



Ref No: TGS/NOIDA/2023-2024/001

Date: 01.11.2023

Techno-Commercial offer for 6221 KWp Solar Rooftop PV Project

Clients Name: M/s TRUERE UP 2 PVT LTD

Address: 202-203, Udyog Kendra, Extn. II, Ecotech-3, Greater Noida, U.P. 201306

Corporate Office:
M/s OPPL TGS PVT. LTD.,
C-103, First floor, Sector-2 , Noida, 201301

Registered Office :
M/S OPPL TGS PVT. LTD.
202-203, Udyog Kendra, Extn-II, Ecotech -3
Greater Noida – 201306.

Overview

With increasing automation and the increasing use of more sophisticated machinery for every function, electricity consumption will only keep rising. As conventional fuels such as coal, diesel, etc. become costlier as well as scarce with the passage of time, the cost of conventionally generated electricity is also escalating. This scarcity and the ever-increasing cost of these resources have therefore made us prioritize the need to tap alternative sources of energy for electricity generation. Photovoltaic systems are able to generate electricity at the point of consumption and thus avoid the high cost of transmission and distribution of electricity from the utility which is embedded in the cost of the electricity itself. Elgris solar photovoltaic systems are efficient and cost effective and have a lifetime of 25 years and more. Several users are immensely benefited by using solar photovoltaic systems for electricity generation. Solar energy is a completely clean, green energy and does not produce greenhouse gases simultaneously providing energy absolutely free of cost. From an economic perspective as well, the capital investment in solar is hedged against electricity escalation costs in the future. Use of solar energy also endows the user with a clean and environment-friendly reputation. Under existing Income Tax laws, solar technology attracts 40% accelerated depreciation in 1st year for investment in solar system. In conclusion, backed by Elgris's holistic solar expertise, going solar makes social as well as economic sense.

OPPL TGS'S CORE COMPETENCIES

ADVANCE TECHNOLOGY

- Complete design of system with latest software such as PV Syst, Stat Pro, Google Sketch Up with AutoCAD 3-D Drawing for layout and technical /Economic feasibility.
- We use advance technology compatible system with high potential solar modules paired with equivalent Solar PCUs variable to each site.
- Real Time monitoring of solar power plant for quick reaction on any shutdowns.

INTELLECTUAL CAPITAL

- **Technical**
Our team is made of experienced Engineer's from the field of Electrical, Mechanical, Civil and other Technical trades needed to carry out proper execution of the project.
- **Management**
Our Management team is full of enthusiasm and experienced technocrats from rich backgrounds like IITs, IIMs and other high doctorates in diverse array having experiences of around 20-25 Years.

To,

Mr. Narender Kumar
VP - Operations
TRUEERE UP 2 PVT LTD.
202-203, Udyog Kendra Extn.II, Ecotech-3,
Greater Noida, Uttar Pradesh – 201306.

Subject: Techno-Commercial Offer for 6221 KWp DC Grid Connected SPV System.

Dear Sir,

We are pleased to submit proposal for the above-referenced assignment. Our proposal contains a brief description of techno commercial offer to effectively undertake the assignment.

We can provide an outstanding team of consultants to work closely with you. We have experienced team who can do detail analysis of your requirement and suggest best suitable solutions to achieve Maximum Savings. Our staff members are seasoned energy industry experts and have in-depth knowledge and appropriate backgrounds in the areas required for this consultancy.

We look forward to the opportunity to prepare a high quality and compelling proposal for this project. If you have any questions regarding our submission or would like further information, please contact me at the contact points listed below

Yours Sincerely

Rupal Gupta
Director

Design Basis For Solar System

Sl. NO.	Designer	Value
1	Site	M/s Truere UP 2 Private Limited
2	Individual Panel Capacity	570 Wp
3	Power at generation terminal	500 KWp
4	Generation Voltage	415 V A.C.
5	Module Inclinaiton	As per Shed
6	Inverter Type	String Inverter



Bill of Material

Sl. No.	Item	Makes	Specification
1	Solar PV Modules		
1.1	Solar PV modules	Jinko/JA/Trina/Adani/Equivalent	570Wp
1.2	Solar PV modules	Tata BP Solar	570 Wp
2	Inverter and Accessories		
2.1	Inverter	Goodwee	As per design.
2.2	Inverter mounting Arrangement	Reputed	As per design
3	MMS and Accessories		
3.1	MMS for Tin Shed	Tata approved vendor	Al, as per design
4	Walkway and Accessories		
4.1	Walkway with all its Accessories	Tata approved vendor	Galvalume/GI/FRP – 300X20
5	DC cable	Seichem/Apar/Equivalent	4sq mm
6	DC cable installation		
6.1	MC4	MC4/tyco/Elmex/equivalent	
6.2	Cable Ties	Reputed	300mm, 200mm
6.3	HDPE conduit	Reputed	
6.4	Polyamide conduit	Reputed	As per requirement
7	AC Equipments		
7.1	415 V ACCB	Breaker - L&T/Schenieder/equivalent MFM - Secure/Schenieder	ratings will be as per the design requiriement
7.2	ACCB mounting arrangement	Reputed	HDG Structure

8	AC cables & installation		
8.1	AC cables	Seichem/kei/polycab/equivalent	as per design requirement
8.2	Ladder type cable tray without cover	Reputed	250X100X2
9	Earthing and Lighting Protection		
9.1	Earthing Strip	Reputed	25X6 GI strip
9.2	Earthing Rods	Tata approved vendor	3mtr copper bonded earthing rod with chemical bag
9.3	Lightning Arrestor	JMVLPS/Indelec/Nimbus/True power/Equivalent	ESE type , 107 mtr radius
9.4	Earthing cables	polycab/kei/reputed	
10	Safety		
10.1	Lifeline	Tata approved vendor	SS rope with all the accessories
10.2	Fire Extinguishers	Tata approved vendor	4 kg , Co2 type
10.3	Fire bucket with stand	Reputed	2 sand buckets with stand
11	Remote Monitoring		
11.1	Datalogger	Suryalogix/Esenz/reputed	1 rs485 port, with 2 gb internal memory for storage
11.2	Enclosure	Rputed	Polycarbonate enclosure
11.3	RS 485 cable with conduit	Tata approved vendor	2 pair 4 core rs485 cable un armoured, with conduit.
11.4	Internet	Client scope	Sim/Lan to be provided by the client
11.5	Remote motoring portal	Suryalogix/Esenz/reputed	1st year free, further charges to be borne by the client
12	Services		
12.1	Installaiton	Elgris	installation of complete 500kWp solar power plant
12.2	Module Cleaning System	Water pipeline with motor and accessories	UPVC pipe line with 0.5 HP motor of kirloskar make.

Commercials

<u>Sl. No</u>	<u>Description</u>	<u>Qty</u>	<u>Amount</u>
<u>1.</u>	<u>6221KWp Rooftop Capacity Solar Power Plant</u> <u>With Monicrystalline Solar PV Modules</u> <u>String Inverter – Goodwe make</u> <u>O&M Charges subject to renewal and escalation each year @2%</u>	<u>6221 kWp</u>	<u>Project Cost:</u> <u>INR 24,88,00,000.00</u> <u>@Rs. 40.00/Watt (including GST)</u>

Note:

1. Ceig and Net metering(if Applicable) shall be extra as actual.
2. GST is inclusive of this cost.

Delivery

Project completion time line will be 5-6 months.

Offer Validity

Offer will be valid for 7 days only, further shall be as per our terms and availability.

Warranty

- Solar PV Modules: 10 years for workmanship, further 15 year linear performance warranty.
- Inverter : 5 year back to back warranty.
- BOS: 1 year warranty for BOS items against any manufacturing defects only.

Exclusions: The warranty will be not applicable under following condition

- Product that has been unkempt, damaged, subjected to misuse, abnormal service or handling, or not maintained as per product manual.
- Any unauthorized tampering on the electrical parts and connections

THANKS

Harshit Pundir

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