

SOLAR PV POWER PLANT (50 MW) (UNDER OPERATION)

- THDCIL & Solar Energy Corporation of India (SECI) have signed an MOU on 13.02.2015 for setting up 250 MW Solar PV Projects in India.
- The work of Solar PV Power Plant (50 MW) was awarded to M/s Tata Power Solar System Limited (TPSSL) on 08.08.2019 for "Comprehensive Operation & Maintenance (O&M) for 10 years".
- The project specification includes installation of 1,65,149 nos. Multi Crystalline Solar PV modules of capacity 355Wp, 360Wp, 365Wp, 400 Wp, 405Wp & 410Wp.
- Project has been commissioned on 31.12.2020 and dedicated to the Nation by Hon'ble Prime Minister on 19.02.2021.
- Total expenditure incurred on the project is ₹ 253.78 Cr.

The Power Purchase Agreement (PPA) was signed between THDCIL and KSEBL on 11.08.2022. This PPA will remain in force for a period of 25 Years w.e.f. 31.12.2020 (Commercial Operation Date of Project) at a Levellized Tariff of ₹ 3.10 per unit.

GENERATION:

S.No.	Years	Generation
		Achievement (MU)
1	2020-21	17.35
2	2021-22	89.11
3	2022-23	94.58
4	2023-24	94.32
Total Generation		295.36

The detail of generation from 50 MW Solar Power Plant for the current financial year 2024-25 is as under:

S. N.	Month	Target (in MU)	Generation (in MU)
1	Apr'24 to Jun'24	21.50	21.84
2	Jul'24 to Sep'24	18.50	16.94
3	Oct'24	8.00	7.46
4	Nov'24	8.00	8.65
5	Dec'24	9.00	8.17
Total (up to Dec'24)		65.00	63.06

Cumulative generation during F.Y.2024-25 till Dec'24 is 63.06 MU against the target of 65.00 MU.