

## INVITATION FOR QUOTATION

TEQIP-II/2016/UP2G02/Direct Contract/103

08-Feb-2017

To,

**Ecosense Sustainable Solutions Pvt.Ltd**

**F-34/8 Okhla Phase-2, New Delhi, New Delhi, 110020**

**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,

<b>Sr. No</b>	<b>Brief Description</b>	<b>Quantity</b>	<b>Delivery Period(In days)</b>	<b>Place of Delivery</b>	<b>Installation Requirement (if any)</b>
1	Solar PV Emulator	1	15	Institute of Engineering & Technology, Sitapur Road Lucknow 226021	Yes
2	Solar PV Grid-Tied Training System	1	15	Institute of Engineering & Technology, Sitapur Road Lucknow 226021	Yes
3	Solar PV Training and Research Kit	1	15	Institute of Engineering & Technology, Sitapur Road Lucknow 226021	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 II**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 **30** 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:

**On Completion - 100% of total cost**

10. All supplied items are under warranty of **36** months from the date of successful acceptance of items.(In case of the supplied items do not cover the warranty of 36 months and cover only the warranty of 12 months then you may quote the price to cover the warranty for the extended to 36 months).

11. You are requested to provide your offer latest by **16:30**hours on **23-Feb-2017** .

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,

Registrar ,Institute of Engineering & Technology Sitapur Road, Lucknow UP PIN 226021

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

Prof Y N Singh

**Nodal Officer Procurement, TEQIP-II**

### Annexure I

Sr. No	Item Name	Specifications
1	Solar PV Emulator	<p>1. Solar PV Emulator</p> <p>1.1 Input channels 4</p> <p>1.2 Output Short Circuit Current(Isc)/Channel 0-10 A</p> <p>Open Circuit Voltage(Voc)/Channel 0-50 VDC Max</p> <p>Output Power /Channel 400 W</p> <p>4 Maximum Channels in Series</p> <p>VDC Maximum absolute voltage at output 200</p> <p>Voltage Slew Rate Range 0.01V/ms-2V/ms*</p> <p>Current Slew Rate Range 0.01A-1A/ms or INF</p> <p>1.3 Modes of Operation Fixed</p> <p>Mode, Table Mode, Simulator Mode, Programming Mode</p> <p>1.4 Physical Box Connector at Output Banana</p> <p>Type Number of leads in output connector 4</p> <p>Operating Environment Indoor Use</p>
2	Solar PV Grid-Tied Training System	<p>1 Power generating unit Solar PV Module</p> <p>Number of modules 2 Type Poly-crystalline</p> <p>Total power 500 Wp 2 Solar PV Grid Tied</p> <p>Inverter No of Grid Tied Inverter 1</p> <p>MPP voltage range 45 V to 100 V Rated grid voltage 230 V</p> <p>Maximum output current 2.5 A Rated power 300 W</p> <p>Rated frequency 50 Hz Feeding phases single-phase 3 Virtual Grid</p> <p>Nominal Output Voltage 230V AC Frequency 50Hz</p> <p>Capacitor Bank Transmission Line Inductance 4</p> <p>Measurement Unit Isolated Sensors AC</p> <p>Voltage Sensor AC Current Sensor</p> <p>Power Analyzers – 2 Ammeter –AC 5 Accessories</p> <p>Manual</p>
3	Solar PV Training and Research Kit	<p>1. Power generating unit Solar PV Module</p> <p>Number of modules 2 Type Poly-crystalline</p> <p>Total Power rating 80Wp 2. Artificial Source of</p>

	radiation	Halogen Light with regulator	Total
	power rating	1800W 3.Power Conditioning Unit (PCU)	DC-
	DC Converter- Auto/Manual mode	Power rating	25 W
	Nominal system voltage	12V	Maximum Load
	Current	2.0 (A)	Type Buck converter
	Inverter- Auto/Manual mode	Power rating	50W
	Output Voltage	Variable	4.Control and Measuring Unit
	Meters	Temperature meter with sensor	DC
	ammeter	DC voltmeter	AC ammeter
	voltmeter	Battery bank (2 batteries)	AC
	Capacity of each battery	4.5 Ah/12V	Loads- AC/DC
	5.Data Logger and Plotter	Voltage Range	0-200 (V)
	Current Range	0-2.0 (A)	6.Accessories
	meter	Range 0 to 1999 (W/m <sup>2</sup> )	Radiation
	Output voltage	12 (V)	Battery Charger
		M	

**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)
<b>Total Cost</b>							

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: \_\_\_\_\_