



DISTRICT PROJECT OFFICE, SAMAGRA SHIKSHA (SS), SAMBALPUR
{2NDFLOOR, COLLECTORATE, SAMBALPUR-768001}



No. 67/CW/2024 Dated 16/03/2024
**SHORT TENDER CALL NOTICE FOR INSTALLATION OF THREE NOS OF
SOLAR PANEL**

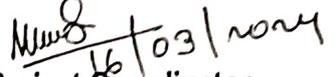
Sealed tenders are invited from the reputed & credible firms / agencies for supply and installation of solar panel in two bid systems (Technical & Commercial Bid) under STARS project as detailed below.

Name of the Tender	Amount of EMD	Last Date & time of receipt of Bid	Date & time of opening of Technical Bid
Installation of Solar Panel at 3 no of KGBV(at Bamra,Hirakud & Naktideul)	Rs.45,000/-	Dt. 27 /03/2024 Up to 05.00 PM	Dt. 28/03/2024 At 11.00 AM

The detailed BID document is available in the website www.sambalpur.nic.in Interested and eligible agency / firm may download BID DOCUMENT from the above website and apply accordingly. Corrigendum / addendum, if required, will be uploaded in the above web site. Hence potential bidders are requested to be in continuous touch with the above web site.

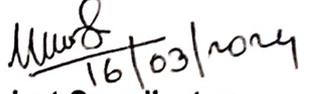
The Tender Inviting Authority (TIA) reserves the right to accept / reject any full or part / all BID/ cancel the entire selection process at any stage without assigning any reason thereof.

By the approval of Collector-cum-Chairman,SS, Sambalpur


District Project Coordinator
SS,Sambalpur

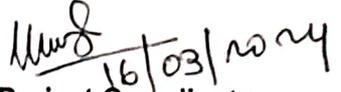
Memo No. 68 /03/2024 Dt. 16 /03/2024

Copy submitted to DIO NIC Sambalpur, he is requested to hoist the short tender call notice in district web site,


District Project Coordinator
SS,Sambalpur

Memo No. 69 /03/2024 Dt. 16 /03/2024

Copy submitted to DIPRO Sambalpur,She/ he is requested to publish the short tender call notice in two odia daily,


District Project Coordinator
SS,Sambalpur

Terms and Conditions

id of Rs 45,000/- (Rupees forty-five thousand) only to be submitted along with d in shape of TDR pledge to District Project Coordinator, SSA, Sambalpur. Copies of GST return (LATEST), Income Tax return (AY 2022-23) along with copies of PAN and ,T registration shall be submitted along with the technical BID.

3. Experience Criteria: The Bidder should have successfully supplied and Installed Solar products to any Govt. Department (Odisha Government) for 2 years, before the bid opening date along with order value for minimum 40% of the Quantity in a Single Order through competitive bidding i.e. Reverse Auction mode. Copies of relevant contracts to be submitted along with bid in support. (Copy of Purchase Order / Supply Order). Tampering of Purchase Order / Supply Order /shall be rejected out rightly without assigning any reason thereof). Legible copy of the Purchase Order / Supply Order shall be submitted for technical qualification, if not the sellers shall be rejected out rightly without assigning any reason thereof.
4. Bidder must have minimum average turnover of Rs. 1 Cr. Annual in above products for last 3 years.
5. Purchase Preference should be given to local MSME (i.e. registered firm of ODISHA) for better service.
6. OEM must have dedicated servicing center in district of Sambalpur, with dedicated contact numbers.
7. Payment shall only be done after TDS on submission of completion certificate and verification by the purchaser.
8. Scope of supply includes Transportation, Installation, Commissioning and GST Charges to be included in the bid.
9. It is highly advisable to all bidders to visit the site and submit feasibility report along with photographs before quoting due to remote and non-motor able area.
10. Detailed test certificates approved by OEM of all the individual items given in the system should be submitted along with the bid. Solar module, solar inverter, solar battery, structure STAAD report for sustaining ≥ 200 km wind speed, cables datasheet, p90 report should be submitted at the time of bid submission.
11. Undertaking that all the certificates / permissions / documents are valid and correct as on date and have not been withdrawn / cancelled by the Issuing authority.
12. Major items in Solar off grid power plant like: solar modules, solar inverter and solar batteries Must be from a single OEM for smooth service.
13. Complete BOM, specification, OEM make, quantity, warranty in years should mentioned in letterhead duly signed by designated authority.
14. Warranty confirmation certificate from OEM on solar products like solar modules, inverter and battery duly signed.

COMPLETION TIME: 5 days from generation of Contract Order. Non-completion within the
s in the contract shall attract penal charges.

The bidders are requested to submit the details about their product in their letter head, duly
signed during submission of technical bid. Basing on their product specification, and other
requirement as per the terms and conditions in the BID technical evaluation shall be made,
thereafter acceptance of technical BID.

17. Noncompliance of any of the Terms & Conditions mentioned in the Bid, the bidder / seller shall be rejected.
18. Sealed bid must be addressed to O/o the District Project Coordinator,SS, Sambalpur, 2nd Floor Collectorate Building, Kachery Road Sambalpur, Pin 76800.It must be received through Speed Post / Registered Post / Courier only to the address as specified above during the office hour only). Submission of proposal through other mode by 5 PM of dt27/03/2024 and late bid will be rejected. It will be opened on dt28/03/2024 at 11 AM in presence of bidder or authorized representative at DPC Conference hall at 2nd floor Collectorate Sambalpur. Technical bids will be opened first and thereafter financial bids of technically qualified bidders will be opened. If the L-1 rate is in excess of approved budget amount. Than the authority reserves the right to negotiate with L-1bidder.
19. Bidder must submit the notarized affidavit regarding non-blacklisted from any Govt Organization in Non-Judicial Stamp Paper with appropriate value Rs 500/-.
20. Testing Certificate issued by competent authority for the Product quoted by the Bidder. The product quoted by the bidder should have CE, BIS, ISO & other Test Certificate.
21. Bid specific OEM authorization should be submitted.
22. Detail specifications of items are given separately. The quoted rate of 3 units must be inclusive of all duties, taxes, delivery, installation & wiring etc; at the roof top of KGBVs
- 23.Successful bidder (L-1) must submit performance security @6% of total contract value in shape of TDR pledge to District Project Coordinator, SSA, Sambalpur
- 24.The authority reserves the right to cancel entire tender without assigning any reason thereof.

SPECIFICATION FOR 5 KW (POLY-CRYSTALLINE PANEL WITH PCU AND BATTERY) OFF-GRIDSOLAR POWER PLANT

1. Solar Panel 335W / 24V Monocrystalline- 12 Nos	
Specifications	
Wattage (Wp)	335
Panel Type	Poly-crystalline
Warranty	120 months /300months
Solar Panel Dimension (L*B*T) cm	1976*996*35
Net weight (kg.)	22.5 Kgs
Short Circuit Current, Isc (A)	9.43 A
Maximum Power Voltage Vmp (V)	38.08 V
Open Circuit Voltage, Voc (V)	46.02 V
Maximum Power Current , Imp (A)	8.80 A

FEATURES

- BIS certified POLY Cells type Panel.
- Capacity - 335W, 24V.
- Voltage: Voltage at Max Power (Vmax) — 38.08V, Open Circuit Voltage (Voc) — 46.02V
- Current: Current at Max Power (Imax) — 8.80A, Short Circuit Current (Isc) 9.43A
- 25 years performance warranty.
- BIS certified as per IS/IEC standards which is mandatory for all solar panels.
- Best in Class conversion efficiency.
- Anti-reflective coating and back surface (BSF) for more light absorption.
- Advanced EVA (ethyl vinyl acetate) encapsulation to give better protection to modules.
- High strength light-weight aluminium frame design for high torsion resistance against winds and snow loads.
- PID resistance Technology (Potential-Induced Degradation) for safety against substantial power loss due to stray currents triggered by certain climate conditions.
- Excellent Low light performance in low visibility in clouds, evening and morning.

2. SOLAR MPPT PCU 5 KVA/48V 1 NOS

Type of charger	MPPT
Maximum PV power	5000W
Solar input voltage (VOC)	130V-220V
Solar MPPT voltage range	110V-180V
No. of MPPT Channels	1
Input Supply Phase	Single Phase
Input Voltage Mains mode (Regulated UPS Mode)	180-260 Vac
Mains mode (Unregulated UPS Mode)	140V-280V
No. of Batteries	8
Battery Charging Current from Solar	30A
Battery Charging Current from Grid	0A, 4A-20A (user settable)
Charging Stages	Boost, Absorption, Float
Type of Battery	Tubular/SMF/Flat
Switching Element	MOSFET
Control	32 Bit DSP Controlled

Nominal Output Voltage (V)	230V ± 10%
Output Supply Phase	1 phase 2 wires
Nominal Frequency	50Hz
Nominal Output Current	17.5A+/-1A
Output Voltage Distortion(THD)	<=5%
Transfer Time	<20mS
Protection	Overload Mains Load, Overload on Battery, Reverse Polarity, Short Circuit, Over Temperature, Low Battery
Display Parameters	UPS On, Battery Low, Mains On, Smart Charge/ Boost Charging, Battery Charged/ Float Charge, Overload, Over Temperature Protection, Short Circuit under Battery Mode, MCB Trip/ Short Circuit in Mains Mode
Indications	UPS On, Battery Low, Mains On, Smart Charge/ Boost Charging, Battery Charged/ Float Charge, Overload, Over Temperature Protection, Short Circuit under Battery Mode, MCB Trip/ Short Circuit in Mains Mode
IP Protection Level	IP20

FEATURES

- Rated AC power - 230V, 26A, Single phase.
- Max Supported Panel Power - 5000 Wp, Input Voltage Range (Vmp) - 110V-180V.
- Charge Controller - MPPT, Input Voltage 130V-220V.
- Nominal Battery Bank Voltage - 48V.
- Intelligent system with 32 bit DSP Controller which enables it to handle multiple algorithms efficiently.
- Inbuilt MPPT charge controller extracts upto 30% more power from Panels.
- Inbuilt isolation transformer to protect from grid surges and noise.
- Selectable source priority: Choose source priority from solar, battery and grid.
- User friendly Informative LED Display for time charging, Supply etc.
- Dual MCB protection against short circuit protection for AC and DC.
- Safe for your home with comprehensive protection features such as short-circuit, reverse polarity, battery over-charge and battery deep-discharge.
- Pure sine wave output for safety and noiseless operation of connected appliances.
- Compliance to most of the National & International standards for safety and efficiency and reliability, such as IEC- 61683, IEC - 60068 - 1,2,14,30, IEC 60529.
- Power factor must be less than 0.8.
- This product should be BIS certified .
- Warranty must be 2 years.
- Solar generation data of minimum one month should be displayed on the Display.
- Data logger should be attached with all possible arrangements to access the generation report remotely.

3. TALL TUBULAR BATTERY c@10 150 AH- 08 Nos Specifications

Specifications

Parameter	Specification
Application Area	Commercial Applications
Capacity	150 Ah
Warranty	60* months (5 YEARS)
height up to terminal (± 3 cm)	44.0 CM
Length (± 3 cm)	50.2 CM
Breadth (± 3 cm)	19.1 CM
Filled weight ($\pm 5\%$ Kg)	60 kg
Electrolyte Volume $\pm 5\%$ Ltr	20.6 ltr

FEATURES

- 150 Ah Rated Capacity @ 12V.
- Warranty - 60* Months
- Tubular plate Technology - Next generation tall tubular battery with better charge acceptance and long Back up.
- Long cycles (1500 @80% DOD, 5000 @ 20% DOD), ensuring design life.
- Longer life without discharge with self-discharge rate of 3% per month STC.
- Efficient battery with Higher AH efficiency > 90%, and WH efficiency 80%.
- Low maintenance with a topping frequency of 8-10 months, low maintenance with level indicators.
- Manufactured with high corrosion resistant and robust spine technology using the advanced and state-of-the-art HADI high pressure (at 100 bar) spine casting machines, which ensure a super fine grain structure, for strength, long life and highest reliability.
- Designed with thicker positive plates and 20% more electrolyte to withstand power outage.
- Must have BIS certified.

DISTRICT PROJECT OFFICE, SAMAGRA SHIKSHA (SS), SAMBALPUR
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No. 70/ CD/2024 Dated 16/03/2024

SHORT TENDER CALL NOTICE FOR INSTALLATION OF THREE NOS OF SOLAR PANEL

Sealed tenders are invited from the reputed & credible firms / agencies for supply and installation of solar panel at 3 no of KGBV(at Bamra,Hirakud & Naktideul)in two bid systems (Technical & Commercial Bid) under STARS project.

Last Date & time of receipt of Bid: Dt 27/03/2024 up to 5 PM

Date & time of opening of Technical Bid: Dt.28/03/2024 at 11AM

For detail please visit www.sambalpur.nic.in

By the approval of Collector-cum-Chairman,SS, Sambalpur


District Project Coordinator
SS,Sambalpur

Check list of documents & Items to be enclosed with Technical Bid

Sl. No	Nature and Type of Document/Items	Whether enclosed (with page reference)	
		Yes / No	Page no.
1	GST Registration Certificate and Copies of GST return (LATEST)		
2	Income Tax return (AY 2022-23) along with copies of PAN		
3	Experience: The Bidder should have successfully supplied and Installed Solar products to any Govt. Department (Odisha Government) for 2 years		
4	Minimum average turnover of Rs. 1 Cr. Annual in above products for last 3 years.		
5	Udyam Registration.		
6	OEM must have dedicated servicing centre in district of Sambalpur, with dedicated contact numbers		
7	Detailed test certificates approved by OEM of all the individual items given in the system should be submitted along with the bid. Solar module, solar inverter, solar battery, structure STAAD report for sustaining ≥ 200 km wind speed, cables datasheet, p90 report		
8	Undertaking that all the certificates / permissions / documents are valid and correct as on date and have not been withdrawn / cancelled by the issuing authority		
9	Warranty confirmation certificate from OEM on solar products like solar modules, inverter and battery duly signed		
10	EMD in shape of TDR pledge to DISTRICT PROJECT COORDINATOR SSA SAMBALPUR,		
11	Bidder must submit the notarized affidavit regarding non-blacklisted from any Govt Organization in Non-Judicial Stamp paper with appropriate value Rs 500/-		
12	Bid specific OEM authorization		
13	Testing Certificate issued by competent authority for the Product quoted by the Bidder. The product quoted by the bidder should have CE, BIS, ISO & other Test Certificate		
14	Complete BOM, specification, OEM make, quantity, warranty in years should mentioned in letterhead duly signed by designated authority		

Place:
Date:

BIDDER/S'S OFFICIAL SIGNATORY
Name & Designation with Rubber Stamp/
Official Seal of the Firm.

(In Bidder's Letter Head)

Financial BID

Sl No.	Items	Required quantity	Rate per unit including all duties, taxes, transportation & installation up to respective KGBV points and commissioning (in Rs.)	Total (In Rs.) (both in figure and words)
1	2	3	4	5=3x4
1	Supply & Installation of Solar Panel (As per technical Specifications)	3		

Place:

Date:

BIDDER'S OFFICIAL SIGNATORY

Name & Designation with Rubber Stamp/

Official Seal of the Firm.