

Background Note for the workshop on:

DSM action plan for the state of TAMIL Nadu based on load research

Growth in electricity demand has outpaced supply in the state of Tamil Nadu leading to significant overall energy and peak shortages since past few years. The financial health of the erstwhile TNEB has also worsened and it is facing a huge challenge in meeting the ever increasing demand for power. Increasing supply is an option but inadequate capacity additions in the past and associated environmental and climate concerns makes energy efficiency/ Demand Side Management (DSM) as an important strategy to manage demand.

Given this context, The Energy and Resources Institute (TERI) undertook a detailed study to prepare a *DSM action plan for the state of Tamil Nadu based on load research* with support from Shakti Sustainable Energy Foundation. The study aims at understanding the load pattern of different categories of consumers and identified pertinent DSM interventions that would help in bringing down the overall energy requirement and peak demand of the state.

The study has analyzed category wise consumption patterns using hourly load data of selected sample feeders (feeders serving predominantly to a consumer category). Focused group discussions and interaction were also undertaken with various stakeholders including utility, state designated agency, regulatory commission, industrial organizations, farmer associations and consumer groups. Based on the analysis and key inputs from the stakeholders, a DSM action plan has been prepared for Tamil Nadu in which a multi stakeholder approach has been proposed.

To share the findings of the study and to solicit the feedback of the relevant stakeholders and experts, TERI is organizing a stakeholder workshop in Chennai. The discussions and deliberations during the workshop would be useful in finalizing the strategy for implementing DSM in the state.