lighting National Programme (SLNP):** World's largest street light replacement programme
- **Agriculture Demand Side management (AgDSM):** To reduce the energy intensity of agriculture pumping sector by carrying out efficiency up gradation of agricultural pump sets.

Source: HBL