

### Pilot Projects

#### 1. IIT Kanpur Smart City Pilot

- Closure report submitted. Project completed in March 2018
- All meters and DCUs installed
- Storage batteries & grid connected inverters installed in 4 houses
- Solar PVs installation for 19 households completed
- Area – Smart City Pilot in IITK Campus
- Approved Project Cost: ₹12.5 Cr. Gol Support: ₹6.25 Cr. Released: ₹4.69 Cr.

#### 2. CESC, Mysore

- 19,369 smart meters & 110 modems communicating.
- 20,916 smart meters, 617 DCUs, 445 TMUs, 44 FPIs, 134 HT modems and 5 RTUs installed.
- Functionalities – AMI, OMS, PLM, MG/DG
- Consumers – 21,824
- Area – V V Mohalla, Mysore
- Consultant – POWERGRID
- SGIA – M/s Enzen. Awarded in Mar 2014
- Evaluated Project Cost: ₹32.56 Cr. Gol Support: ₹16.28 Cr. Released: ₹13.02 Cr.

#### 3. UHBVN, Haryana

- Dashboard development in progress
- 10,030 smart meters and 67 DCUs installed
- Functionalities – AMI, PLM, OMS
- Consumers – 10,030
- Area – Panipat City Sub Division
- Project is being implemented under grant from NEDO (Japan) by M/s Fuji Electric & Co., Japan.
- Approved Project Cost: ₹35.94 Cr. Gol Support: ₹0 Cr.

#### 4. HPSEB, Himachal Pradesh

- Fine tuning of data in progress. Site availability test shall be taken up
- 1,335 smart meters, 30 FPIs and 21 TMUs installed.
- Functionalities – AMI, OMS, PLM
- Consumers – 1,335
- Area – Kala Amb Industrial Area
- Consultant – POWERGRID
- SGIA – M/s GE T&D. Awarded in Feb 2015
- Evaluated Project Cost: ₹19.45 Cr. Gol Support: ₹9.73 Cr. Released: ₹7.776 Cr.

#### 5. Smart Grid Knowledge Center, Manesar

- AMI, OMS and Smart Home installation completed
- Micro Grid / RE Lab under implementation
- Functionalities: AMI, OMS, MG/DG, EV with

Charging Infra, HEMS, Cyber Security & Training Infra

- Area – POWERGRID Complex, Manesar
- SGIA – M/s Genus (AMI), Cyient (OMS)
- Awarded Project Cost: ₹5.83 Cr. Gol Support: ₹5.83 Cr. Released: ₹4.67 Cr.

#### 6. UGVCL, Gujarat

- 16,000 single phase meters and 55 DCUs installed. 2000 meters communicating to data center
- Functionalities – AMI, OMS, PLM, PQ
- Consumers – 22,230
- Area – Naroda
- SGIA – M/s Genus. Awarded in Jun 2017
- Approved Project Cost: ₹23.18 Cr. Gol Support: ₹11.59 Cr. Released: 2.89 Cr.

#### 7. TSECL, Tripura

- 19,722 meters and 180 DCUs installed.
- Billing of 6,700 consumers done with smart meter data
- Acceptance testing of applications under progress.
- Functionalities – AMI, PLM
- Consumers – 45,290
- Area – Electrical Division No.1, Agartala
- Consultant – POWERGRID
- SGIA – M/s Wipro. Awarded in Sep 2015
- Approved Project Cost: ₹63.43 Cr. Gol Support: ₹31.72 Cr. Released: ₹14.10 Cr.

#### 8. APDCL, Assam

- 13,691 smart meters and 155 DCUs installed.
- 6910 meters communicating to Control Center.
- Functionalities – AMI, PLM, OMS, PQ, DG
- Consumers – 15,083
- Area – Guwahati Division
- Consultant – MEDHAJ
- SGIA – M/s Fluentgrid. Awarded in Mar 2015
- Evaluated Project Cost: ₹20.92 Cr. Gol Support: ₹10.46 Cr. Released: ₹5.23 Cr.

#### 9. PED, Puducherry

- 16770 smart meters and 92 DCUs installed
- All remaining equipment arrived
- Functionalities – AMI
- Consumers – 34,000
- Area – Division 1 of Puducherry
- Consultant – POWERGRID
- SGIA – M/s DFE, China. Awarded in May 2016
- Evaluated Project Cost: ₹35.53 Cr. Gol Support: ₹17.76 Cr. Released: ₹8.88 Cr.

#### 10. WBSEDCL, West Bengal

# National Smart Grid Mission, Ministry of Power, Govt. of India

## Status of Smart Grid Pilots & NSGM Smart Grid Projects – June 2018

- 5000 meters and 26 DCU installed
- Functionalities – AMI, PLM
- Consumers – 5,265
- Area – Siliguri Town
- Consultant – POWERGRID
- SGIA – M/s Chemtrols. Awarded in Jun 2015
- Control Centre Hardware installed, network configuration in progress.
- Approved Project Cost: ₹7.03 Cr. Gol Support: ₹3.52 Cr. Released: ₹0.88 Cr.

### 11. TSSPDCL, Telangana

- Installed 1600 1-ph smart meters. Dispatch instruction issued for 3000 1-ph meters & 2000 meters are under inspection
- Type testing of 1-ph smart meters completed at CPRI Bangalore. Further testing to be carried out at CPRI, Bhopal
- 37 RMUs installed and dispatch instruction issued for CC hardware & software

- Functionalities – AMI, PLM, OMS, PQ
- Consumers – 11,906
- Area – Jeedimetla Industrial Area
- Consultant – CPRI
- SGIA – M/s ECIL. Awarded in Oct 2015
- Evaluated Project Cost: ₹34.93 Cr. Gol Support: ₹17.47 Cr. Released: ₹4.37 Cr.

### 12. PSPCL, Punjab

- Bids under evaluation for smart meter tender
- MDM development in progress by M/s Analogics Tech
- Functionalities – AMI, PLM
- Consumers – 2,737
- Area – Tech-II Sub-division, SAS Nagar
- Consultant – POWERGRID
- PSPCL implementing on its own
- Evaluated Project Cost: ₹7.16 Cr. Gol Support: ₹3.58 Cr. Released: ₹0.90 Cr.

## NSGM Projects

### 13. CED, Chandigarh

- Approval under process for placing award of AMI and SCADA tenders
- Retendered in Dec 2017 for AMI and SCADA.
- Adopted Functionalities – AMI, DTMU, SCADA
- Consumers – 29,433
- Area – Sub Division 5 of Chandigarh
- RECPDCL appointed as Project Management Agency.
- Project approved by Empowered Committee of NSGM on 29.03.2016.
- Approved Project Cost: ₹28.58 Cr. Gol Support: ₹8.6 Cr. Released: ₹0.87 Cr.

### 14. Amravati, MSEDCL, Maharashtra

- Bids opened on 3<sup>rd</sup> May 2018. Technical evaluation in progress
- Adopted Functionalities – AMI, OMS, DR
- Consumers – 1.48 Lakh
- Area – Amravati Town of Maharashtra
- Project approved by Empowered Committee of NSGM on 29.03.2016.
- Approved Project Cost: ₹90.05 Cr. Gol Support: ₹27.02 Cr. Released: ₹2.7 Cr.

### 15. Congress Nagar, MSEDCL, Maharashtra

- Bids opened on 3<sup>rd</sup> May 2018. Technical evaluation under progress
- Adopted Functionalities – AMI, SCADA, OMS, DR
- Consumers – 1.25 Lakh
- Area – Congress Nagar Division (Nagpur)
- Project approved by Empowered Committee of NSGM on 27.10.2016.
- Approved Project Cost: ₹139.15 Cr. Gol Support: ₹41.74 Cr.