

Indicative list of potential smart grid areas from India's perspective

- Grid Reliability
 - Effective and efficient integration of renewables
 - Quality and consistency of electricity supply and services
 - Deployment of mini and micro-grids
 - Advanced Meter Infrastructure including smart meter roll out; interoperability of local applications; reliability and control of backend and remote programming and automatic updating of devices
 - Minimization of transmission and distribution losses and theft management
- Grid Security
 - Cyber security and maintaining grid integrity
 - Data analytics and AI
 - Peak Load Management
 - Real time monitoring and Outage management
- EV Ecosystem Development
 - Battery technology development
 - Charging infrastructure development including fast charging
 - Standardization of infrastructure including protocol management
 - Efficient vehicles to grids network development
- Other
 - Green buildings
 - Distributed generation integration and management