



# PV Power Plant Dholera

**Country**  
India

**Year of Mandate**  
2020

**Year of Commissioning**  
2021

**Key Technical Data**  
Total capacity: 700 MWp  
PV technology: poly crystalline  
Inverter manufacturer:  
procurement ongoing

## Owner's Engineering Services for a 700 MWp PV Power Plant

### The objectives of the assignment were:

- to provide equipment technical specifications of major electrical components considering solar plant's vicinity to the sea and possibility of water seepage into the plant
- to validate the CAPEX and OPEX assumptions of the EPC work to construct and operate the project
- to inspect the site

### The scope of work covered the following aspects:

- provision of technical requirements for i.a. the to be installed modules, inverters, transformers, cabling, distribution boards, switchgear taking into account relevant technical standards, best practice and the local particularities of the site
- validation of CAPEX and OPEX assumptions

# PV Power Plant Veligallu

**Country**  
India

**Year of Mandate**  
2020

**Year of Commissioning**  
2018

**Key Technical Data**  
Total capacity: 140 MWp  
PV technology: poly crystalline  
Inverter manufacturer:  
Sungrow  
Grid connection: 33 kV  
substation

## Technical Due Diligence for a 140 MWp PV Power Plant (2 Plots)

### The objectives of the assignment were:

- to collect and analyse the information necessary to assess the technical performance of the Project
- to assess the ability of the Project to be completed on time and on budget and to sustain over its economic life certain performance levels
- to determine and quantify the technical risks and the consequence of the occurrence of such risks on the completion of the Project and during the economic life of the Project.

### The scope of work covered the following aspects:

- Execution of energy yield assessment
- Review of permits
- Technical design review
- Review of grid connection
- Review of project contracts
- Inspection of power plant

# PV Power Plant Astonfield, India

**Country**  
India

**Year of Mandate**  
2018

**Year of Commissioning**  
2012

**Key Technical Data**  
Total capacity: 12 MWp  
PV technology: poly crystalline  
Inverter manufacturer: Schneider  
Electric  
Grid connection: 11 kV substation

## Review of the Technical Status for a 12 MWp PV Power Plant

### The objectives of the assignment were:

- Evaluation of the current technical condition of the power plant under consideration of flood events in previous years

### The scope of work covered the following aspects:

- Inspection of power plant to determine the root causes of any detected damages and underperformance
- Evaluation of impacts regarding a recent flood event in the power plant
- Investigation of the general condition of the power plant and in particular the structural and electrical conditions as well as the state of its installed components