



SUNITA SOLAR

An ISO 9001:2008 Certified Company

Company Profile 2021



ABOUT US

Sunita Solar Energy Private Limited is one of the oldest turnkeys Solar PV Power Project Company located in India.

The company was incorporated in the year 2013 with its Corporate Headquarters located near India's financial capital Mumbai (Maharashtra). We expertise in Residential, Commercial, Industrial and Utility scale projects under CAPEX and RESCO model. Our key geographical operations in are Maharashtra, Gujarat, Madhyaradesh, Rajasthan and Karnataka

VISION & MISSION

Sunita Solar will design and deliver quality affordable, easy to procure and easy to maintain solar power and solar thermal solutions to domestic, commercial and industrial customers to help them offset costs incurred by deploying conventional, costlier energy resources and build a greener Tomorrow.

VALUES

- **Transparency**
- **Flexibility**
- **Reliability**
- **Sustainability**

THE SOLUTION WE OFFER

Solar EPC Solution – Residential (Urban domestic and rural consumers) off grid & on grid, Commercial (Hotels, Hospitals, Educational Institutions and PSU) off grid & on grid and **Industrial** – Multi-vertical industrial clients such as textile, paper, automobile, brewing, sugar and more

Solar Power – All solar power solutions such as home/street lighting, lanterns, pumps, rooftop on-grid and rooftop off-grid

Solar Thermal – all solar water heating solutions

Decentralize Power Generation along with battery backup

Micro Grid and Islanding Technology

Wind solar Hybrid Energy Generation and Optimization

Rural Home Lighting solar Power pack



WHAT WE DO?

HOW WILL OUR SOLUTIONS HELP?

Our solutions will help customers offset electricity/power costs that are currently being spent by using costlier (grid, diesel, kerosene) energy sources

Our solutions will be clean, green energy that will contribute to reducing global warming and help make the world a greener place.

OUR DETAIL SCOPE OF WORK

SS Management & Organization is completely capable to handle all the projects ranging from **1kW to 200MW** and higher capacity utilization projects. SES is in association with prominent solar equipment manufacturers & suppliers in India, US & Europe. SS helps the clients to select the suitable panels, battery backup systems, required mounting structures, accessories & also liaison with various Government & Departments to get required approvals/subsidizes incentives. SES also assures the after sales service for the projects.

SELECTION OF SITE

To provide both government /private land options to meet the Solar Project

Developer(SPD)/Client needs for setting up a solar project keeping in mind the technical requirement for solar projects, connectivity, terrain and the type of soil.

To do complete radiation and generation analysis of the site based on the available solar radiation and the solar technology used.



WHAT WE DO?

POWER EVACUATION (PE) SYSTEM PLANNING

PE system planning to include identification of a nearest existing power evacuation (PE) option (interconnection point) with the State Transmission Utility (STU) at the voltage level of 33/66/132 kV or a higher voltage and which is not a distribution sub-station. Preparation of a PE scheme: Schematic diagram along with technical specification from Solar PV Project pooling station to receiving Grid Sub-station.

ENGINEERING AND DESIGN

- Preparation of layout, single line diagrams, CAD's and basic engineering drawing documents.
- Preparation of erection key diagrams, electrical and physical clearance diagrams, design calculations for Earth- mat, Bus Bar & Spacers, indoor and outdoor lighting/illumination etc.
- Detailed engineering of all components, protection system, switchyard, switchgear, cabling system , LV & DC system .
- Preparation of all Site Execution Drawings / Documents related to Electrical, Mechanical & Civil installation.



WHAT WE DO?

PROCUREMENT ASSISTANCE AND INSPECTION OF ALL MATERIALS

- Preparation of technical specifications of all components, materials and parts to be used for solar power plant installation.
- Getting and negotiating quotes/prices with vendors for different materials to get the best possible pricing. Supervising Procurement of components and ensuring certification of all as per relevant International standards.
- Our Engineers serve on the site to ensure quality and timely procurement of all materials as per specifications in the original contract

ENGINEERING AND CONSTRUCTION SUPERVISION

- Planning, basic and detailed engineering of the entire system.
- Preparation of the drawings and documents for the execution of the project, proof checking vendor drawings and incorporating them in the system for optimal yield.
- Approval of all interconnection systems
- Scheduling and ensuring the timely completion of the project, including detailed engineering, procurement, erection activities at site precommissioning and commissioning activities.
- Review, supervision and responsibility of work at site during the course of project execution

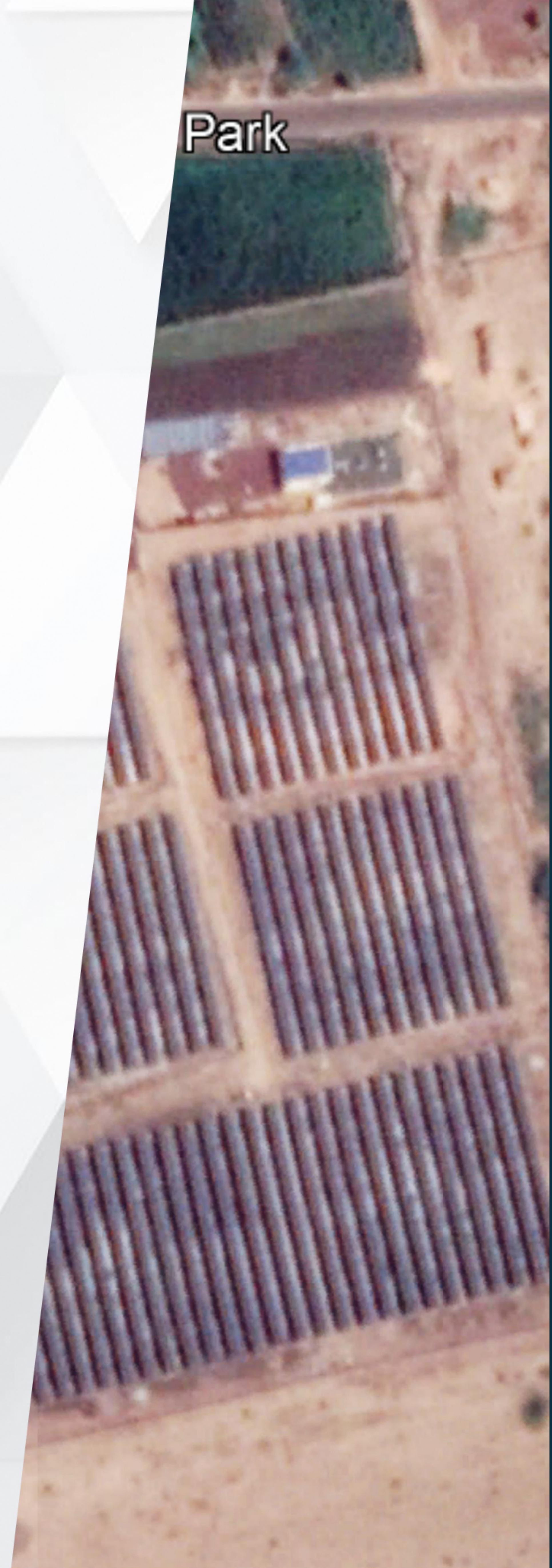


WHAT WE DO?

SERVICES, OPERATION & RISK MANAGEMENT

- Production of a detailed site plan.
- Calculation of solar resource and environmental characteristics.
- Assessment of shading (horizon and nearby buildings and objects).
- Outline layout of areas suitable for PV development.
- Assessment of technology options providing cost benefit for the project location:
 - Module type.
 - Mounting system.
 - Outline system design.
- Application for outline planning permission.
- Grid connection – more detailed assessment of likelihood, cost and timing.
- Predicted energy yields.
- Financial modeling.
- Preparation and submission of the permit applications for the proposed solar PV project
- Preparation and submission of a grid connection application.
- Revision of the design and planning permissions.
- Decision on contracting strategy (turnkey EPC contract or multi- contract).
- Decision on the financing approach.
- Preparation of solar PV module tender documentation.
- Supplier selection and ranking.
- Preparation of construction tender documentation.
- Contractor selection and ranking.
- Contract negotiations.
- Completion of a bankable energy yield.
- Preparation of a financial model covering the full life cycle of the plant.
- Completion of a project risk analysis.
- Environmental impact assessment.
- Production of a detailed project report.
- Securing financing for the project.

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QUALITY POLICY

SS strongly believes that our clients are our Business Family Members, and, as such, extends our whole hearted support to them for the whole project life in whatever form that support may be. All levels of SES Organization are dedicated to the meeting the needs of our clients

We are Super Stockiest for the following Inverter.

Growatt, Solis, Sofar, Hitachi, Huawai.

We are Super Stockiest for the following Panel.

Trina, Waaree, Vikram, Adani, Longi

OUR ESTEEMED CLIENT



OUR WORK TESTIMONIALS



CONTACT US!

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