

Polepally Solar Plant

IPPATURU NAWABPET MANDAL DISTT., TELANGANA

PROJECT DATASHEET



AT A GLANCE

Owners:	Polepally Solar Parks Pvt. Ltd.
Ownership:	100%
Power Purchaser:	Southern Power Distribution Company of Telangana Limited
PPA Tariff:	6.45 INR/kwh
Lenders:	AXIS Bank
Land Size:	133 acres
EPC Contractor:	Mahindra Susten
Size:	25 MW(AC)
Construction Duration:	12 months
Commissioned:	June 2016
Output:	~ 47.77 GWh per year
CO₂ Displacement:	37,500 metric tons annually
Homes Powered:	42,000 average Indian homes
Modules Used:	First Solar Series 3 Black Plus
Type:	FS 395-Plus, FS 397-Plus & FS 3100-Plus
Quantity:	290,430 FS Modules
PCS:	SMA Central Inverters
Type:	800 CP
Quantity:	30 in number
Configuration:	Ground Mounted (6 High Structure)
Type:	Fixed Tilt
Tilt:	14 Degrees
Azimuth:	0 Degrees

Located at Ippaturu Nawabpet Mandal Distt., Mahabubnagar, Telangana, on 133 acres of land, the 25 megawatt (MW) alternating current (AC) Polepally Solar Plant will generate enough clean energy to serve the needs of about 42,000 average Indian homes, which is powered by 290,430 First Solar advanced thin film PV modules.

Owned by Polepally Solar Parks Pvt. Ltd., (a subsidiary of First Solar Power India Pvt. Ltd), the EPC was undertaken by Mahindra Susten, and the environmental benefits include generation of approximately 47.77 GWh of clean solar electricity per year. The plant generates electricity with zero emissions during operation displacing approximately 37,500 metric tons of carbon dioxide equivalent emissions per year. The power plant will supply electricity through the grid to the Southern Power Distribution Company of Telangana State Limited for a period of 20 years.

PROJECT TIMELINE



PROJECT LOCATION



PROJECT BENEFITS

- Clean energy
- Eco-efficient PV technology
- Less use of land
- Will displace 37,500 metric tons of carbon dioxide equivalent emissions per year
- No water used for electricity generation
- Independence from fuel imports
- Supports job creation
- Development of local supply chain
- Drives innovation

CONTACT US

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