

INVITATION FOR QUOTATION

TEQIP-III/2019/mntj/Shopping/96

06-Feb-2019

To,

.....
.....
.....

Sub: Invitation for Quotations for supply of Goods

Dear Sir,

1. You are invited to submit your most competitive quotation for the following goods with item wise detailed specifications given at Annexure I,

Sr. No	Brief Description	Quantity	Delivery Period(In days)	Place of Delivery	Installation Requirement (if any)
1	Solar Photovoltaic Training System	1	60 Days	Central Store MNIT Jaipur	yes

2. Government of India has received a credit from the International Development Association (IDA) towards the cost of the **Technical Education Quality Improvement Programme[TEQIP]-Phase III** Project and intends to apply part of the proceeds of this credit to eligible payments under the contract for which this invitation for quotations is issued.
3. Quotation,
 - 3.1 The contract shall be for the full quantity as described above.
 - 3.2 Corrections, if any, shall be made by crossing out, initialing, dating and re writing.
 - 3.3 All duties and other levies payable by the supplier under the contract shall be included in the unit price.
 - 3.4 Applicable taxes shall be quoted separately for all items.
 - 3.5 The prices quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
 - 3.6 The Prices should be quoted in Indian Rupees only.
4. Each bidder shall submit only one quotation.
5. Quotation shall remain valid for a period not less than **55** days after the last date of quotation submission.
6. Evaluation of Quotations,

The Purchaser will evaluate and compare the quotations determined to be substantially responsive i.e. which

 - 6.1 are properly signed ; and
 - 6.2 confirm to the terms and conditions, and specifications.
7. The Quotations would be evaluated for all items together.
8. Award of contract:

The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.

 - 8.1 Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.

8.2 The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the purchase order.

9. Payment shall be made in Indian Rupees as follows:

Delivery and Installation - 90% of total cost

Satisfactory Acceptance - 10% of total cost

10. All supplied items are under warranty of **12** months from the date of successful acceptance of items.

11. You are requested to provide your offer latest by **02:00** hours on **21-Feb-2019**.

12. Detailed specifications of the items are at Annexure I.

13. Training Clause (if any) **Yes**

14. Testing/Installation Clause (if any) **Yes**

15. Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.

16. Sealed quotation to be submitted/ delivered at the address mentioned below,

Coordinator TEQIP-III Prabha Bhawan, Malaviya National Institute of Technology, J. L. N. Marg, Jaipur 302017 (Rajasthan)

17. We look forward to receiving your quotation and thank you for your interest in this project.

18. The penalty clause is as under:

(a) Should the tender fail to deliver the goods within the period specified in the tender form, the recovery of the liquidated damage, and not by way of penalty, a sum equal to the percentage of the value of stores which the tenderer has failed to supply for period of delay will be made as stated below:

I. Delay up to one month	1%
II. Delay exceeding one month up to two month	2%
III. Delay exceeding two month up to three month	5%
IV. Delay exceeding three month.	5 % for each month and there Of subject to Maximum10%

In case the supplier is unable to supply the material within the specified period due to unavoidable circumstances/ justified reasons, he should apply to the Director of the Institute well in time before expiry of the specified date for extension of the time with the request to waive the liquidated damage charges which is at the discretion of the Director, MNIT, Jaipur.

(b) In case of failure to supply the goods within the prescribed time and in accordance with the specifications given in the quotations, the Institute shall be free to cancel the order and make purchase from the next higher tenderer /from the open market as the case may be.

In that case the loss sustained by the Institute shall be recovered from the defaulting supplier. The Institute will be at liberty to recover the loss from the permanent earnest money and /or any other pending. Claims of the supplier without prejudice to its general rights to effect recovery from the supplier.

(Authorized Signatory)
Name & Designation

Annexure I

Sr. No	Item Name	Specifications
1	Solar Photovoltaic Training System	<p>Detailed Specification of Solar Photovoltaic Training System</p> <p>a) Hybrid solar Inverter (1 Number) Wave Type Pure Sine Wave, Rated Capacity 1600 VA, 1000 watt , Nominal Battery Voltage (V dc) 12, Max PV voltage- 90 Vdc PWM ,Voltage 35-70Vdc,Max PV amps- 30Amps,Grid input,Voltage-220±2%,Acceptable Voltage Range 100-290 Vac,Low Voltage Cut-off 110,Frequency 47-53HZ, Output Voltage Regulation in Battery mode 220±2%, Frequency Battery Mode 50Hz, Power Factor 0.8THD <3%Efficiency >85%protectionOverload, deep discharge, short-circuit, Battery low cut off. Charge controller rating 30 Amp, 12 V.</p> <p>b) Grid Tie Solar Inverter (1 Number) Rated Capacity 1800 VAMaximum DC Input power: 1600W.Maximum DC input voltage: 500V DC.Maximum AC min output power: 1650W.Rated output voltage: 220/230/240 V AC.Output voltage range: 184 to 264V.Maximum output current: 11AFrequency 47-53HZMPPT efficiency: 99%.AC Connection: Single- phase. Number of input: 1-4Rated output current: 6.8 A.TDH: <3%</p> <p>c) Off-Grid Solar Inverter (1 Number) Single Phase Power Rating 1 KVA Wave Type Pure Sine WavePeak Efficiency (%) >85%. Regulation in Battery mode 220±2%Frequency Battery Mode 50HzPower Factor 0.8THD <3%Efficiency> 85%protectionOverload, deep discharge, short-circuit, Battery low cut offDC Load Output 12V / 5 AmpNumber of input: 1-4 ProtectionOverload, deep discharge, short-circuit, low battery cut off.</p> <p>d) MPPT Solar Charge Controller (1 Number) Maximum voltage:48Volt.Maximum current: 10-45 Amp Higher cutoff: 49V±1V, Lower cutoff: N/A, Float Voltage:54V±1V, Charging current: 10A-45A, Solar array: Single array, Storage temperature:0⁰C-50⁰C, Intelligent microprocessor control, Silent, Solid State Pulse width Modulation(PWM Charging) process, User selectable Configuration: 12V or 24V or 48V Configuration, Test point allows precise adjustment of setting, Electronic Over current protection, Communication interface with PC or LCD modular for data logging or Parameter display, Protection against various parameter, Potentially increase the charging efficiency by 30%, Real time sensing of voltage and current to optimize charging.</p> <p>e) Solar Battery (5 no.) MNRE approved,C10, 12V/150Ah each with 5 Years or more onsite replacement warranty,Should be Maintenance Free, Should have high Service</p>

		<p>Life,Should possess,Deepdischarge protected technology,Completely spill proof and leak proof</p> <p>f) Si-solar panel (20 no.) With each 40-watt crystalline silicon solar panel V max= 19-22Vdc max current= 2-3amps</p> <p>g) Smart energy meter (5 numbers) TriVector Energy meter, 3Phase 4 Wire, Phase Indication for healthiness, backlit LCD Display, 20-100Amp , Fully featured IEC standard, Certified to IEC 62052-11, 62053-11, Class 1, for active energy, Measures positive and reverse active energy, RMS voltage, RMS current, power factorTOU with4 tariffs and 8 customer billing cyclesMeasures Demand Response every 30 minutes. Two step tariffs can be activated over a designated time (upon time or consumption) Integrated Load Switch (80A), Load disconnection when configurable power thresholds are exceeded Automatic, periodic register meter reading: interval, hour, daily and monthly freeze Event log with circular memory buffer Anti-tamper functions (terminal cover, case open detection and neutral line current measurement).</p> <p>h) Data logger (3 numbers) No. of channels: 8 Compact in Extruded Aluminium body, 8Channal Analog input, with RS485 communication port, 230VAC mains operated, with Free Windows based software for online monitoring Input should be programmable</p> <p>i) Si- solar cell (100 numbers) Power: 0.46W Nominal voltage: 0.5V Material: Polycrystalline Silicon</p> <p>j) Solar System Analyzer (I-V Tracer) (1No.) DC Voltage Measurement Range: 1 ~ 1000 V. Resolution: 0.01 V / 0.1 V / 1 V DC Current. Measurement Range 0.1 ~ 12 A. Resolution 1 mA / 10mA. Irradiance Measurement. Range 0 ~ 2000 W/m² Resolution 1 W/m² Temperature Measurement Range -22 ~ 85 °C Resolution 0.1 °C. AC voltage Measurement 5-250 Volt, 250-600 volt. Resolution 0.1V Power factor. To 1.0Resolution 0.001Frequency45-65 HZ Calculation Series resistance, OPC & STC conversion,. AC to DC conversion efficiency supplied with AC Clamp meter, DC Clamp meter, SS Analyser, Irradiance meter and Thermometers. Should consist rechargeable lithium Battery</p>
--	--	---

FORMAT FOR QUOTATION SUBMISSION
(In letterhead of the supplier with seal)

Date: _____

To: _____

Sl. No.	Description of goods (with full Specifications)	Qty.	Unit	Quoted Unit rate in Rs. (Including Ex Factory price, excise duty, packing and forwarding, transportation, insurance, other local costs incidental to delivery and warranty/ guaranty commitments)	Total Price (A)	Sales tax and other taxes payable	
						In %	In figures (B)
Total Cost							

Gross Total Cost (A+B): Rs. _____

We agree to supply the above goods in accordance with the technical specifications for a total contract price of Rs. _____ (Amount in figures) (Rupees _____ amount in words) within the period specified in the Invitation for Quotations.

We confirm that the normal commercial warranty/ guarantee of _____ months shall apply to the offered items and we also confirm to agree with terms and conditions as mentioned in the Invitation Letter.

We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery.

Signature of Supplier

Name: _____

Address: _____

Contact No: _____

MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY JAIPUR
TEQIP Phase-III

Date: 07.02.2019

The bidders submitting quotations for the supply of items under TEQIP Phase-II must ensure the furnishing of following terms/conditions as specified in the bid invitation:

1. Delivery terms
2. Payment terms
3. Training (wherever specified)
4. Testing /Installation/ commissioning of equipment
5. Quantity as specified
6. Place of delivery
7. Point wise technical specification as specified in the invitation letter
8. Brochure of the quoted model
9. List of the users of the quoted model with complete contact details
10. Successful bidders kindly Provide Performance security @ 10% of the equipment cost, valid for 1Year + 2 months
11. Penalty terms

Any other important point requested in the bid invitation letter