

SMART GRID PILOT PROJECT, PUDUCHERRY-DECEMBER 2018.

Approved areas for the implementation of the Smart Grid Pilot Project	:	Town -I Sub-Division comprising of Town South, Town Central, Town South Central and Town North O&NM sections
Approved cost	:	Rs. 46.11 Crores - Revised cost Rs. 33.83 Crs.
Consultants	:	M/s POWERGRID INDIA Ltd.,
Smart Grid Implementing Agency (IA)	:	M/s Dongfang Electronics Co. Ltd.,
Total Quoted cost by IA	:	Rs. 43.91 Crores
Revised project cost	:	Rs. 33.83.Crores +Rs.2.74 Crores for maintenance
Date of Award of work	:	23.05.2016
Date of signing of Agreement	:	06.07.2016
Original Project Completion schedule	:	November 2017
Revised Project Completion schedule	:	March 2019
Expected date of completion	:	December 2018
Expenditure incurred so far on Consultancy to M/s PGCIL	:	Rs. 21 Lakhs
Expenditure incurred so far on IA	:	Rs. 8.88 Crores
Amount released by MoP as 1 st & 2 nd installment	:	Rs. 8.88 Crores
Balance available	:	Nil.
Third installment of MoP funds	:	UC submitted - release of Rs 5.32 Crs., awaited

Funding Pattern: 50% of the project cost to be met as Grant from the Ministry of Power, GoI. and the remaining 50% to be funded through State Budget. State's share of the project is now funded by the Implementing Agency and shall be repaid in 60 equated monthly installments on completion of the project.

BREAKUP OF QUOTED COST

NSGM Cost Evaluation		
Sl. No.	Description	Amount (in Rs.)
A	Cost of Supply as approved	32,51,72,283
B	Cost of Installation & Training as approved	1,32,21,044
C	Total Project cost (A+B)	33,83,93,327
D	PMC @ 5% of C	1,69,19,666
E	MoP share of the project cost (50% of C + 50% D)	17,76,56,497
F	State Government share of the project (50% of C) (M/s PGCIL, the Consultants have agreed to	16,91,96,664

	forego the consultancy charges payable by the State Government)	
G	Maintenance cost for a period of 5 years (To be borne by the State Government)	2,74,63,791
H	State Government's commitments towards the project	19, 66,60,455

Brief chronological History of the Project:

The Smart Grid Pilot Project for Puducherry was approved in August 2012, at cost of Rs. 46.11 Crores.

February 2012, M/s PGCIL approached the Puducherry Government to undertake the project and to invest the 50% share of the State Government on behalf of the Government of Puducherry.

March 2012, A Memorandum of Understanding was signed between M/s PGCIL and the Government of Puducherry wherein M/s PGCIL would implement the Pilot Project in Puducherry without any cost implication to the Government of Puducherry.

October 2012, a temporary Smart Grid Control Centre was set up at the Main Office of the Electricity Department.

September 2013, contrary to the MoU, M/s PGCIL expressed its inability to invest in the project.

October 2013, the Department sought the help of Government of Puducherry to agree to fund 50% of the State Share of the project. The proposal was rejected by the Government due to fund constraints.

April 2014, during a review meeting the Joint Secretary, Ministry of Power requested the Chief Secretary Government of Puducherry, to expedite decision on completing the project.

April, 2015, the Government of Puducherry approved the implementation of the Project through an Investor to be selected through e-tendering and approved retaining M/s PGCIL as Consultants.

June 2015, e-tenders were floated to select the Investor cum Implementing Agency.

May 2016, M/s Dongfang Electronics Company Limited was selected by the Tender Evaluation Committee headed by the Secretary to Government (Power) as the Investor cum Implementing Agency and the work was awarded on 23.05.2016

July 2016, the Contract Agreement to execute the project was signed between M/s Dongfang Electronics Company Limited and the Government of Puducherry.

December, 2017 the 1st Milestone was completed and the 1st installment of Rs. 4.44 Crores being the Mop share of the Project was released in January 2017

June 2017, BIS Certification for meters were received

September 2017, FAT of meters and DCU were successfully completed

June 2018, all Hardware and software as per BoQ have been received and Control Centre Equipment installed tested and commissioned.

August 2018, was the planned date for completion of the Project. Due to unexpected opposition to the implementation of the Project from the public against the installation of smart meters, field work has been disturbed. The matter has been referred to the Hon'ble Speaker through the Public Accounts Committee and the Estimates Committee. Pending decision of the Hon'ble Speaker, installation of around 5000 meters have been kept in abeyance and the remaining quantity of meters have been installed except where the consumer premises is not available for installation of meters due to door lock or the service connection being under disconnected state.

December 2018, the project is to be completed and the functionalities tested by 24th of December 2018 and the final quantity of MoP share of the project would be claimed.

PRESENT STATUS

- All Hardware and Software required for the project received
- Installation of 300 DCUs and around 26,500 meters completed.
- Control Center equipment installed and tested and functional.
- All software related to AMI & PLM installed and tested.
- 7000 consumer meters, are reporting to the CC as on 15.12.2018 and the system is planned to be tested with 10,000 meters on 22nd and 23rd of December 2018, the remaining quantity of meters will be integrated thereafter.
- 5000 meters removed from scope of work due to issue related to public resistance in some areas.
- Fine tuning of the Control Centre software in progress

EXPENDITURE INCURRED

- Rs 4.44 Cr. received from MoP as Grant on completion of the 1st milestone as per guidelines as per sanction letter dated 18.01.2017
- Rs. 4.44 Crores received from MoP as Grant on completion of the 2nd milestone as per guidelines as per sanction letter dated 18.01.2017
- Rs. 8.88 Crores spent so far.
- Further Grant of Rs. 5.32 Crores likely to be sought from MoP.
- M/s Dongfang Electronics Company Limited has so far invested a total of Rs. 32.45 Crores on supply of hardware and software for the project.