



श्री माता वैष्णो देवी विश्वविद्यालय

Shri Mata Vaishno Devi University

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NIQ. No: SMVDU/SoEM/25/03

Dated: 24.01.2025

Notice Inviting Quotation

Sub: - Supply of Solar PV Grid Tied Training System for Energy Laboratory

Quotations in sealed cover and 2 part (Technical & Financial) are invited for the **Supply of Solar PV Grid Tied Training System** on behalf of Registrar SMVDU for the 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, for the below mentioned Equipment;

S. No.	Details of the Items	Quantity
01	Solar PV Grid Tied Training System	01

Technical Specifications:-

S. No.	Component	Specification
1.	Solar PV Array <ul style="list-style-type: none">Power RatingPanel Type	1000 Wp Poly crystalline and Mono Crystalline, Bifacial etc
2.	Virtual Grid <ul style="list-style-type: none">Output PowerNominal Output VoltageWaveform TypeInput Voltage Range for Battery Charging2 BatteriesIntelligent Battery Management	1000 VA 230 Vac Pure Sine 160-286 V 12 V,7.5 Ah (each) Yes
3.	Measurement <ul style="list-style-type: none">PV Array Voltage VoltmeterPV Array Current AmmeterBattery Voltage VoltmeterBattery Current AmmeterOutput AC Voltage VoltmeterOutput Load Current AmmeterPower Analyzer	0-200 V 0-20 A 0-200V 0-20 A 0-750 V 2 A
4.	Sensed Outputs Vsense	Voltage Transducer LV20-P; Make: LEM Vpn= 10.....500 V Ipn= 10mA
	Isense	Hall Effect based linear current sensor:
5.	Variable Capacitor <ul style="list-style-type: none">4 steps Voltage	0 microfarad, 1.5 microfarad, 3 microfarad ,6 microfarad 220 V
6.	Variable Inductor <ul style="list-style-type: none">4 stepsLoad Current	0mH, 1mH, 3mH,6mH 2 Amp.

Amber

7.	Autotransformer • Single Phase	0-250 V,4 A
8.	Grid Tied Inverter	
	DC Side (Input Side)	
	Max. Input Power	1500 W
	Max. Input Voltage	500 V
	Start-up I/P , Rate I/P	70V/360 V
	MPPT Voltage Range	100V-500 V
	Full Load DC Voltage Range	110-450 V
	Max. Input Current	12A
	Max. DC I/P Short Circuit Current	15 A
	No. of MPPT/string per MPPT	1/1
	Input Terminal type	MC4/H4
	AC output side (Grid Connection)	
	Rated Power/Max. AC Power	1100 W/1100 VA
	Rated O/P / Max O/P Current	4.8 A/ 5.3 A
	Nominal Grid Voltage	220V AC
	Grid Voltage Range	180-276 V AC
	Nominal Frequency	50/60 Hz
	Grid Frequency Range	45-55 /54-66 Hz
	THDi/Power Factor	<3%
	Power Limit Export	Zero export or adjustable power limit export
9.	Accessories for Data Acquisition	

The sealed rate quotations should reach the Central Dispatch Section SMVDU latest by **14/02/2025, 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 **14/02/2025, 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

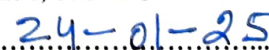
and place order on one or more suppliers/ bidders; as well as, the right to reject partly or completely, the quotations without assigning any reasons thereof.

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 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 Head SoEM, SMVDU at the following email id: hod.dem@smvdu.ac.in .

Signatures:.....

HoD SoEM, SMVDU

Dated:.....

To be provided on Firm/Company Letter Head]

Schedule of QuantitiesName of the Job: **Supply of Solar PV Grid Tied Training System**

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