



AT A GLANCE

Owners:	Marikal Solar Parks Pvt. Ltd.
Ownership:	100%
Power Purchaser:	Southern Power Distribution Company of Telangana Limited
Size:	10 MW(AC)
PPA Tariff:	6.49 INR/kwh
Lenders:	AXIS Bank
Land Size:	63 acres
EPC Contractor:	Mahindra Susten
Construction Duration:	8 months
Commissioned:	1st June 2015
Output:	~ 18.697 GWh per year
CO₂ Displacement:	15,000 metric tons annually
Homes Powered:	16,500 average Indian homes
Modules Used:	First Solar Series 3 Black Plus
Type:	FS 390-Plus & FS 392-Plus
Quantity:	126,270 FS Modules
PCS:	SMA Central Inverters
Type:	800 CP
Quantity:	12 in number
Configuration:	Ground Mounted (6 High Structure)
Type:	Fixed Tilt
Tilt:	14 Degrees
Azimuth:	0 Degrees

Owned by Marikal Solar Parks Pvt. Ltd., (a subsidiary of First Solar Power India Pvt. Ltd), the solar park is situated at Dhanwada village of Mahabubnagar, which is approx. 150 km from Hyderabad in Telangana. The 10 megawatt (MW) alternating current (AC) project which is powered by 126,270 First Solar advanced thin film PV modules will displace over 15,000 metric tons of carbon dioxide equivalent emissions per year, and will provide energy to 16,500 average Indian homes. 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.

EPC was undertaken by Mahindra Susten, and the plant achieved commercial operation in June of 2015.

PROJECT TIMELINE



PROJECT LOCATION



PROJECT BENEFITS

- Clean energy
- Eco-efficient PV technology
- Less use of land
- Will displace 15,000 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