

TECHNO COMMERCIAL PROPOSAL
(3- ϕ , 250 KW, Half Cut Mono-crystalline)

Date: 23/11/2022

P. Ref. No.: SN/Solar/202211011

To
M/s Maa Vankaal
Jodhpur,

Introduction:

Solar Nation was set up with a focus on developing Solar as sustainable energy alternative India. We aim to develop long-term partnership with our clients, supporting their growth by consistently delivering quality projects. Today, we are the top-class EPC and O&M Contractor for small, medium and large scale Solar Power Projects.

Glimpse of Our Work



80Kw Balotra



100 Kw Jodhpur



115Kw Balotra



140 Kw Balotra

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50Kw Mogra



180 Kw Jaipur

Job Completed

Sr. No.	Name of the work	Wok Value	Name of the Assignor Company	Status
1	Pile Grouting work for 5x10MW solar plant at that pokhran	7650000	Today Green Energy	Completed
2	Construction of Murrin Road in side plant area at 5x10MW solar Plant at That pokhran	5400000	Today Green Energy	Completed
3	Construction of MCRs ICRs and auxillary foundations at 5x10MW solar Plant at That Pokhran	11500000	Today Green Energy	Completed
4	Pile Grpitiomg work for 2x3MW solar at palwal village Gadwal Telangana	5566400	Sterling and Wilson	Completed
5	Construction of MCRs ICRs and auxiliary foundation at 2x12MW solar plant at palwl village Gadwal Telangana	12600000	Sterling and Wilson	Completed
6	Pile Grouting work for 2x12MW solar plant at sadasvepet Telangana	3200000	Sterling and Wilson	Completed
7	Construction of MCRs ICRa and auxiliary foundation at 2x12MW solar plant at palwal village Gadwal Telangana	5200000	Sterling and Wilson	Completed
8	Construction of 132 kv switch yard at 2x12MW solar plant at sadasivpetl telangana	4800000	Sterling and Wilson	Completed
9	Construction of 132 KV switch year at village indur Tandur Telangana	18200000	Sterling and Wilson	Completed
10	Construction af Additional Foundation for 2x12MW solar plant at palwal village Gadwal Telangana	7200000	Sterling and Wilson	Completed
11	Construction of In MCR and 4 Ns ICR at village gant, Kurnool AP	14700000	Sterling and Wilson	Completed
12	Construction of 6 nos ICRs and Collection Cambers at Indur Tandoor	5200000	Sterling and Wilson	Completed
13	Construction of 9nos ICRs end 1 no MCR at village gani	1410000	ABB	Completed
14	Supply and fixing chain Fancing around Transformer yerd	4500000	ABB	Completed
15	Construction of 20 nos IR at Village Tirumani Pavgada	2230000	Belectric	Completed
16	Construction of Switchyard, MCR and 10 ICR at Kesinga, Odisha	21000000	G&E Pvt Ltd	Completed
17	Piling Wok at Chayan	2800000	Tata Solar Power	Completed

➤ 570 Kw project in progress in Nimbhaera , Rajasthan.

➤ Mono-Crystalline

Technical Proposal:

Equipments / Items and Specifications:

S. No.	Components	Particulars	Specification	Quantity
1.	PV Modules	LONGI JINKO JA Canadian	535-550Wp	250 Kw
2.	Structures	GI Pipe Tripod Structure	Apollo Make	As/Req.
3.	Solar Inverter	Growatt	3- ϕ , 125 KW with Wi-Fi connected (On – Grid)	2
4.	Net Meter	HPL Genus	3- ϕ , 420-430 V, 50 Hz, Digital display	1
5.	Solar Meter	HPL Genus	3- ϕ , 420-430 V, 50 Hz, Digital display	1
6.	ACDB	Standard Make	As per design (Polycarbonate Box)	1
7.	Earthing Rod	True Power	17mm x 2m with 25 kg earthing Enhancement chemical	6
8.	Lighting Arrestor	Copper bonded	Φ 25 x 1.2 mm Copper Bonded	1
9.	MC ₄ Connectors	Standard Make	IP68	As/Req
10.	DC Solar cables	Polycab	4 sq. mm x LPO, copper conductor	As/Req.
11.	AC LT cables	Polycab / Havells/RR	As per drawing	As/Req.
12.	Walkway	Redoxide MS Painted	As per drawing	

Project Cost (Mono-Crystalline) included GST

S. No.	Description	On Tin Roof
1.	Turnkey EPC prices for Design, Supply, Erection, Testing & Commissioning of 250 KW Solar Power Generating System	94,35,000
2.	GST	11,90,000
Total (GST Included)		1,06,25,000 /-

➤ Discom Legal & Liasioning Fees included above.

Product Warranty / Manufacturing Defect Warranty

S. No.	Components	Particulars
1.	Solar modules	12 Year Product Warranty against manufacturing defect and poor workmanship Performance Warranty: 90% Rated Power Output at end of 10th years and 80% Power at end of 25th year .
2.	Inverter	07 Years
3.	Module Mounting Structure	1 Year (Against damage caused by Poor workmanship)
4.	Original company warranty other component (ACDB, DCDB, LT cables, DC cables, Fuses, LA, Earthing , MC ₄ connector.	

VIABILITY COST REPORT OF 250 KW SOLAR POWER PLANT	
Size of plant(in Kw)	250
Average Unit generation per Kw/per day (in Kwh)	4.2
Total Power Generation(Per Day in Kwh)	1,050
Savings Per Day (In INR)	8,400
Savings Per Month (In INR)	2,61,000
Savings Per Year (In INR)	31,25,000
PAYBACK Period	04 Years

➤ SCOPE OF WORK

- Scope of Solar Nation**

- Design, Supply, Erection, Testing & Commissioning of 250 KWp Solar Power Generating System.
- All statutory approvals and sanctioning of project.
- Testing and commissioning of solar project.

- Scope of Customer**

- We have assumed that solar power shall be evacuated your HT side at 415V within the plant.
- Indoor Space provision for all control panels (if applicable) and Inverters supplied by us will be in Customer's scope.
- General Electric points arrangements near site for project work.
- Availability of drinking water for project team.
- Material security within plant premises during construction phase