



Bhagalpur College of Engineering Bhagalpur

Ref:- TEQIP/cell/1013

Date:- 04/02/2020

Inviting Tender for Supply of Equipment for the Research Laboratory

Sub: Invitation Letter for submission of quotation for supplying equipment under TEQIP-III CRS Scheme (CRS Application ID: 1-5749071271)

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	Item Name	Quantity	Place of Delivery	Installation Requirement (if any)
1	Solar Photo Voltaic (SPV) Module (20 Module)	12	Bhagalpur College of Engineering, NH-80, PO-Sabour, Bhagalpur- 813210	Yes
2	SPV Module Mounting Structure	As Per Requirement	Bhagalpur College of Engineering, NH-80, PO-Sabour, Bhagalpur- 813210	Yes
3	Combiner Box	1	Bhagalpur College of Engineering, NH-80, PO-Sabour, Bhagalpur- 813210	No
4	Boost converter	1	Bhagalpur College of Engineering, NH-80, PO-Sabour, Bhagalpur- 813210	Yes
5	Power conditioning Unit (charge Controller & Inverter)	1	Bhagalpur College of Engineering, NH-80, PO-Sabour, Bhagalpur- 813210	Yes
6	Specification battery bank	16	Bhagalpur College of Engineering, NH-80, PO-Sabour, Bhagalpur- 813210	Yes
7	Specification AC Distribution Box (ACDB)	2	Bhagalpur College of Engineering, NH-80, PO-Sabour, Bhagalpur- 813210	Yes
8	Specification of lightening & over voltage Protection	1	Bhagalpur College of Engineering, NH-80, PO-Sabour, Bhagalpur- 813210	Yes
9	Specification of Earthing system	1 set	Bhagalpur College of Engineering, NH-80, PO-Sabour, Bhagalpur- 813210	Yes
10	Specification of cable	As Per Requirement	Bhagalpur College of Engineering, NH-80, PO-Sabour, Bhagalpur- 813210	Yes
11	Specification of Wiring Material	As Per Requirement	Bhagalpur College of Engineering, NH-80, PO-Sabour, Bhagalpur- 813210	Yes
12	Induction Motor water pump assembly	1	Bhagalpur College of Engineering, NH-80, PO-Sabour, Bhagalpur- 813210	Yes
13	Danger Plate	2	Bhagalpur College of Engineering, NH-80, PO-Sabour, Bhagalpur- 813210	Yes

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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. Under TEQIP Phase-III Programme, Several Collaborative Research Scheme (CRS), projects were offered to faculties. Under CRS project the supply of equipment's are needed and for this intend 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, initialling, 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. **Bidder**

- 4.1 Each bidder shall submit only one quotation.
- 4.2 The Bidder shall be a **registered legal entity in India**(Submit the registration certificate)
- 4.3 The bidder should have supplied similar equipment's for synthesis to Government Technical Institute in the **last 5 financial years** as envisaged in this tender.(submit self attested copies of purchase orders and satisfactory completion by the respective Govt. Technical Institutes)
- 4.4 The bidder shall provide self certification for non-engagement in fraudulent corrupt practices, **non-blacklisting** in any Govt./PSU in last three financial years.

5. **It is a single bid system. Bidders shall submit only one bid, mentioning both technical and price in single quotation letter.**

The address of the firm submitting the bid and the officer, to whom the tender is addressed, must appear distinctly on the envelop of bid. Also mention the CRS Application ID for which quotation is submitting, on the top of the envelope.

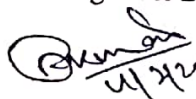
6. In the part relating to bid, the bidder must provide the followings:-

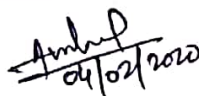
- 6.1 Details of the technical features to be offered equipment via-a-via specifications per **Annexure-1.**
- 6.2 Standard Technical Literature on each of the items offered.
- 6.3 **Authorization certificate on the offered products from OEM in case of distributor/ dealer**

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- 6.4 List of Government Institutions, where similar orders have been executed (*copies of the purchase/work orders and their satisfactory completion certificate* will have to be enclosed)
- 6.5 Up-to-date Sales Tax clearance certificate (for vendors outside the State of Bihar)/ GST registration certificate indicating also the TIN number (for vendors from within the State of Bihar) of the FIRM will have to accompany the tender to be submitted;
- 6.6 *Copy of PAN of FIRM* / Bidder must be submitted along with the Bid.
- 6.7 Details of nature and *maximum period of Warranty* offered by the Bidder.
- 6.8 Quantity, basic price (against item-wise details of specifications of each of the offered items);
- 6.9 Prices of each of the optional accessories, as required by specifications and may be relevant for offered Equipment, will have to be specifically stated in the quotation.
- 6.10 Central / Sales Tax/ GST (as percentage of basic price + packing & forwarding charges if any)
7. Quotation shall remain valid for a period not less than **50 days** after the last date of quotation submission.
8. **Evaluation of Quotations:** The Purchaser will evaluate and compare the quotations determined to be Substantially responsive i.e. which
 - 8.1 are properly signed; and
 - 8.2 Confirm to the terms and conditions, and specifications.
9. The Quotations would be evaluated for all items together subject to the condition that the cost of individual items should not be greater than the approved amount in the CRS Project under TEQIP Phase-III project.
10. **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.
 - 10.1 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.
 - 10.2 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.
11. Payment shall be made in Indian Rupees as follows:
Delivery and Installation - 90% of total cost
Satisfactory Acceptance - 10% of total cost
12. Liquidated Damages will be applied as per the below:
Liquidated Damages Per Day Min % :0.01


24/12/2020

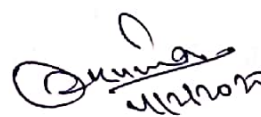

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Liquidated Damages Max % : 10

13. All supplied items are under *warranty of 24 months* from the date of successful acceptance of items and AMC/ Others is NA.
14. ***You are requested to provide your offer latest within 14 days from the date of publication of this document on the BCE website.***
15. Detailed specifications of the items are at Annexure I.
16. Training Clause: ***The supplier shall impart training to the designated authority nominated by the HoD***
17. Testing/Installation Clause: **The supplier shall install, commission and do the functional testing of the equipment supplied**
18. Performance Security shall be applicable: Nil
19. Bill of Quantities may vary as per as installation
20. Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.
21. Sealed quotation to be submitted/ delivered at the address mentioned below, **TEQIP office, Main Building, Bhagalpur College of Engineering, Sabour, Bhagalpur, Bihar-813210.**
22. We look forward to receiving your quotation and thank you for your interest in this project.


Principal

BCE Bhagalpur


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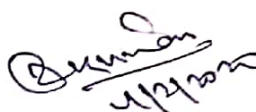
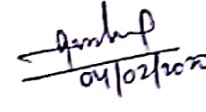
Annexure

SI. No.	Item	Specification	Quantity
1	Solar Photo Voltaic (SPV) Module (20 Module)	Module type :Poly Crystalline; Nomial Voltage: 24.0 V; V max : More than 30.0 V; Poen Circuit Voltage (Voc at STC):More than 36.0 V; Rating at STC: Minuim output of 250 Wp; Module Efficiency : >/= to 14.0%	12
2	SPV Module Mounting Structure	1.Type :Hot deep galvanised 2. Material: MS Angle 3.Nut & Bolt Stainless steel 4. Specification: as per IS 5. Foundation : Structure to be capable of withstanding a windload of 200 Km/hr (Quantity required for complete set)	As Per Requirement
3	Combiner Box	FRP/ Polycarbonate	1
4	Boost converter	with DC link capacitor (2700 μ F (M), 400 V) and Boost converter inductor	1
5	Power conditioning Unit (charge Controller & Inverter)	Charge controller and 3 Ω intelligent power Module 6 hp (Inverter +Brake , 1200V , (AC440V), Screw type, PM25RLA120, voltage and current sensor)	1
6	Specification battery bank	1. Tubular VRLA GEL type Battery Having Long service life 2. Battery Bank (V&AH) : 12-96 V300 AH 3. Cell (V & AH): 2V300 AH with end cutoff Voltage1.80V 4. Terminal of Cell: insulated 6.Self discharge rate : <5% per month at 20°C and 8% per month at 30°C 7. Charge efficiency : More than 90% up to 70% state of charge 8. Max Depth of Discharge : 80% 9. Standard : As per BIS Std	16
7	Specification AC Distribution Box (ACDB)	1. Enclosure material: MS with powder coated 2. Mounted type: Wall Mounting type 3. MCB: MCB for connection & disconnection of PCU and Load 4. accessories : As Per requirement	2
8	Specification of lightning& over voltage Protection	1. Lightning conductor made of 25 mm dia. 3500 mm long GI spike as per provision of IS 2. Lightning Conductor earthed through 20mm X 3mm thick GI flat with earth Pits /earth bus made with 20 mmX 5mmthick GI flats/SuitableGI wire	1

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9	Specification of Earthing system	1. Earthing for array and distribution system to be made with GI pipe, 4 M long 40 mm diameter including, accessories, and providing masonry enclosure with cast iron cover plate having locking arrangement, water pipe using charcoal or coke and salt as require as per provision of IS. 2. The earthing for the power plant equipment to be made with copper plate (500mm*500mm*3mm) thick including accessories. 3. The array structures are to be connected to the earth pit through (20mm*5mm) GI strip.	1 set
10	Specification of cable	1. Type of Cable : PVC Insulated Sheathed. 2. Materials : Copper multi core PVC Insulated . 3. Working Voltage : upto 1100V. 4. Grade : 1.1Kb 5. Standard : IS 694/1990 or IS 1554(Part 1). 6. Cable Size and schedule : 1c*4sq mm , 2c*16sq mm , 1c*25sq mm, 2c*6sq mm (Quantity required for complete set)	As Per Requirement
11	Specification of Wiring Material	Control Room wiring to be done by casing capping type 2 C*2.5sq mm PVC insulated 1.1 Kv grade Cu wire (Quantity required for complete set)	As Per Requirement
12	Induction Motor water pump assembly	2.2kW, 3-phase, 415 V, 4 poles with optical speed encoder	1
13	Danger Plate	1. Size 1:200mm*150mm*2mm . 2. Material: MS	2

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. _____ (Amount in figures)

We agree to supply the above goods in accordance with the technical specifications for a total contract price of Rs. _____ (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. _____