

## INVITATION FOR QUOTATION

EL-09/RTTLSTB(3PH)(TEQIP-III/HR/ycma/46)

04-Jan-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	Qty	Delivery Period(In days)	Place of Delivery	Installation Requirement (if any)
1	Advanced over current relay with disturbance recorder	1	30	TEQIP Coordinator C/o Department of Electrical Engg. J C BOSE University of Science and Technology, YMCA, Faridabad Formerly YMCA University of Science and Technology, Sec-6, Faridabad Pin Code-121006(Haryana)	YES
2	fault simulator module (should be complementary)	1	30		YES
3	mini SCADA and automation	1	30		YES
4	OLTC	1	30		YES
5	power system data concentrator(PSDC) (Artificial PMU)	1	30		YES
6	power system module	1	30		YES
7	Series compensation module	1	30		YES
8	Static VAR compensation (SVC)	1	30		YES

Vikash

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.

V. K. Kash





- 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 - 0% of total cost**
- Satisfactory Acceptance - 100% of total cost**
10. All supplied items are under warranty of **24** months from the date of successful acceptance of items and you shall provide free software updates and upgrades for four years.
11. You are requested to provide your offer latest by **13:00** hours on **21-Jan-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,  
TEQIP Coordinator, YMCA University of Science & Technology, NH-2, Sector-6, Delhi- Mathura Road,  
Faridabad - 121006, Haryana
17. We look forward to receiving your quotation and thank you for your interest in this project.

*Nichitha*  
04-I-2019  
TEQIP-III Coordinator/Co-coordinator  
YMCA University of Science & Technology  
Faridabad-121006

(Authorized Signatory)

Name & Designation


4/1/19

*Vikash*

*[Signature]*

### Annexure I

Sr. No	Item Name	Specifications
1	Advanced over current relay with disturbance recorder	Advanced Over Current Relay with Disturbance Recorder Multiple curve setting Adjustable PMS and TMS Site configurable to 1A or 5A Disturbance Recorder Waveform capture – Up to 10 Waveforms and 50 Events Relay data downloadable through remote software Remote settings of relays RS232 / USB based interface DR download software included
2	fault simulator module	Fault Simulator Module Phase or switch to simulate LG, LL, LLL, LLG, LLLG faults Inbuilt fault creation breaker to emulate simultaneous fault Option to add additional resistance to the fault Maximum current rating 20 times the rated current for faults less than 1.3 sec Screen Printed Front Panel Easy connection through front terminals
3	mini SCADA and automation	Mini SCADA and Automation SCADA Software for breaker control and Monitoring - POWER TLS-Proprietary Meter Data Logging Breaker Control through SLD GUI 4 Point Monitoring – Sending End, Receiving End, Load Point and Capacitor Bank 10 point breaker control – Primary, Secondary, Inductive Load, Resistive Load and 6 Steps of Capacitors USB / RS 232 / RS 485 Compatible
4	OLTC	OLTC (Servo Based) Individual Phase Control Servo based smooth control Automatic Voltage Regulation Manual mode override for desired unbalance creation 440/110 V, 1kW Internal Protection Circuitry MS Panel with Powder Coating Screen Printed Front Panel

Vikash 



5	power system data concentrator(PSDC) (Artificial PMU)	Power System Data Concentrator Synchronized voltage and current phasors of both sending end and receiving end Both end voltage and current data will be synchronized to the same time (clock) Maximum time synchronization error will be restricted to 1 $\mu$ s The data reporting rate on screen will be less or equal to 1 sec. Wired connection interface. Data downloaded facility to the desktop PC for viewing and analysis Visualization and data download Software included. Voltage 63.5V LN, 110V LL Current 10A Interface USB / RS485
6	power system module	<p>a) Generating Station Model 440 / 110 V Isolated Source Transformer ( 3 Phase ) Electrical Ratings oInput Voltage – 440V oOutput Voltage – 20 –130V (ContinuouslyVariable) oNominal Current – 1A,Fault Current – 5A (10Sec), 10A (1.2 Sec) Inbuilt Breaker for Relay 1 VI Meter for Primary 1 Multifunction Meter Secondary Multifunction Parameters - V, I, PF, VAR, VA, W, Frequency etc. with 4 Line Display Three phase LED indication ( R-phase, Y-phase, B-phase) 3 Phase Slow Blow Fuse Primary and Secondary Breakers In panel control buttons for Primary and Secondary Breakers ELCB Protection; MCB Protection MS Panel with Powder Coating Screen Printed Front Panel MS Frame Stand with Nylon Wheels</p> <p>b) Load Station Model Inductive Loading with Continuous Variable Control Inbuilt 3 Phase Inductor for Loading Resistive Loading with Continuous Variable Control Inbuilt 3 Phase Rheostat for Loading 6 Step Capacitor Bank with Step Control Electrical Ratings oVoltage – 110V (Nominal) oNominal Current – 1A; Fault Current – 5A (10 Sec), 10A (1.2 Sec) Inbuilt Breaker for Relay 3 Separate Multifunction Meter for Input, Load and Capacitor Bank Multifunction Parameters - V, I, PF, VAR, VA, W, Frequency etc. with 4 Line Display Three phase LED indication ( R-phase, Y-phase, B-phase) 3 Phase Slow Blow Fuse Inductive Load and Resistive Load Breakers In Panel Control Buttons for Inductive Load, Resistive Load and Shunt Capacitor Bank MS Panel with Powder Coating and Screen</p>

Vikash



		<p>Printed Front Panel MS Frame Stand with Nylon Wheels</p> <p>c) PI Section Model 400kV Line with 3 Phase Twin Moose Conductor of 200 KM length with taps at 50Km, 100Km, 150Km X2 No's (Total 400 KM) MS Panel with Powder Coating Screen Printed Front Panel Electrical Ratings oVoltage – 110V (Nominal) oNominal Current – 1A; Fault Current – 5A (10 Sec), 10A (1.2 Sec) Easy Connection through front terminals Inbuilt Resistors, Capacitors and Inductors of High Quality MS Panel with Powder Coating and Screen Printed Front panel</p>
7	Series compensation module	<p>Series Compensation Module Capacitor based series compensation Maximum compensation upto 50% Front end terminals for connection to Pi line in series Can type capacitors for maximum efficiency</p>
8	Static VAR compensation (SVC)	<p>SVC – Static VAR Compensator Voltage Rating – 110V Current Rating – 5A Inbuilt Inductor and Capacitor Inductive and Capacitive compensation Auto Transformer based architecture for smooth variation Inbuilt Controller Compensation upto -/+ 100 VAR per phase Fifth and seventh harmonic filter inbuilt</p>

Vikash

SD



**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: \_\_\_\_\_

Vikash  
Soni