

UTTARAKHAND

contender

Uttarakhand has programmes for driving energy efficiency (EE) in all sectors, i.e. buildings, industry, municipalities, transport and DISCOMs. While there's a fair number of measures towards driving EE in the industrial sector, the state could improve programmes for buildings, municipalities and DISCOMs. 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

Uttarakhand notified ECBC in August 2010, and has incorporated ECBC in municipal building bye-laws. The state does not have any regulation regarding mandatory energy audits for buildings; however, the State Designated Agency (SDA) has completed energy audits for a few government buildings. Uttarakhand has implemented EESL's UJALA programmes for LED bulbs and EE fans. The state has 26 registered green buildings. In terms of next steps, Uttarakhand could consider mandating energy audits for commercial buildings. The state could also try to capture energy intensity (kWh/m²) and other crucial building energy data such as energy savings.



INDUSTRY

Uttarakhand works with BEE to enforce the PAT programme for Designated Consumers (DC). 100% DCs in the state met the Specific Energy Consumption (SEC) target for PAT Cycle I. Uttarakhand's SDA is one of the few that has Revolving Investment Fund (RIF) mechanism for financing EE projects; and, the SDA used RIF to implement EE projects in 5 industries. The state could consider mandating energy audits for non-PAT industrial units as well. Energy usage and savings are tracked for PAT DCs and a few other units which have implemented EE measures; however, energy savings across the sector are yet to be captured in a comprehensive manner. Additionally, the state could consider implementing specific EE projects and tracking energy intensity in select MSME clusters.



MUNICIPALITIES

Uttarakhand has implemented LED street lighting through EESL's SLNP scheme. The state has signed up for EESL's MEEP programme for efficient water pumping; and has also installed efficient pumping systems under the state's MuDSM programme. Uttarakhand 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 fuel efficiency of SRTC's and penetration of EVs. The SRTC's fuel efficiency is in the middle tier when compared to other states. The state is in the middle tier when it comes to penetration of passenger EVs via the FAME scheme.



AGRICULTURE & DISCOM

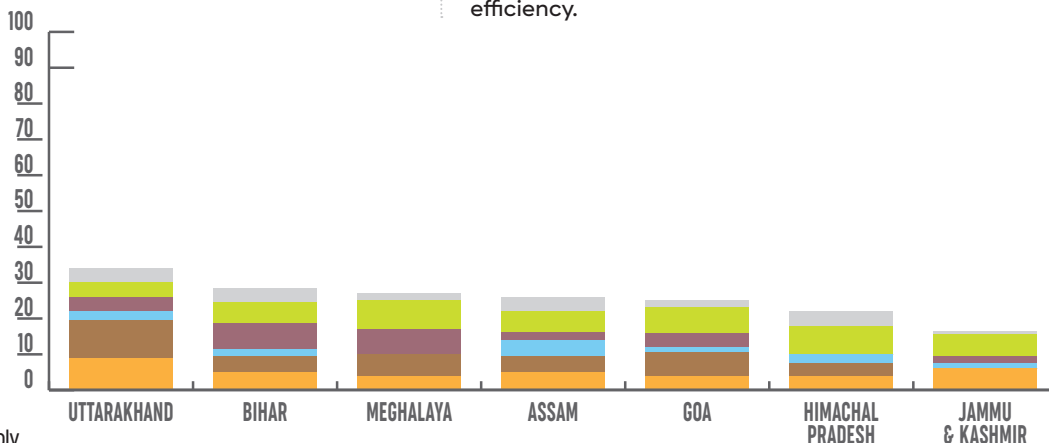
Uttarakhand's T&D losses are high, at >25%. The state is yet to notify Demand Side Management (DSM) regulation, and there are not many DISCOM-driven DSM programmes. Uttarakhand should focus on reducing the T&D losses.



Uttarakhand Renewable Energy Development Agency (UREDA), 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.

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

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



TPES - Total Primary Energy Supply