

# HARYANA

achiever

Haryana 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 building and industry sectors, the state could improve programmes for 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

Haryana notified ECBC in March 2016 and incorporated it in the municipal building bye-laws in March 2017. The state has implemented EESL's UJALA scheme for LED bulbs and fans, and also mandates use of LED bulbs in commercial and government buildings. The state also mandates the use of minimum 4-star rated appliances for buildings in the government sector, government aided sector and autonomous bodies of Haryana. Haryana mandates energy audits for certain category of buildings and provides subsidies for energy audits. The state has 364 registered green buildings. In terms of next steps, Haryana could try to capture energy intensity (kWh/m<sup>2</sup>) and other crucial building energy data such as energy savings..



## INDUSTRY

Haryana works with BEE to enforce the PAT programme for Designated Consumers (DC). 86% DCs in the state met the Specific Energy Consumption (SEC) target for PAT Cycle I. Haryana is one of the few states that mandates energy audits for non-PAT industries as well. 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. Additionally, the state could consider implementing specific EE projects and tracking energy intensity in select MSME clusters.



## MUNICIPALITIES

Haryana has implemented LED street lighting through EESL's SLNP scheme, and mandates the use of automatic switching systems for street lights. The state has signed up for EESL's MEEP programme for efficient water pumping, and also mandates the use of BEE 4-star rated pumps. The state could consider setting an energy saving target and tracking the impact of EE programmes.



## 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. Haryana's SRTC is in the middle tier when it comes to fuel efficiency.



## AGRICULTURE & DISCOM

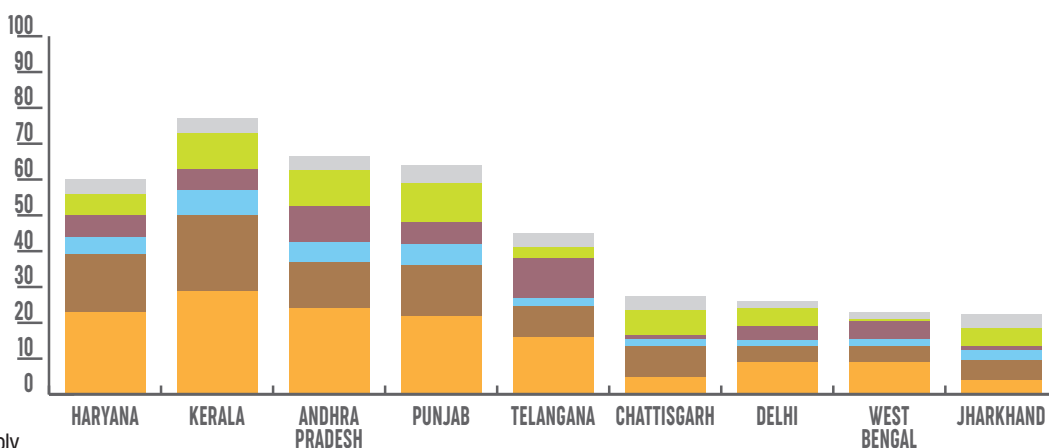
Haryana has among the highest T&D losses of all states, at >30%. The state has notified Demand Side Management (DSM) regulation. Haryana has a significant potential for reducing T&D losses.



Haryana Renewable Energy Development Agency (HAREDA) 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.

**HARYANA**  
Scores in TPES Group 2  
[33.2% of national TPES]

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



TPES - Total Primary Energy Supply