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/ 1438 **14-March-2016**

To,

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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	Bod, Cod, Toc And TSS Analyzer (Offline)	1	90	Govt. College of Engineering, Amravati	Installation required
2	Laboratory Water Analyzer Kit	1			
3	Portable DO meter	1			

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 **04 April 2016.**

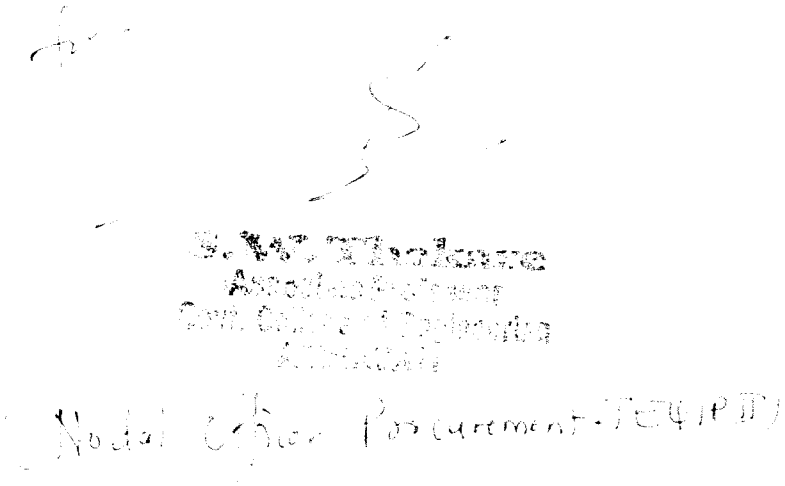
12. Detailed specifications of the items are at Annexure I.

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 broachers 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



Annexure I

Sr. No	Item Name	Specifications
1	BOD, COD, TOC AND TSS ANALYZER (OFFLINE)	Spectrophotometric based Offline analyzer to analyze the following parameters as listed below: **1. BOD (0 – 450) mg/l** **2. COD (0 – 450) mg/l** **3. TSS (0 – 1000) mg/l** **4. TOC (0 – 450) mg/l** **SPECIFICATIONS:** 1) System should operate without need of consumables, and chemicals. 2) System should be based on light emitting technology integrated with dual mean compensated optics. There should be possible process interface to Scada using relay output. 3) The system should be working on optical technology and based on U.V. spectrometric principle, acceptable to measure BOD, COD, TSS and TOC separately with individual calibration. 4) System should be PC based on newest Intel technology and 4GB onboard memory with wide screen color graphical display (7") and touch screen. 5) Data transfer such as readings of parameters via USB 6) System should be capable of storing the results with multiple calibration points. 7) Inbuilt data memory facility at least more than 4GB. 8) Recording of operator activities within logbook of central module should be provided. 9) The system should not require any reagents, consumables or any carrier gas for routine operation. 10) There should be provision of UV-Visible spectrometry sensor having multiple wave length scanning. 11) The sample to be tested should not require any pre-treatment before analysis. 12) System should not require air conditioning. 13) The calibration of system frequency should be once in a year. 14) System should be integrated with Wi-Fi and internet in future. 15) The system should be recognized and approved by USEPA and CPCB and TUV certified. 16) System should be capable to withstand and operate at high temperature and humidity in India. 17) System should not have moving parts and should be low power consumption (less than 1 W typical) integrated with dual-beam compensated optics and optional automatic

		cleaning. 18) System should be 100 % corrosion free along with 5000 hours maintenance free operation. 19) System should have provision for mounting directly in the media to get the measurements. 20) System should have provision for mounting directly in a mains pipe / pressure pipe. 21) Power consumption should be maximum up to 60 watts. 22) Should be provided with stabilizer of ISI mark of appropriate capacity to correct the voltage fluctuations (ISI/ISO) certified. 23) The supplied instrument should be installed with provision of wooden cabinet of minimum size (90cm x 60cm x 45cm) having two shutters with lock and key arrangement of standard make, to house the complete system (control unit and analyzer).
2	Laboratory Water analyzer Kit	Water analyzer kit for measurement of pH, Conductivity/TDS, Salinity, DO , Temperature, Colorimeter and Turbidity with following specification. **General** **Display:** 2 line 20 Char. Alphanumeric **Printer Port:** Compatible with standard laser and inkjet model of Canon, HP and Epson **Power:** 230 V 50 Hz ± 10% or Internal battery with charger **Weight:** Less than 10 Kg **Specifications for various parameters.** **1. pH** • Range : 0 to 14 • Resolution : 0.01 pH • Accuracy : ± 0.01 pH ± 1 digit • Sensor : Combined Electrode **2. m V/ ORP** • Range : ± 1999 mV • Resolution : 1 mV • Accuracy : + 1 mV +1 digit • Sensor : Combined Electrode **3. Conductivity / TDS** • Range : 0 to 100 mS (5 Ranges) 0 ppm to 100 ppt (5 Ranges) • Accuracy : ± 1 % of FS ± 1 Digit • Sensor : Conductivity Cell (Acceptable from 0.1 to 5.0 cell constant) • Temperature Compensation : Auto/ Manual

		4. Salinity • Range : 0 to 40 ppt • Resolution : 0.1 ppt • Accuracy : ± 2 % of FS ± 1 Digit • Sensor : Conductivity Cell • Temperature Compensation : Auto Manual **5. Dissolve Oxygen** • Range : 0 to 20 ppm • Resolution : 0.1 ppm • Accuracy : ± 1 % of FS ± 1 Digit • Sensor : Au / Ag Probe • Temperature Compensation : Auto/ Manual **6. Temperature** • Range : 0 to 100 pp • Resolution : 0.1^0 C • Accuracy : ± 0.5^0 C ± 1 digit • Sensor : PT 100 **7. Colorimeter** • Range : 0 to 2.00 Abs 0 to 100 % T Conc : 0 to 1999 • Resolution : 0.001 Abs / 0.1 % T • Accuracy : ± 0.05 Abs • Sensor : Photodiode • Source : Tungsten Lamp • Filter : Blue (550 nm) Green (450 nm) Red (660 nm) **8. Turbidity** • Range : 0 to 1 NTU : 0 to 10 NTU : 0 to 100 NTU • Accuracy : ± 2 % of FS • Sensor : Photodiode • Source : Tungsten Lamp Instrument should be provided with a wooden cabinet with lock and key arrangement having appropriate size to house the instrument conveniently.
3	Portable DO meter	• Range : 0 to 20 ppm • Resolution : 0.1 ppm • Accuracy : ± 1 % of FS ± 1 Digit • Sensor : Au / Ag Probe • Temperature Compensation : Auto/ Manual

		• Instrument should be handheld type, waterproof and dust proof. • Should be microprocessor based. • Range – 0 to 20 mg/l • Instrument should be provided with LCD display. • Instrument should be provided with rechargeable battery power supply. • Weight of the instrument should be less than 200 g.

FORMAT FOR QUOTATION SUBMISSION

(In letterhead of the supplier with seal)

Date: _____

To:

_____

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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: _____