



GUJARAT

achiever

Gujarat has programmes for driving energy efficiency (EE) in all sectors, i.e. buildings, industry, municipalities, transport and DISCOMs. For the first Index Gujarat is among the top states in the transport sector. It could focus more on programmes for buildings and industry. 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

Gujarat is yet to notify ECBC and incorporate it in municipal building bye-laws. However, the state mandates energy audits for certain categories of buildings. In addition to EESL's UJALA programmes for LED bulbs and EE fans, the state has a LED village programme and additional subsidies for LED bulbs. Gujarat provides subsidy for Energy Audits under BEE's IGEA (Investment Grade Energy Audit) Scheme. The state has 297 registered green buildings. In terms of next steps, Gujarat should notify ECBC and incorporate it in municipal building bye-laws. Additionally, the state could try to capture energy intensity (kWh/m²) and other crucial building energy data such as energy savings.



INDUSTRY

Gujarat works with BEE to enforce the PAT programme for Designated Consumers (DC). 71% DCs in the state met the Specific Energy Consumption (SEC) target for PAT Cycle I. Gujarat is one of the few states that mandates energy audits for non-PAT industries as well, and the state provides subsidies for energy audit, as well as financial incentives for EE projects. Energy usage is tracked to some extent through mandatory audits; however, energy savings due to EE projects are yet to be captured in a comprehensive manner. The state could consider implementing specific EE projects and tracking energy intensity in select MSME clusters.



MUNICIPALITIES

Gujarat has implemented LED street lighting through EESL's SLNP scheme and other state programmes for municipalities and village panchayats. It has signed up for EESL's MEEP programme and has executed ESCO projects for energy efficient water pumping under BEE's MuDSM programme. The state could consider setting a target for energy saving, and tracking the impact of EE programmes in this 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. Gujarat is one of the few states that provides financial incentives for EVs. The state conducts awareness programmes on fuel saving for SRTC personnel, and its SRTC is one of the most fuel efficient.



AGRICULTURE & DISCOM

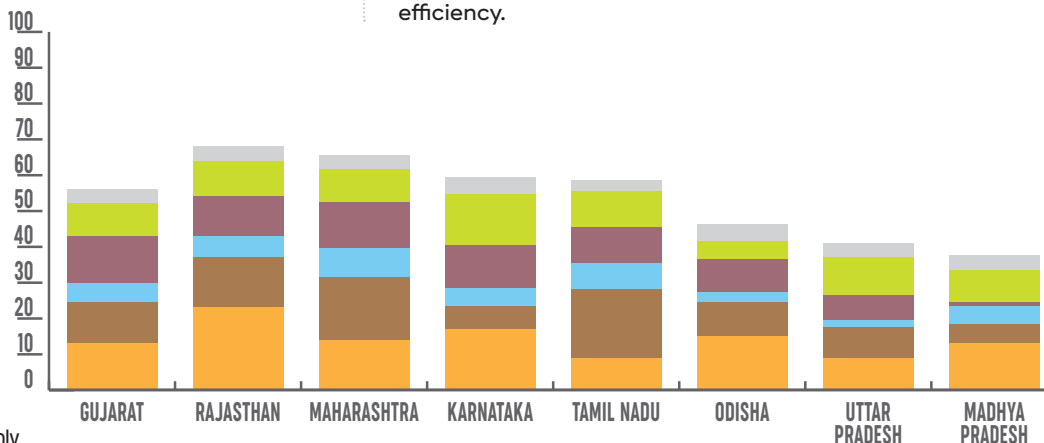
Gujarat's T&D losses are 19%, placing it in the middle tier among all states. The state has notified Demand Side Management (DSM) regulation. The state mandates the usage of EE star-rated pumps for agriculture and provides a subsidy for solar pumps. The state's DISCOMs have Time of Day (ToD) tariff structure. Reducing T&D losses further should be a priority.



Gujarat Energy Development Agency (GEDA) 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.

GUJARAT
Scores in TPES Group 1
[61% of national TPES]

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



TPES - Total Primary Energy Supply