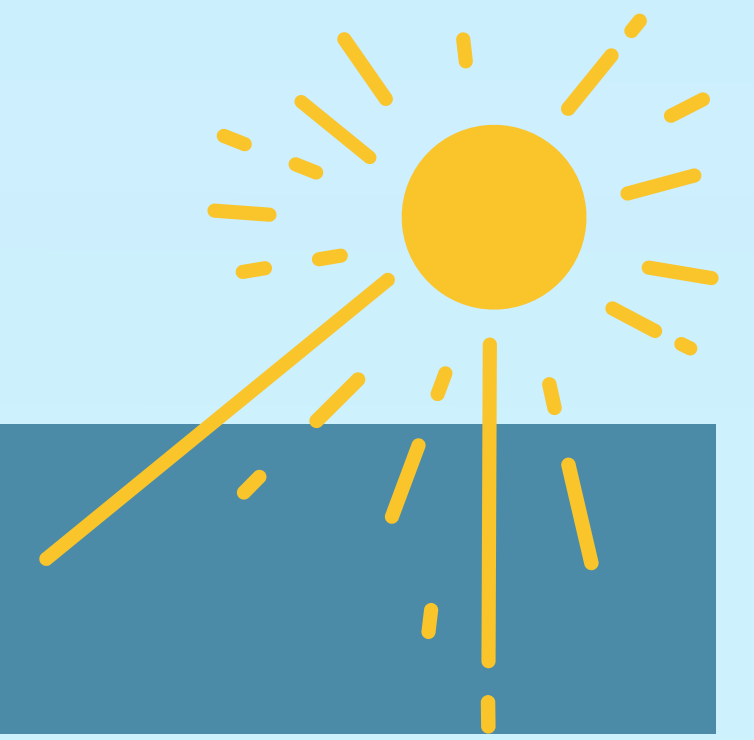


Siraj 1 PV Solar Plant

Solar PV Power Plant



Qatar General Electricity & Water Corporation “KAHRAMAA” signed a Power Purchase Agreement with Siraj1 for the Large-Scale Solar PV Power Plant for 25 years.

The Plant

One of the largest Solar PV power projects in the region and the first of its kind in Qatar.

350 MW

will be connected to the grid by 2Q 2021

 **800** MW / Peak
total capacity of the project

meets **10%** of Peak demand for electricity

The commercial commissioning of the total capacity will start in 1Q 2022

Electricity Unit Price

5.281 Dhs/kWh (1.449 US cents/kWh)
Which is the world's lowest for projects of this type

Request for Bids


KAHRAMAA announced Request for Bids (RFB) for Qatar first large scale solar Photovoltaic (PV) power plant


Prequalification for **16**
international Solar Power Developers


5 competitive offers received
from international companies
and consortiums

Project Advantages

 Competitive power generation prices

 Reducing Gas Dependency

 Saving natural gas used in traditional power generation

 Reducing carbon emissions and preserve the environment.

Project Structure

The project is structured as Build Own Operate Transfer **BOOT**
25 years
The ownership will be transferred to KAHRAMAA


The total cost of the project construction is Q.R. **1.7** billion

Project Company

Siraj1 owned by: **60%** Siraj Energy the Strategic National Investor

40% The consortium of Marubeni Corporation (Japan) and Total Solar International (France)

Reduction of Emissions

The plant will contribute to reduce **26.000.000** TCO2

Project Technology

Single-axis tracking Photovoltaic Panels
New solutions and innovations in solar energy technology including:

- The use of bifacial panels
- The latest automated systems to track the sun
- The use of robots in the process of cleaning solar panels

Plant Location and Size

10 km2 at Al-Kharsaah area west of Doha



KAHRA MAA المؤسسة العامة القطرية للكهرباء والماء
Qatar General Electricity & Water Corporation