

India's Smart City Mission

- In the year 2015, GOI announced development of 100 smart cities in the country.
- The Union Ministry of Urban Development is responsible for implementing the mission in collaboration with the state governments of the respective cities.
- Project duration was kept as 5 years
- Selection of cities was based on all India Competition
- Three models of development:
 - ✓ Retrofitting
 - ✓ Redevelopment
 - ✓ Greenfield
- Mandatory criteria for all models include water recycling, atleast 10% of power requirement to be met from solar, solid waste management, sustainable environment, health & education etc.
- For greenfield model, atleast 80% of the buildings should be energy efficient buildings.

Smart city Mission – Tamil Nadu State

- TUFIDCO is the Mission Directorate for implementation of Smart Cities Mission in Tamil Nadu.
- **11 cities** have been selected in Tamil Nadu to be developed as ‘Smart Cities’. The selected Smart Cities are **Chennai, Coimbatore, Madurai, Thanjavur, Salem, Vellore, Tiruppur, Thoothukudi, Tirunelveli, Tiruchirappalli and Erode.**
- In Chennai, out of 42 projects 19 have been completed. In Coimbatore 35 out of 73, Tiruppur, out of 24 projects, none, Erode 2 out of 19, Vellore 3 out of 30, Salem 14 out of 48, Madurai 1 out of 16, Trichy 1 out of 18, Thanjavur 3 out of 29, Tirunelveli 4 out of 27, and Thoothukudi 14 out of 40.
- Support from both Government of India and Tamil Nadu is available.

Areas of Opportunities in Tamil Nadu

Technology	Areas
Electronic Vehicles:	Manufacturing, transportation, charging infra. etc.
Waste to Energy:	CBG Production, desulfurization equipments, gas engines and turbines etc.
Solar Power Generation:	Solar Power generation
Round the Clock Power (RTC)/ Hybrid (RE):	Solar/Wind coupled with Battery Storage/pumped storage
Solar Component Manufacturing:	Solar module / Cell / Ingots / silicon manufacturing

Areas of Opportunities in Tamil Nadu

(Contd./-)

- Tamil Nadu state has planned for:
 1. Development of 20000 MW of Solar PV Projects with battery storage
 2. Development of 3000 MW of Pumped Storage hydro electric project
 3. Development of 2000 MW Gas based energy efficient

- Contact Points to initiate discussion:
 1. TANGEDCO Officials
 2. Chief Minister's Window

IREDA- TANGEDCO Collaboration

1. IREDA has financed more than 1 GW of RE Capacity having concession agreements with TANGEDCO.
2. IREDA Provides short-term loan assistances to TANGEDCO
3. IREDA and TANGEDCO have entered into an agreement for following:
 - Assistance in Market assessment
 - Assessment support in Project Development
 - Assistance in Bid Process Management
 - Implementation Support