



**GOVT. COLLEGE OF ENGINEERING,
AMRAVATI – 444 604**

*(An Autonomous Institute of Govt. of Maharashtra)
Towards Global Technological Excellence*

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INVITATION FOR QUOTATION

TEQIP-II/2015/MH2G06/Shopping/ /1401

10-March-2016

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	Supply and installation of High Voltage Testing & Measuring Equipments as per IS 2071 & IEC60060	1	150	Govt. College of Engineering, Amravati	Installation required

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 **45** 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 **17:00** hours on **31March-2016**.
12. Detailed specifications of the items are at Annexure I.
13. Training Clause (if any) **Training required**
14. Testing/Installation Clause (if any) **Testing & Installation required**

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,

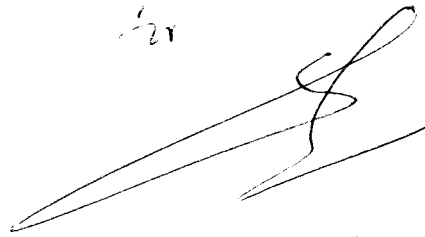
The Principal, Govt. College of Engineering, Near Kathora Naka Amravati Maharashtra 444604

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

Note:

1. Quotation must be supplied with the relevant information brochures and photographs of the equipment mentioning the Make, Model etc.
2. Pre-dispatch inspection is required to be arranged by the supplier at his own cost.

Principal
Govt. College of Engineering, Amravati



Principal
Govt. College of Engineering, Amravati
TEQIP PROCUREMENT COORDINATOR

Annexure I

Sr. No	Item Name	Specifications
1	Supply and installation of High Voltage Testing & Measuring Equipments as per IS 2071 & IEC60060	<p>The desired equipments should be manufactured by recognized ISO 9001-2008 certified firms and satisfy the following specifications:</p> <p><u>Combined AC/DC/IMPULSE Impulse Test - Modular Type</u></p> <p>AC Voltage Rating : 100 kV DC Voltage Rating : 140 kV Impulse Voltage Rating : 140kV Impulse Impulse Generator No. of Stages : 1 Impulse Generator Stored Energy : 980joules Wave forms to be generated Lightning Impulse : 1.2/50 μ sec Switching Impulse : 250/2500 μ sec</p> <p><u>Test Transformer:</u> Single phase AC voltage test Transformer, rated 220V/100kV, 5kVA continuous, 10kVA for short time. Impedance voltage within 4%, Partial Discharge level within 2 Pico coulombs at 100kV.</p> <p><u>Measurement Instruments:</u> Should be capable to measure the HVAC Voltage, HVDC voltage, Impulse peak voltage and primary voltage and current of the test transformer.</p> <p><u>AC Voltage Measurement:</u> AC primary voltage and current to be measured & displayed through digital meters and HVAC) voltage of the transformer to measured on the secondary side through a Capacitive AC voltage divider/ Measuring Capacitor (100 kV, 100 pF) and displayed on the AC Peak Voltmeter mounted on the Control Panel.</p> <p><u>DC Voltage Measurement:</u> HV DC Voltage to be measured through a measuring resistor and displayed on a digital Voltmeter mounted on the Control Panel.</p> <p><u>Impulse Voltage Measurement:</u> Impulse Voltage to be measured through Capacitive Voltage Divider / Load Capacitor displayed on a Digital Impulse peak voltmeter with hold facility. Impulse Peak Voltmeter should have Provision for integrating externally a storage oscilloscope for waveform display.</p> <p><u>Trigger Unit:</u> Fiber optic trigger unit with electronic trigger sphere</p> <p><u>Rectifier Unit:</u> It should be suitable to get output DC charging voltage of 140kV.</p> <p><u>Impulse Capacitor:</u> Resin cast 140kV of suitable capacitance.</p>

Impulse Divider/Load Capacitor: Suitable for measuring impulse voltage (140kV) integrated with impulse peak voltmeter.

Sphere Gaps: Sphere gaps in the Impulse Generator to be controlled / operated from the control desk

Control desk: It should be incorporated with the measuring instruments such as, AC Peak Voltmeter, Impulse peak voltmeter, DC voltmeter, Trigger device, motor drive, regulating transformer, indicating lamps, control switches, trip circuit, protection devices etc.

Resistor: Wave front and Wave tail resistors for generating lightning and switching impulse wave shapes.

Calibration & Test Report: Relevant Calibration / testing reports to be supplied in accordance with IEC60060 along with the equipment for the test / calibration conducted at supplier's laboratory.

Measuring Spark Gap: For measurement of AC, DC, IMPULSE voltages as per IEC60052 / IS1876 and also as Chopping gap in conjunction with Trigger-Sphere (EZK) suitable for manuals well as 220V,50Hz Motor operation

RATED VOLTAGE = 100kV AC, 140kV DC and IMPULSE
SPHERE DIA. = 100 mm

ACCESSORIES:

- i) 50mm SPHERES, ii) ROD ELECTRODE (20mm dia.),
- iii) NEEDLE ELECTRODE (20mm dia.),
- iv) FLAT ELECTRODE (150 mm dia.). ONE SET EACH

All accessories should be provided for AC/DC/ Impulse voltage test system. All measuring instruments should be of class 0.5. The AC/DC/impulse test system should modular in construction and suitable for rapid dismantling and construction. It should be suitable for demonstration to the degree college / post graduate and research students with full safety. It should be suitable for testing electrical equipment like CTs, PTs, Lightning Arresters, Insulators, Switchgears, etc. The system should be suitable for integration with Digital Storage Oscilloscope. The above system should be suitable for extension to 300 kV AC/400 kV DC/420 kV Impulse test set at a later date. The setup should satisfy IEC60060, IS2071 I.

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: