



केन्द्रीय द्वीपीय कृषि अनुसंधान संस्थान

ICAR - CENTRAL ISLAND AGRICULTURAL RESEARCH INSTITUTE
अंडमान तथा निकोबार द्वीपसमूह

ANDAMAN AND NICOBAR GROUP OF ISLANDS

भातू बस्ती, गाराचरमा डाक, पोर्टब्लेयर - 744 105, भारत

BATHU BASTI, GARARCHARM P.O., PORT BLAIR - 744 105, INDIA
FAX NO. 03192-251068 PHONE NO: 250235, 250436

email: Sridham.Biswas@icar.gov.in ; director.ciari@icar.gov.in;



F.No.ICAR-CIARI/ST/Solar power plant /2023-24

Dated: 22.02.2024

To

M/s. Eco Solis Green Engineering,
Office, 90/3/8 Behind RSN Godown,
Dollygunj,
Port Blair - 744 103

Sub:- Supplying, Installation, Commissioning and testing of 10 KVA Off Grid Solar power plant - reg.
Ref:- Tender I.D. No.2024_DARE_7.90936_1 dated 17.01.2024.

Sir,

With reference to the above, I am directed to place this order for supply of 10 KVA Off Grid solar power plant with Lithium battery, Inverter Solar panel of Waaree(Make) as per you offer and the terms & general conditions mentioned as under:

| S.No. | Name of the item /specification | Quantity | Rate(Rs.) | Amount(Rs.) |
|-------|--|----------|-----------|-------------|
| 01 | Supplying of Solar panel supporting structure made up of aluminium micro rail (300mm (L) x 30mm (H) with SS nut bolt and fixing on the existing G.I/Aluminium/corrugated sheet roofing for fixing 18 nos of solar panel as mentioned in item at SI No 2. | 01 Job | 25,000/- | 25,000.00 |
| 02 | Supplying of Solar Module, Mono Perc/ crystalline, 530 to 550 Wp (Voc = 46.74V, Vmp = 40.8V, Isc = 13.94A, Imp = 13.36A) and fixing it on panel supporting structure as per the requirement etc complete. | 18 Nos | 23,500/- | 4,23,000.00 |
| 03 | Supplying of 4 Sqmm copper DC Cable polycab/Microtek/KEI or approved make and connecting it to solar panel and electrical installation etc complete as required. | 100 m | 75/- | 7,500.00 |
| 04 | Supplying of 4 Sqmm copper AC cable polycab /Standard or approved make and connecting it to off grid inverter and other electrical installation etc as required complete | 30 m | 80/- | 2,400.00 |

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| | | | | |
|----|--|--------|------------|--------------|
| 05 | Supplying of lithium battery suitable for solar power generation, 172 AH, 96 V 10 KVA and installation of it in appropriate location as required including connecting the battery terminal with required cable etc complete | 1 No | 3,70,000/- | 3,70,000.00 |
| 06 | Supplying of IP 65 protection off grid inverter of capacity 10 KVA, 3 phase, 50-60 Hz, 98.8 efficiency and installation of it in suitable location including connecting it with required electric cable. | 1 No | 3,10,000/- | 3,10,000.00 |
| 07 | Supplying of IP 65 protection AC distribution box suitable for 10 KVA solar plant of R K Tech/Ultech/Kshipra or Kshipra make or approved make. | 1 No | 3,000/- | 3,000.00 |
| 08 | Supplying of IP 65 protection DC distribution box suitable for 10 KVA solar plant and fixing it on vertical or on any surface as required etc complete including connecting electric cable to it etc complete. | 1 No | 3,000/- | 3,000.00 |
| 09 | Supplying of Earthing system made up of Copper bonded, 1meter, 17.2 mm Dia with a piece of copper plate, 250 mm thick fixed at the top end of the rod of Protectwell make or any other make and fixing it in different plocation as per the requirement, (Suitable for 10 KVA solar project) | 3 Nos | 2,500/- | 7,500.00 |
| 10 | Supplying of lightening arrester made of Copper rod, Conventional Type, Protectwell make or approved make suitable for 10 KVA Solar power plant project and fixing it on the roof as required complete. | 1 No | 2,000/- | 2,000.00 |
| 11 | Supplying balance of system (BOS) such as Lugs, Ferrals, Insulation Tape, Cable Tie, Rawal plug, Saddle, Pipe, SS Nut bolts, Screw etc of approved make and quality complete as required. | 1 Set | 5,000/- | 5,000.00 |
| 12 | Supplying of MC4 male and female connector, TUV approved, Ningbo/standard make or approved quality make and fixing it in appropriate etc complete. | 12 Nos | 100/- | 1,200.00 |
| 13 | Supplying of 32 A, 2 pole, 220 V change over switch and fixing it on wall surface, connecting it with cable etc complete as required. | 1 No | 5,000/- | 5,000.00 |
| | Total | | | 11,64,600.00 |

Terms & Conditions:-

1. The Supplying, Installation, Commissioning and testing of 10 KVA Off Grid Solar Power plant should be made within 30 days from the date of issue of this supply order .
2. The above prices are inclusive of all costs, taxes/GST, transportation, labour charges, loading and unloading charges, tools and tackles etc. for delivery, Installation and Commissioning of the solar power plant and upto the destination and our site at ICAR-CIARI, Garacharma, Port Blair.
3. Payment :- 100% of the contract price on receipt of items by the consignee in good conditions as per the specification of the tender terms and Installation of the solar power plant at our site ICAR-CIARI, Garacharma, Port Blair. The Institute will not pay any such expenditure separately to the supplier.

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4. The payment of the Solar power plant will be made within 30 days from the delivery/Installation at Library building, Garacharma of this Institute as per the satisfaction of I/c. Estate Section, ICAR-CIARI, Port Blair and on submission of bill in triplicate.
5. The firm should submit Performance Security of Rs. 34,938/- (Rupees Thirty four thousand nine hundred thirty eight only) in the shape of Demand Draft/Bank Guarantee drawn on any Nationalized bank in favour of "ICAR UNIT CARI" Payable at SBI Garacharma Branch (Code No. SBIN 0009670) Port Blair within 10 days from the date of issue of this order failing which, this order will stand cancelled. The Performance security must be valid for a period of 60 days beyond the date of completion of all contractual obligations of the supply including warrantee obligations. The Performance security will be released on satisfactory completion of all contractual obligations including warrantee obligation.. In case of failure to complete the work within the stipulated period the performance security shall be forfeited.
6. The firm shall be responsible for any damage during the transit of the items .
7. If any parts are faulty during warranty period the firm should repair/replace with original OEM Products at their own cost.
8. The Solar Power Plant shall be brand new and have Standard Guarantee/Warrantee for atleast two year from the date of delivery/Installation and commissioning.
9. ICAR-Central Island Agricultural Research Institute, Port Blair is exempted from payment of Excise Duty /Customs duty. GST vide Govt. Notfn.No. 51/96-customs dated 23rd July, 1996; Notfn. No. 47/2017-Integrated Tax(Rate) dated 14th Nov. 2017, Notfn No.45/2017-Central Tax (Rate) dated 14th Nov 2017 and Notfn No.45/2017-Union Territory Tax(Rate) dated 14th price of the products should be exclusive of GST and may be shown separately, if applicable, to avail exemption /concession against DSIR Certificate.
10. Dispute resolution: Decision of Director of the Institute shall be final for any aspect of the contract and binding to all parties. Disputes arising, if any on the contract will be settled at his/her level by mutual consultation and in case of failure of settlement dispute shall be referred to the sole Arbitrator to be appointed by the Director of the Institute .The decision of the sole Arbitrator so appointed shall be final and binding on the parties. Arbitration proceedings shall be governed by the Arbitration Constitution Act – 1996. The seat of Arbitration will be Port Blair and language will be English. Laws of India in force will be applicable.
11. Liquidated Damage:- In case the firm does not complete the supply within the stipulated period. Liquidated damages will be charged @ 0.5% per week or part thereof subject to a maximum of 10% of the contract value. However, the Institute reserves the right to either extend or cancel the contract after expiry of delivery date and recover the liquidated damages from the date of the firm.
12. In case of dispute of any nature, the jurisdiction will be Port Blair only.
13. The Supplier should provide AMC service for next 4 year for the offered products at the rate not more than 3% of contract price per annum after expiry of warranty period.
14. The seller should guarantee the rectification of goods in case of any breakdown during the guarantee period.
15. The Director shall have the liberty to postpone or not to execute any item of work and the Contractor shall not be entitled to any compensation for non-execution of such items of work.
16. During execution no change shall be made by the Contractor in the approved specifications of the items at site without the consent of Incharge Estate Section.
17. Quantity of items/Work may be increased or decreased according to the actual need of work and hence deviation of work shall be undertaken as per quoted rate without asking any compensation.
18. When the construction/Installation work is going on, the Contractor has to depute a supervisor or he has to present himself at work site till the work is completed .In absence of the above, the work carried out will not be considered for payment.
19. The Director CIARI, Port Blair also reserves the right to cancel the order, after award of supply order due to some administrative /technical reasons.

Yours Sincerely,

(Sridham Kumar Biswas)
Sr. Administrative Officer I/c.

Sridham
22/02/24

Copy to :-

1. Er. M.Arul Selvam, ACTO, I/c. Estate Section, ICAR- CIARI, Port Blair for Information
2. Dr.T.Sujatha, Pr.Scientist (Vigilance Officer), Animal Science Division, ICAR-CIARI, Port Blair.
3. P.S. to Director for kind information of the Director, ICAR-CIARI, Port Blair.
4. Finance & Accounts Officer I/c, ICAR-CIARI, Port Blair.
5. Bill & Cash Section, ICAR-CIARI, Port Blair
6. Central stores, ICAR-CIARI, Port Blair.
7. I/c AKMU Cell , ICAR-CIARI, Port Blair with the request to upload the Supply order in Institutewebsite