

3) WHEELING THE GRID

Wheeling is the transfer of electrical power via a utility's transmission or distribution system between different grid or network service areas. When it comes to solar PV, the areas where the sun is most powerful and consistent is often geographically separate from the urban hubs where electricity is required.

On Grid System : **11kW**
Number of panels : 40
Configuration : 2 Strings each string made of 20 modules

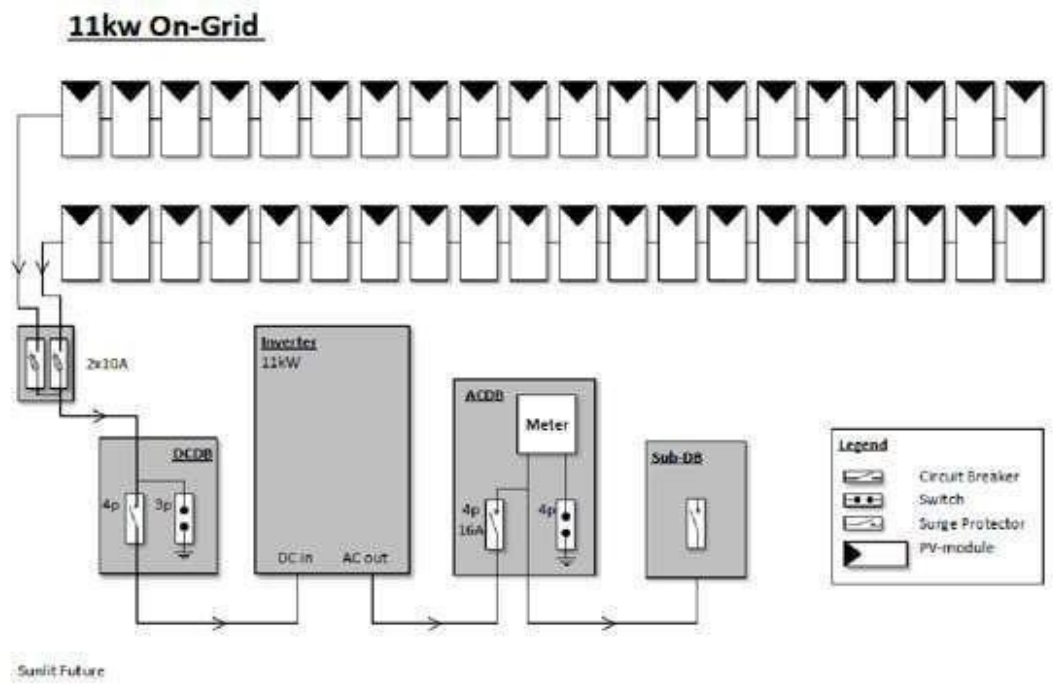
Electrical Characteristic of each panel

: $P_{max}=280W$
: $V_{oc} = 43V$
: $V_{mp} = 35V$
: $I_{sc} = 8V$
: $I_{mp}=8.68A$
: Maximum System Voltage =1000V

Delta 11kW Inverter (Solivia)

Data Collection System

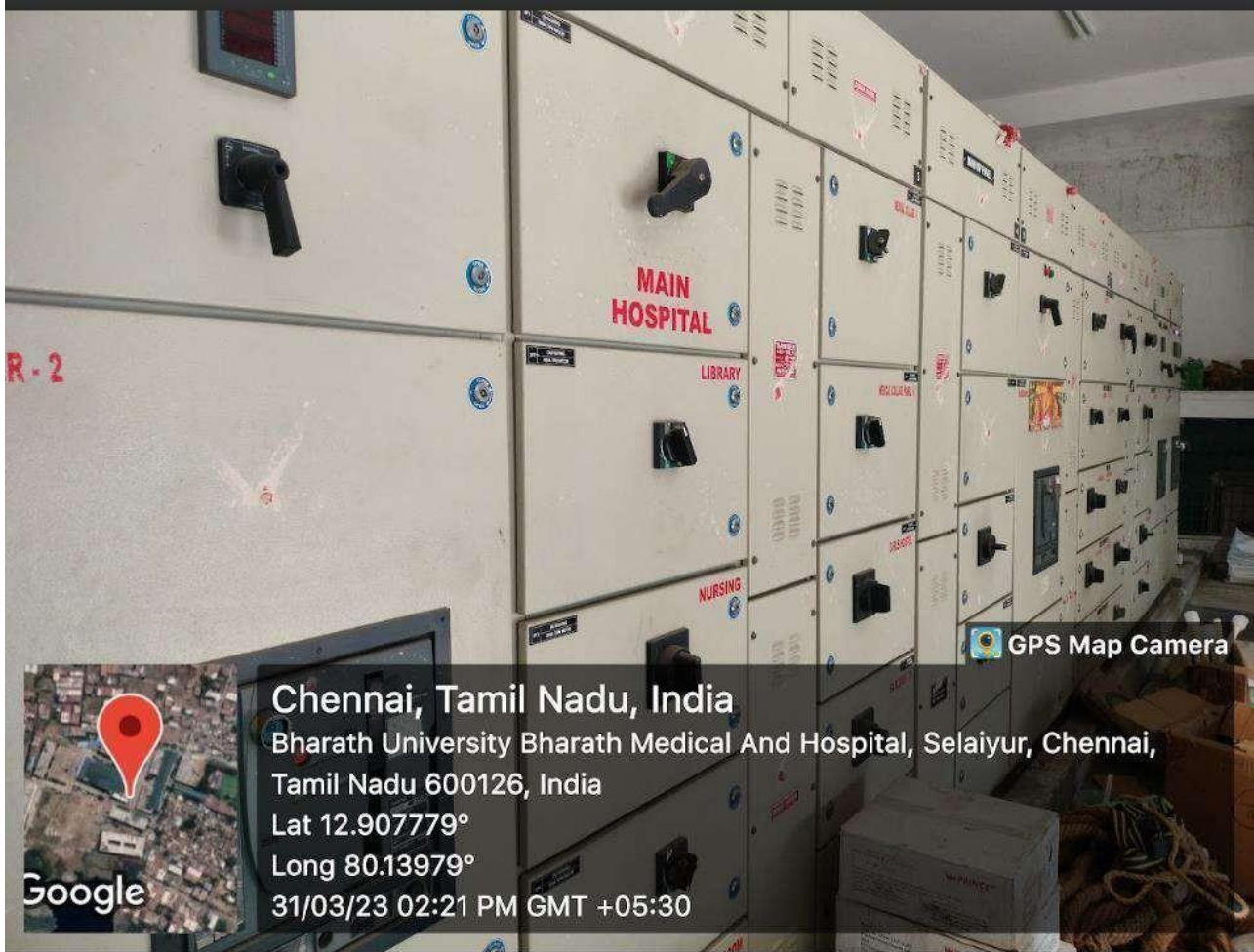
Solivia Gate Way, EOE90010381, SOLIVIA GW WEB MONITOR



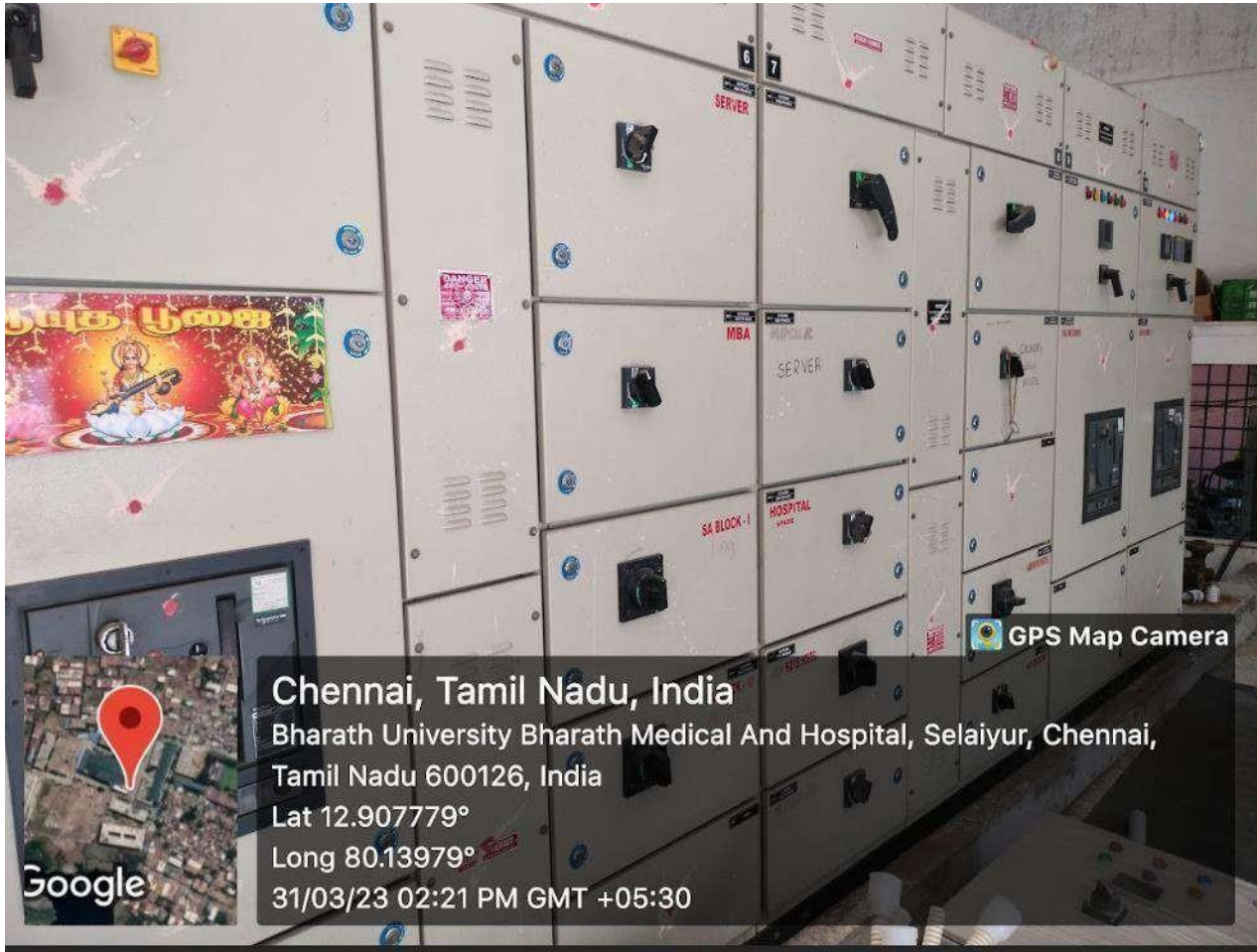
Facilities for alternate sources of energy and energy conservation measures



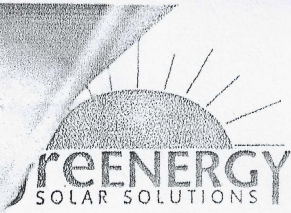
Facilities for alternate sources of energy and energy conservation measures



Electrical Panel Room



Electrical Panel Room



greENERGY SOLAR SOLUTION

No..234, Airport Road, Opp.ParvathiKalayanaMandapa

Lawspet, Pondicherry – 605 0

Ph.No.: 0413-2256337/+91-99432561

Ref:Q/2021/Mar-12A

Date: 22/03/2022

To
M/s Sri Lakshmi Narayana Institute of Medical Sciences,
Puducherry

Dear Sir,

Sub: 30KW ON Grid Solar power plant Quotation for your institution-Reg

Greenergy solar solutions is one of the leading solar power company based in Pondicherry. We take immense pleasure in introducing ourselves as a faithful name in the field of renewable energy. We are working across all the verticals in the solar value chain.

We are catering to Solar EPC, I&C, Power Trading, Consulting, Solar related AC side electrical work, Solar water heaters, charging stations for EV and etc.

We are one stop place for all Green Energy needs. we are the one in Pondicherry who got enrolled with MNRE & REAP first & have good reputation in implementing govt. schemes

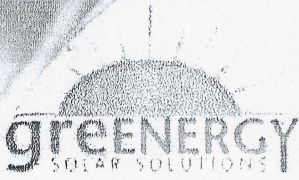
*We use Tier 1 quality components.
Our potential clients are*

1. Chennai Metro Rail
2. Pondicherry University
3. Church on the Rock (COTR) Visag
4. Baylogic Visag
5. Cluny Prashant Vanam (Pondicherry)
6. Madhava Hospital (Pondicherry)
7. SG corporations (Pondicherry)
8. Fryer Energy (Hyderabad)
9. Solar quest (Chennai)
10. Manoranjan Engineering (Pondicherry)
11. Aarvin Green Power India Pvt Ltd
12. Arasaradi Tribal village
13. Valparai Tribal village
14. Asha Kiran Hospital (Odisha)
15. Mahimai Illam (Marakanam)
16. Alamaram Society (Pondicherry)
17. Radius Salem and etc
18. SunSine Pvt Ltd, Chennai

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One stop solution for all Solar Needs
We provide solutions rather than selling

15	Canopy	Customized	As required	1	Nos
18	Solar Check meter	L& T /Maxwell/Landiysgyr/HPL/Techno	3Ph	1	Nos
20	Cable tray	Galvanised	As required	A lot	Nos
21	Copper cable	Polycab/orbit	6Sqmm	3	coils
22	Lightning arrestor	Standartd	20 impacts 200 kA and 5 impacts 250 KA (10/350µs)	1	Nos
23	GI Strip	GI	High grade	As required	Nos
24	Earth rods	Prefilled Earth Rods	High grade	3	Nos
25	Earth Chemical bag	BFC/Excel	High Grade-25KG bag	3	Nos
26	Lugs	Standard	As required	As required	Nos
27	Hot Stick - Electrical	Standard	As per standard	1	Nos
28	Electrical Insulation Gloves	Standard	As per IEC standards	1	Pairs
29	Fire Extinguisher	ABC	Powerder type	1	Nos



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Our strength is our team. We always focus on our commitment and quality .we have already installed 5MW at different places. We have obtained special operation permission during this lockdown from district collectorate to serve our clients even at the worst situation.

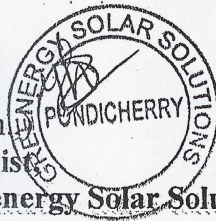
Please find below the detailed quotation for 30KW solar ON grid power plant for your kind consideration .

We hope that our offer is very competitive & we would be more happy to provide more details if needed.

We look forward for your valuable order for the same.

Yours faithfully,

(S.KANNAN,B.E.,M.Tech.
Green Energy Technologist
Managing Partner –Greenergy Solar Solutions,
Contact:+91-9943256109



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No..234, Airport Road,Opp.ParvathiKalayanaMandapam,
Lawspet, Pondicherry – 605 008
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Site Summary:

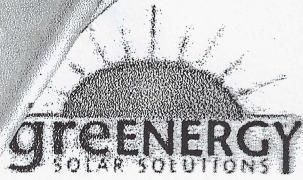
Capacity of Proposed solar power plant	30KWp
Type of Mounting surface	Roof Mounted Structure.
Location	Pondicherry , India
Geo coordinate	Lat: 11.56', Long:79.44'
Structure	Hot Dip Galvanised / Aluminum 11 ~13Deg
Solar Photo Voltaic Panels	Monoper Panel–Tier 1
Solar Inverter	String Inverter
Estimated Annual Generation	49275Units

Scope of work

1. Detailed site Site Assessment and desiging the system required for your site
2. Supply of Solar Power Plant (including Solar Panels, On Grid Solar Inverters, Hot Dip GI/ Aluminum Structure, Electrical AC and DC Cables, DCDBs, ACDBs, Earthing, Lighting Arresstor, Conduits, Cable Trays and other accessories to connect from Solar panels to LTPanel, RMS (Remote Monitoring system) with GPRS /Wifi)
3. Installation of solar power plant.
4. Cleaning and maintenance of the system for first 2 years
5. CIEG & NET metering approvals including DISCOMlaisonng
6. Transportation & unloading
7. Insurance for the entire installation

BILL OF MATERIAL

S.No	Item	Make	Technical Specs	Qty	Unit of Material
1	Solar Panel – Poly Panel	VIKRAM/WAAREE/RENEWSYS/Havells	445wp or above	68*	Nos
2	Solar ON grid inverter/PCU	Growatt ON Grid	30 KW	1	Nos
3	Solar panel Mounting Structure	Customised Hot Dip GI / High grade Aluminium	30KWp	As required	Nos
4	MC4 Connectors	LAPP/ELCOM	High Grade	70	Pairs
5	DCDB	ESV Connect/ Sun Drop /Solar Concepts	4 in 4 out	2	Nos
6	ACDB -1	ARRKAY/ESV/Sun Drop connect	1 in 1 out with Switch	2	Nos
7	DC cable	Siechem/Polycab	4Sqmm / UV protected	300	Mts
8	AC cable – inverter to ACDB	Polycab/Orbit	4 core – 10Sqmm CU	40	Mts
11	Conduits	Finolex/Precision/Ashirvad	As required	85	Mts
13	Cable tie	LAPP	UV resistant , 350mm,250mm	500	Nos



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30	Fire Extinguishing sand bucket	Standard with stand	As per standards	1	pairs
31	Sinages/ Danger plates	Standard	As per standards	A lot	pairs

2. QUOTATION

SNo	Description	Qty	Rate in INR	Price in INR
1	Design, Supply, Installation & Commissioning of ON Grid Solar Power Plant as per above BOM	30KWp 30,000W	INR55/-	INR 16,50,000/-
2	Total			INR 16,50,000/-
3	TAX rate @ 12%			incl
	Total Project cost			INR 16,50,000/-

Amount in words :- (Rupees Sixteen Lacs Fifteen Thousand only)

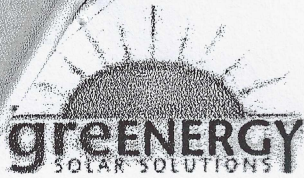
Terms and conditions

1. Above price is inclusive of taxes and duty as per present GST rules and regulations.
2. Above price is inclusive of packaging, freight & unloading at your site premises.
3. Price includes CEIG approval / EB Statutory Clearances and Approvals from EB Department for solar connection.
4. Price includes civil work with M20 Grade foundation for ground mounted/roof mounted structures.

5. Terms of payment

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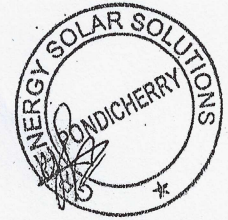
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- a. Advance along with Purchase order :-70%
 - b. Against Delivery of solar panel, Inverter & structure :-20 %
 - c. Balance 10% after successful commissioning
6. Delivery & installation period : - 3 weeks from the date of Advance & PO release
 7. Warranty/Guarantee :-
 - A. Solar Panels
10 Years Manufacturing defect warranty
27 Years Performance Warranty
 - B. Inverter –7 Years Warranty
 - C. Balance of the System - 5 Years Warranty
 - D. Equipments like MCBs /SPDs don't fall under warranty.
 8. This quotation is valid of 30 days from the date of offer.



We do hope that our Offer is Competitive and request you to release your valuable work Order at the earliest. Should you have any clarification, kindly contact us .

for GREENERGY SOLAR SOLUTIONS

Sd/-
S.KANNAN

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Plant SLD

