



WEST BENGAL

aspirant

West Bengal has programmes for driving energy efficiency (EE) in all sectors, i.e. buildings, industry, municipalities, transport and DISCOMs, though these are primarily national schemes. The state could prioritise buildings, industry and DISCOMs for EE interventions. Additionally, the state could start tracking the effectiveness and impact of EE programmes using quantitative indicators such as energy intensity and penetration of EE technologies in each demand sector.

BUILDINGS

West Bengal notified ECBC in March 2016 but is yet to incorporate it in the municipal building bye-laws. In addition to EESL's UJALA programmes for LED bulbs and EE fans, the state has retrofitted buildings with EE lighting and appliances under the Building Energy Efficiency Programme (BEEP). The state has 309 registered green buildings. In terms of next steps, West Bengal could incorporate ECBC in municipal building bye-laws. The state could consider mandating energy audits for commercial buildings and provide financial incentives for audits and EE implementation in buildings. Additionally, the state could try to capture energy intensity (kWh/m²) and other crucial building energy data such as energy savings.



INDUSTRY

West Bengal works with BEE to enforce the PAT programme for Designated Consumers (DC). 50% DCs in the state met the Specific Energy Consumption (SEC) target for PAT Cycle I. The state could consider driving EE in non-PAT industrial units as well, starting with mandatory energy audits and financial incentives for EE projects. Additionally, the state could consider implementing specific EE projects and tracking energy intensity in select MSME clusters.



MUNICIPALITIES

West Bengal has implemented LED street lighting through EESL's SLNP scheme and other state programmes like LED Street lighting for Kolkata Municipal Corporation (KMC). The state could consider signing up for EESL's MEEP scheme for efficient water pumping. West Bengal could also consider setting an energy saving target and tracking the impact of EE programmes in the municipal sector.



TRANSPORT

In the first State EE Index the focus was on fuel efficiency of SRTCs and penetration of EVs. The state is in the middle tier when it comes to penetration of passenger EVs via the FAME scheme. West Bengal's SRTC is in the lower tier when it comes to fuel efficiency.



AGRICULTURE & DISCOM

West Bengal has high T&D losses, at 22%. The state is yet to notify Demand Side Management (DSM) Regulation. The top priority for DISCOMs should be reducing T&D losses.



West Bengal State Electricity Distribution Co. Ltd. (WBSEDCL) is the State Designated Agency (SDA).

WEST BENGAL
Scores in TPES Group 2
[33.2 of national TPES]

- Buildings
- Industry
- Municipalities
- Transport
- Agriculture & DISCOM
- Cross Sector

TPES - Total Primary Energy Supply

