



Ref: UGPL/SOLAR/40 KWp/KBS/130/2022-23

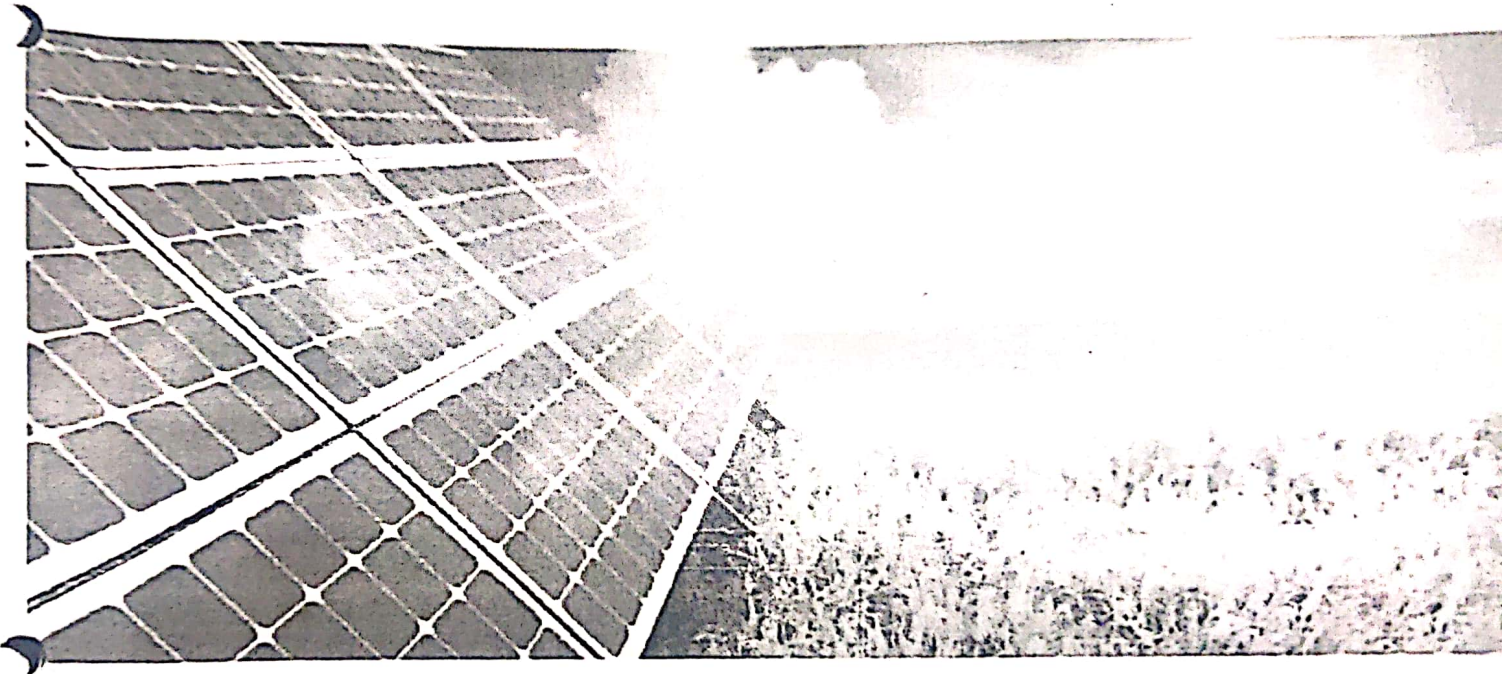
Date: 28<sup>th</sup> Dec 2022

## TECHNO-COMMERCIAL PROPOSAL

Grid-connected 40 KWp Rooftop SPV Project for

M/s. Atulniy Farmers Producer Company

At- Varegaon, Tal- Phulambri,  
Dist- Aurangabad.



Submitted By

**UNITED GENSETS PVT.LTD,**

B10/2, ADJACENT TO COLGATE CO., M.I.D.C., WALUJ

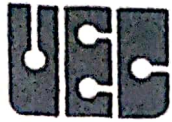
AURANGABAD, MH. PINCODE : 431136

**Contact Person**

Name : Mr. Kiran Shete

Email ID: [unityunited@gmail.com](mailto:unityunited@gmail.com); [unitedgenset@waareepartners.com](mailto:unitedgenset@waareepartners.com)

Mobile No.: +91 9822046768 Ph: 0240 2553307 / 02554732



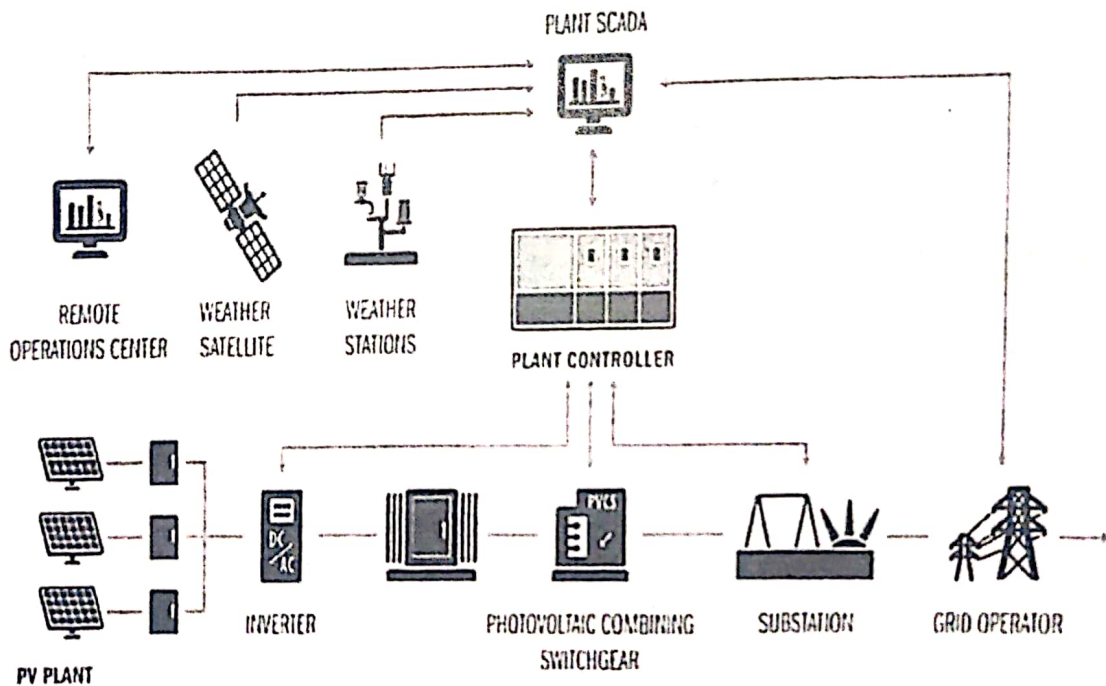
• **PRODUCTS AND SYSTEMS DESCRIPTION:**

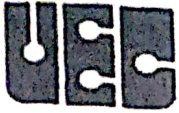
A Solar PV power plant is a system that converts sunrays to electrical energy. This system comprises of several components, major of which are listed below:

- Solar PV Modules
- Module Mounting structures
- Array/String Combiner Boxes
- Inverter
- Earthing & Lighting arrester
- Solar Grade Cables
- AC Cables

Each of these components are carefully selected for a trouble free intended life of the power plant.

The Scheme below shows a simple schematic of a solar PV Power plant:



**WAAREE**

One with the Sun

**• SPECIFICATION OF ROOFTOP FIXED TILT SPV SYSTEM:**

No.	Item	Specification
1.	Solar PV Modules	Qty: 71 (540 Wp), 144 Cell, Mono-Crystalline
2.	Module Mounting Structures - Fixed Tilt	Anodized GI (STD) Fully Hot Dip Galvanize
3.	Inverter	40 KW Inverter, Min 98% Efficiency
4.	Combiner Boxes	Dust/Water Proof With Applicable Protection Features
5.	DC Power Cables	Solar Grade, Halogen Free, UV & Weather Resistant
6.	AC LT Cables	Aluminum Core, XLPE Insulated, Inner PVC Sheathed, Galvanized Steel Strip Armored Cables
7.	Earthing System	Chemical, Maintenance Free Type
8.	Lighting Arrestor	As Per Industry Standards
9.	Circuit Breakers	Over Current, Earth Fault, Over Voltage Protection
10.	Remote Monitoring System	Web Based Remote Monitoring system, with Data Glen Portal

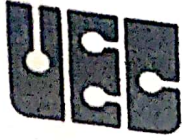
**• LIST OF MAJOR EQUIPMENT'S AND PROPOSED VENDORS:**

For On Grid Ground Mount SPV System:

Sr. No.	Equipment	Offered Make
1.	Solar PV Modules	Waaree Energies / MNRE Approved
2.	On Grid String Inverter	Waaree / Growatt / Polycab/Mindra/ MNRE Approved
3.	DC Power Cables	Polycab / fine cab / Finolex/ Waa cable
4.	AC Power Cables	Polycab / fine cab / Finolex/ Waa cable
5.	Earthing System	Standard Make as per DISCOM guidelines
6.	Lighting Arrestor	Powertrak / Reputed
7.	Circuit Breakers	L&T / ABB / Schneider
8.	MC4 Connectors	Tyco / Reputed
9.	Other Miscellaneous Items	Standard Make

**Note:**

During the project Execution, as per the detailed Engineering & Product in time availability WAAREE shall supply the above make of materials, or else as mutually agreed with the client.



• **Product Warranty / Manufacturing Defect Warranty**

Sr. No.	Component	Warranty (In Years)
1	Solar modules	10 Year Product Warranty and 25 years Power out put
2	Inverter	
3	Module Mounting Structure	5 Years
5	Other BOS	15 Years
		As per Original Equipment Manufacture warranty terms

Note: Waaree will provide all back to back warranties as provided by the OEM. Extended Warranties If required shall be charged extra.

• **KEY COMMERCIAL DETAILS**

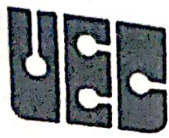
Price quote for total EPC services for DC Solar PV plant as per the aforementioned scope of work on turnkey basis as below:-

S.No	DESCRIPTION	PRICE (IN INR)
1	Plant Capacity	40 KWp
2	Base Price	INR 24,80,000/-
3	Total EPC Price with GST@13.8%*	INR 28,22,240/-
4	Approvals	INCLUDED IN PRICE

- If the Load Extension is required, the charges will be paid by you separately.
- Net-Metering Application Fees Rs.590/- paid by you separately.
- Standard Structure Height: 3.5:5 Ft
- If Addl. Structure height required, then extra charges Rs.150/- per kg.
- Quotation Valid For 7 day from the date of issuance Of this Quotation.
- We are Emplaned Vender member MNRE , BPCL /IOCL/HPCL

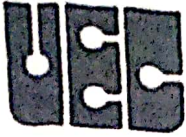
**Assumption:**

- a. Encumbrance free roof access shall be provided by client
  - b. Construction water and power shall be provided by client at free of cost
  - c. Indoor Space provision for all control panels (if applicable) and Inverters supplied by WAAREE will be in Customer's scope.
  - d. Liaison, Procurement and obtaining approvals from DISCOM for Net-Metering shall be done by customer. WAAREE shall provide technical & documentation support.
  - e. GST Indicative Values have been calculated as below:
    - i. GST of 13.8% on Composite Basis for Solar Power Generating System
    - ii. (#) Any change in taxes/duties at the time of despatch/ invoicing due to statutory variation shall be to the purchaser's account.
- **Advantages of the solar systems:**
    1. The Finance facility is also available
    2. Reduction in the bill
    3. Life of the solar system is the 25 years
    4. Free electricity after pay back period
    5. It will save the climate damage of the earth



• **STANDARD TERMS & CONDITIONS**

Sr No	Applicable Heads	Terms
1	Scope Of Work	Waaree Energies Limited ("Contractor") scope is restricted to manufacture, supply, installation and commissioning of solar PV plant as per agreed scope, technical offer and specifications. This scope is for agreed timelines and in accordance with other provisions and obligations of each Party. Unless specifically agreed by us in writing, no other supply or services shall be considered as part of our scope/ deliverable /obligation.
2	Price Basis	Deliver to Site.
3	Taxes & Duties	<b>Note:</b> This offer is including GST. GST Values have been given for indicative/ planning purposes. <b>On Supply:</b> Included as above. <b>On Services:</b> Included as above. Any change in taxes/duties due to statutory variation shall be to the purchaser's account.
4	Freight & Transit Insurance	Included.
5	Term of Payment	80% advance along with order, 20 % against completion of Solar Panel, Structure & Electrification work.
6	Project Timelines	3 Months after order confirmation and advance payment receipt. To be decided Mutually at the time of finalization of project.
7	Offer Validity	10 Days from the date of this offer and further Extension subject to our confirmation / acceptance in writing.
8	Packing	Packing will be done as per Waaree Standards. Included in price
9	Force Majeure	Waaree shall not be liable for any failure of or delay in the performance of this Agreement/proposal for the period that such failure or delay is due to causes beyond its reasonable control, including but not limited to acts of God, war, strikes or labour disputes, embargoes, government orders or any other force majeure event.
10	Confidentiality / Do Not Disclose (DND)	All the information exchanged between the Parties, either oral or written, in connection with this Offer/ Contract, shall be maintained strictly confidential, except to the extent necessary to carry out obligations under it or to comply with applicable Laws.
11	Change in Standard consideration/considerations	Any change in standard consideration/considerations for technical designing of the system & scope of work will affect the design of the system as well as quoted price & increased price will be given by client
12	Right & Lien of Property	We shall retain the right on equipment, materials or parts supplied by us under this quotation until full value thereof as per our invoice has been fully paid to us.
13	Acceptance	All supplies of material or service works executed by Contractor shall be certified by Owner within 3 days of submission of its documents or measurement sheets or invoices. Upon completion of the Scope of work, the Owner shall issue a Final Acceptance Certificate to the Contractor
14	Local Issues	Excluded



**WAAREE**  
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<b>Benefits of Rooftop Solar</b>	
Plant Capacity	40 KWp
Plant Cost	2,022,240.00
Average Life of Solar Plant	30 Years
Units Generation per Day	160
Units Generation per Annum	58400
Amount saving per Annum	712,480.00
Plant Cost Recovered In Years	3.96
Units Generation In balanced 27 Years	1576800
MSEDCL Cost per Unit Approx	12.20
Cost saving (Excl. Interest) In balanced 27 Years	19,236,960.00
<b>Environment Protection</b>	
Reduction of Co2 Emission (Tones per Annum)	53
Planting of trees will be equivalent (Plants)	266

<b>Bank Details for Payment:-</b>	
Name of Bank	ICICI Bank
Branch	Adalat Road, Aurangabad -431005
Bank A/c. Number	004405010935
IFSC Code	ICIC0000044

## Thanking You

**Waaree's Channel partner:-**

**UNITED GENSETS PVT. LTD.,**  
B10/2, Adjacent to colgate Co., M.I.D.C., Waluj, Aurangabad-431136  
Maharashtra.

**Contact Person**



Name : Mr. Kiran Shete

Email ID: [unityunited@gmail.com](mailto:unityunited@gmail.com); [unitedgenset@waareepartners.com](mailto:unitedgenset@waareepartners.com)

Mobile No.: +91 9822046768 Ph: 0240 2553307 / 02554732