

BIHAR

aspirant

Bihar 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 increased 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



Bihar is yet to notify ECBC and incorporate ECBC in municipal building bye-laws. The state has implemented EESL's UJALA programmes for LED bulbs and EE fans. Bihar has 14 registered green buildings. In terms of next steps, Bihar should notify ECBC and incorporate it 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, Bihar could try to capture energy intensity (kWh/m²) and other crucial building energy data such as energy savings.

INDUSTRY



Bihar works with BEE to enforce the PAT programme for Designated Consumers (DC). 33% 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



Bihar has implemented LED street lighting through EESL's SLNP and AJAY schemes. The state has implemented a demonstration project for EE drinking water pumps. Bihar could consider utilising EESL's MEEP scheme for EE water pumping. Additionally, the state could 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 efficiency of SRTCs and penetration of EVs. Bihar has conducted awareness programmes on fuel saving for SRTC personnel. The SRTC is in the top tier for energy intensity and in the lower tier for fuel efficiency when compared to other states. The penetration of passenger EVs via the FAME scheme is very low.

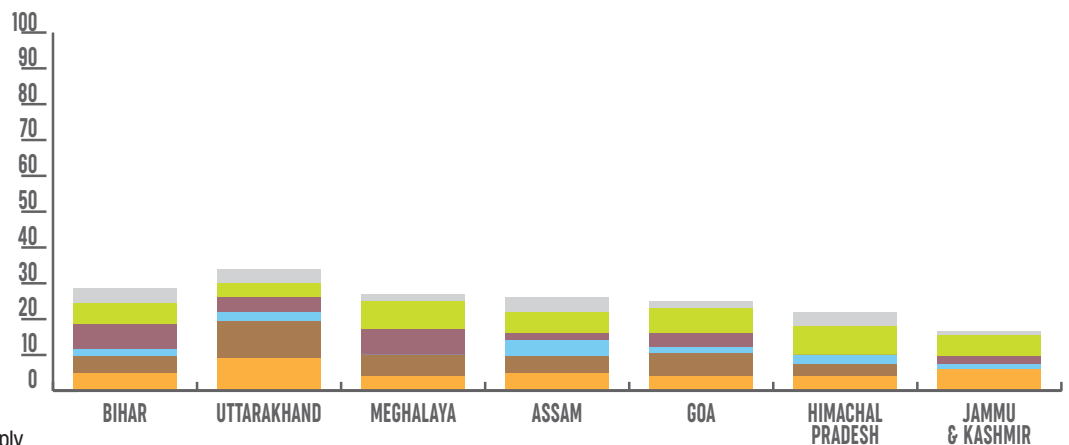
AGRICULTURE & DISCOM



Bihar has among the highest T&D losses of all states, at >40%. The state has notified Demand Side Management (DSM) regulation. The top priority for DISCOMs should be reducing T&D losses.

Bihar Renewable Energy Development Agency (BREDA), is the State Designated Agency (SDA). Though not a dedicated standalone SDA focussing entirely on energy efficiency, it has funds allocated for energy conservation and energy efficiency.

BIHAR
Scores in TPES Group 3
[5.4% of national TPES]



TPES - Total Primary Energy Supply