



श्री माता वैष्णो देवी विश्वविद्यालय

Shri Mata Vaishno Devi University

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NIQ. No: SMVDU/SOEM/Purchase/23/01

Dated: 22/12/2023

Notice Inviting Quotation

Sub: - Supply, Installation & Testing of Solar PV Training & Research System for Energy Laboratory

Quotations in sealed cover are invited for the **Supply, Installation & Testing of Solar PV Training & Research System** on behalf of Registrar SMVDU for the I/c Head, School of Energy Management at SMVD University from reputed registered Firms / Co-operative Stores / Suppliers or Manufacturers having a valid GST Number and PAN Number, and for supplying rates for the bellow mentioned items/jobs under buyback option;

S. No.	Details of the Items	Quantity
01	Solar PV Training & Research System	01 Set

Specification:-

S. No.	Component	Specification
POWER GENERATING UNIT		
1.	Solar Panels (Two Solar Panels of 40Wp each) <ul style="list-style-type: none">• Power Rating• Maximum Power Voltage• Maximum Power Current• Open Circuit Voltage• Short Circuit Current• Panel Type	40 Wp 18.33 V 2.39 A 22.25 V 2.53 A Poly crystalline
2.	Artificial Sunlight <ul style="list-style-type: none">• Tube Type• Wattage• No. of Tubes per Panel• Total No. Of Light Panels	Halogen 150 W each 6 2
POWER CONDITIONING UNIT		
3.	Measurement <ul style="list-style-type: none">• Module Voltage Voltmeter• Inverter i/p Voltage Voltmeter• DC Load Voltage Voltmeter• Battery Input Voltage Voltmeter• Module Current Ammeter• Inverter i/p Current Ammeter• DC Load Current Ammeter• Battery i/p Current Ammeter• Gen. AC Current Ammeter• Gen. AV Voltage Voltmeter	0-200 V 0-200 V 0-200 V 0-200 V 0-200 V 0-10 A 0-10 A 0-2 A

	<ul style="list-style-type: none"> Temperature Meter 	0-2 A 0-2 A 0-750 V 0-200-degree Celsius
4.	Potentiometer <ul style="list-style-type: none"> Rating 	0-200 ohm/150 Watts
5.	Load Box <ul style="list-style-type: none"> AC Load DC Load 	5 Watt CFL 1.5 Watt*8= 12 watt, 12 LEDs
6.	Protection Fuse <ul style="list-style-type: none"> AC Mains Pot meter Battery-1 Battery-2 	10 A 1.6 A 5 A 5 A
7.	Battery <ul style="list-style-type: none"> Rating Nos. 	12 V, 4.5 Ah 2
RESEARCH UNIT		
8.	DC-DC Converter	
	Auto Mode	
	<ul style="list-style-type: none"> Input Voltage Output Voltage Maximum Load Current 	25V-15V 13.8 V 2.0 A
	Manual Mode	
	<ul style="list-style-type: none"> Input Voltage Output Voltage Gate Signal Switching Frequency Max. Load Current Topology 	25V-0V Depends on Duty Cycle 5V Peak-Peak 20kHz-80kHz 2.0 A Buck Converter
9.	Inverter <ul style="list-style-type: none"> 150-Watt Single Phase Inverter; Input 12 V DC; Output 220V AC 	
DATA LOGGER AND PLOTTER UNIT		
10.	Terminals <ul style="list-style-type: none"> PV Voltage PV Current MPPT Software MPPT Algorithm	Module o/p Voltage is given at these terminals (150 Volts Max.) Module Current is given at these terminals. (2 Amps. Max) Signals for MPPT can be taken out from these terminals


The sealed rate quotations alongwith buyback option should reach the Central Dispatch Section SMVDU latest by **12-01-2024, Friday, 05:00 P.M.** Any quotation received after the due date and time shall be summarily rejected. The sealed bids shall be opened on the next working day at **12:00 Noon.** in the presence of authorized representatives, should they wish to attend the same.

Terms & Conditions

1. Rates should be written in figures as well as words. GST rates, Visiting charges, buyback rate or any other rates/charges, as applicable, and discount if any, should be clearly mentioned in the **Schedule of Quantities [Format enclosed at Annexure 'A']**.
2. The last date for receipt of sealed quotations in the Central Dispatch Section SMVDU is latest by **12-01-2024, Friday, 05:00 P.M.**
3. The quotation / **Schedule of Quantities** should be on the letter head of the Company with reference no. and date on it, duly signed and stamped.
4. The quotations should be submitted in sealed cover, addressed to the Registrar, SMVDU, super-scribing the NIQ issue number & date and due date & time failing which the quotation is liable to be rejected.
5. Price quoted for the material / equipment shall be final and valid for 3 months.
6. Quotation without the authorization from the Company will not be accepted.
7. Delivery of material /equipment / stores mentioned in this quotation will be supplied by the supplier at SMVDU Stores at Kakryal, Katra-182320 (J&K).
8. Rates offered must be for metric system of unit lengths or volume or weight or set.
9. Documents in support of valid GST and PAN Number also need to be enclosed with the quotation.
10. SMVDU reserves the right to increase the quantity mentioned in this NIQ or to split this quotation and place order on one or more suppliers/ bidders; as well as, the right to reject partly or completely, the quotations without assigning any reasons thereof.
11. The quotation should be complete in all respects and the firms shall give the Make/ Brand name offered for the items in the quotations. Wherever applicable, technical literature may please be enclosed along with quotation.
12. The payment will be released after the receipt of all and complete material/equipment with complete accessories in good working condition and its installation, testing & inspection by a duly constituted Inspection Committee.
13. Material/equipment shall be guaranteed for the minimum period of 01 / 02 / 03 [strike off whichever is not applicable] years on site for satisfactory performance, workmanship and for the quality of material/ equipment supplied by the firm from the date of delivery/ installation.
14. Quotation received after DUE DATE & TIME will not be considered. SMVDU shall not be responsible for delays in postal transit.
15. All taxes / duties should be clearly mentioned in the Quotation.

16. **PACKING:** The equipments shall be packed suitably for dispatch directly to SMVDU at Suppliers expenses and supplier shall be responsible for any damage during transit.
17. **AFTER SALES SERVICE:** The offer shall clearly state full details of the after sales service facility available for the equipment.
18. **JURISDICTIONS FOR DISPUTES:** In all disputes, the decision of the Registrar, SMVDU, shall be final, conclusive and binding on the supplier. All disputes shall be subject to the jurisdiction of the courts in the District, Jammu.
19. **DEVIATIONS:** Deviations, if any from the specifications given which provide for improvement in the functioning of the equipments will be accepted. Such deviations and their advantages shall be clearly brought out in the tender / quotation.

The NIQ shall be available on the University Website: www.smvdu.ac.in For any query, contact I/c Head SoEM, SMVDU at the following email id: hod.dem@smvdu.ac.in .

Signatures:.....
HoD, SoEM, SMVDU
Dated:.....22/12/23.....

I/C Head, SoEM

[To be provided on Firm/Company Letter Head]

Schedule of Quantities

Name of the Job: Supply, Installation & Testing of Solar PV Training & Research System for Energy Laboratory

Ref: NIQ Number:..... **Date:**

S. No.	Details of the Item	Quantity	Rate per item	Amount (in Rs.)	Buyback Rate	GST Rate	GST Amount (in Rs.)	Total Amount inclusive of GST (in Rs.)
1								
2								
3								
4								
	Less: Discount if any							
	Add: Delivery Charges if any							
	Net Amount to be paid in Rs.							
	Deliver Period							

Additional Terms and Conditions [if any]:

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Bank details for RTGS Transfer

Name of the Account:

Account No.:

Account Type:

Bank Name:

Branch name and Address:

IFSC Code:

Signature & Stamp of the Supplier