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**ANERT**

**Agency for New and renewable Energy Research and Technology**

നവീനവും പുനരുപയോഗയോഗ്യവുമായ ഊർജ്ജ ഗവേഷണങ്ങൾക്കും സാങ്കേതിക വിദ്യകൾക്കുമുള്ള ഏജൻസി

DEPARTMENT OF POWER, GOVERNMENT OF KERALA

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No. ANERT-TECH/68/2021-PE1(RTS)

12/07/2021

### **RE-QUOTATION NOTICE**

#### **Sub: - ANERT – Repair and Reconditioning of 1 No of 1kW Off-Grid Solar PV Power Plant - reg**

Sealed competitive quotations are invited from reputed Manufacturers / System Integrators for the Repair and Reconditioning of 1 No. of 1kW Off-Grid Solar Power Plant at the residence of Shri. Nina Pillai Chacko (Kanianparambil, Vazhuvady, Thazhakkur PO, Mavellikara, Alappuzha – 690102, Mob: - 9142141674). The requirements are as follows

1. The overall specifications of the off-grid solar power plant should be the same as the specifications prescribed for the “10,000 Rooftop Solar Power Plant Programme of ANERT”
2. All the defective items/ components / accessories installed in the 1 kW Off grid solar power plant should be replaced with equivalent items/ components that are empanelled with ANERT and the power plant should be reconditioned.
3. All the replaced defective items shall be taken by the bidder on buyback basis and should be cleared from the site.
4. The bidder shall quote the prices only after visiting the place of installation for accessing the actual repair and replacement cost before quoting the rates.
5. The output of the PV modules is to be checked and in case the output power of the Solar modules is lesser than acceptable range, it must be compensated with additional PV modules so that the module capacity is less than 1000 Wp.
6. The PCU need to be replaced only if found irreparable, else the same must be repaired and made operational.
7. Only those tubular batteries and the PCU, if found irreparable condition, need to be replaced with equivalent.

8. The technical specifications of the 10000 Rooftop Solar Power plant programme are attached as annexure-I.

The bidders should quote the rates for the repair and reconditioning of the system in the schedule of quantities as appended (Annexure – II). The detailed repair / reconditioning required at the site must be reported and details such as Voltage, Current and Power of PV modules, Voltage and Current ratings of battery must be included in the Technical bid. Envelope containing the quotations should bear the superscription addressed as per the form of Quotation Notice and should reach the Directorate by Hand/Post/Courier.

The full address of the firm should be given on the sealed envelope. Last date and time for receipt of quotations is 19/07/2021 at 3.00 PM. Late quotations will not be accepted. The quotations will be opened at 4 PM on 19/07/2021 in the presence of the tenderers or their authorised representatives who are present at the time of opening. The rate quoted should be inclusive of all taxes, transportation charges, loading/unloading charges etc.

Director

## FORM OF QUOTATION NOTICE

Due date and time for receipt of quotations	19/07/2021, 3 PM
Date and time for opening of quotations	19/07/2021, 4 PM
Date up to which the rates are to remain firm for acceptance	30/07/2021
Designation and address of officer to whom the quotation is to be addressed	The Director, Directorate of ANERT, Vikas Bhavan PO, Thiruvananthapuram - 695033
<b>Superscription:</b>	<b>Repair and Reconditioning of 1 No of 1kW Off-Grid Solar PV Power Plant - reg</b>

Sealed quotations are invited for the works specified in the list above. The rates quoted should be for the complete works mentioned in the schedule. The necessary superscription, due date for the receipt of quotations, the date up to which the rates will have to remain firm for acceptance and the name and address of officer to whom the quotation is to be sent are noted above. Any quotation received after the time fixed on the due date is liable to be rejected. Quotations not stipulating period of firmness and with price variation clause are liable to be rejected. The acceptance of the quotations will be subject to the following conditions.

1. Withdrawal from the quotation after it is accepted or failure to supply within a specified time or according to specifications will entail cancellation of the order and purchases being made at the offers expenses from elsewhere, any loss incurred thereby being payable by the defaulting party. In such an event the Government reserves also the right to remove the defaulter's name from the list of Government suppliers permanently or for a specified number of years.
2. No representation for enhancement of price once accepted will be considered during the currency of the contract.
3. Any attempt on the part of tenderers or their agents to influence the Officers concerned in their favour by personal canvassing will disqualify the tenderers.
4. If any license or permit is required, tenderers must specify in their quotation and also state the authority to whom application to be made.
5. The prices quoted should be inclusive of all taxes, duties, cesses, etc., which are or may become payable by the contractor under existing or future laws or rules of the country of origin/supply or delivery the course of execution of the contract.
6. Any sum of money due and payable to the successful tenderer or contractor from Government shall be adjusted against any sum of money due to Government from him under any other contracts.
7. Payment will be made only after completing the works upon the satisfactory performance of the work awarding authority.
8. Special conditions, if any, printed on the quotation sheets of the tenderer or attached with the tender will not be applicable to the contract unless they are expressly accepted in writing by the purchases

**To Be Provided in Letter Head Duly Signed and Sealed**

<b>REPAIR AND RECONDITIONING OF 1 NO OF 1KW OFF-GRID SOLAR POWER PLANT</b>				
<b>S/N</b>	<b>Item</b>	<b>Rating</b>	<b>Rate</b>	<b>AMOUNT</b>
1	Repair and Reconditioning of Off Grid Solar Power Plant without replacement of components	-	-	
2	Cost for replacement with equivalent PCU		1No	
3	Cost for replacement with equivalent Battery		1No	
4	Cost for replacement with equivalent PV module		1No	
5	Service Charges	-	-	
<b>Total (A)</b>				

**Buyback Price for the faulty components (B) =**

Total Amount (A) – (B)

(In Words): -

Date:-

Authorised Signatory

**SYSTEM COMPONENTS- TECHNICAL COMPLIANCE FOR SYSTEM COMPONENTS (10000 Rooftop Scheme)**

S/N	System Component	Capacity/ rating	Minimum Technical Compliance
1.	Solar Modules	1000 Wp	IEC 61215 / IS14286;
			IEC 61730 Part 1 & II;
			IEC 61701
2.	Inverter	1kW	IEC 61683 / IS 61683 (Efficiency 85% and above) THD <5%
			IEC 60068-2 (1, 2, 14, 30) / Equivalent BIS Std.
3.	Battery	7200Whr $\pm$ 4	IS1651/IS13369 IS1651/IS13369 /IEC
4.	Cables	As required	IEC 60227 / IS 694
			IEC 60502 / IS 1554 (Pt. I & II)
5.	Switches/ Circuit Breakers/ Connectors	As required	IEC 60947 part I,II, III /
			IS 60947 Part I,II,III
			EN 50521
6.	Junction Boxes/Enclosures for Inverters/ Charge Controllers	As required	IP 54 (for outdoor) or IP 65 / IP 21(for indoor) as per IEC 529
7.	Electrical Grounding (Earthing)	Module array and the PCU	As per IS 3043