



AT A GLANCE

Owners:	Winsol Solar Fields (Polepally) Pvt. Ltd.
Ownership:	100%
Power Purchaser:	Southern Power Distribution Company of Telangana Limited
Size:	15 MW(AC)
PPA Tariff:	6.6 INR/kwh
Lenders:	Yes Bank
Land Size:	71.9 acres
EPC Contractor:	Sterling & Wilson
Construction Duration:	7 months
Commissioned:	01 July 2016
Output:	~ 30.17 GWh per year
CO₂ Displacement:	24,000 metric tons annually
Homes Powered:	26,500 average Indian homes
Modules Used:	First Solar Series 4V2
Type:	FS 4100-2 & FS 4102-2, FS 4105-2 & FS 4107-2
Quantity:	172,788 FS Modules
PCS:	ABB Inverters (PVS800-57-1000KW-C)
Type:	1000 kw
Quantity:	15 in number
Configuration:	Ground Mounted (6 High Structure)
Type:	Fixed Tilt
Tilt:	13 Degrees
Azimuth:	0 Degrees

Located in Mahabubnagar Distt. Telangana, the 15 megawatt (MW) alternating current (AC) Karoor Solar Plant is owned and developed by Winsol Solar Fields (Polepally) Pvt. Ltd (a subsidiary of First Solar Power India Pvt. Ltd). Sterling & Wilson designed and constructed the power plant using 172,788 of First Solar's thin-film PV modules. The power plant will supply electricity through the grid to the Southern Power Distribution Company of Telangana State Limited for a period of 25 years.

Entering commercial operation in July of 2016, the Karoor Solar Plant will generate enough energy to meet the annual needs of approximately 26,500 average Indian homes. Using clean solar power also avoids the annual emission of approximately 24,000 metric tons of carbon dioxide into the atmosphere.

PROJECT TIMELINE



PROJECT LOCATION



PROJECT BENEFITS

- Clean energy
- Eco-efficient PV technology
- Less use of land
- Will displace 24,000 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