

## INVITATION FOR QUOTATION

TEQIP-II/2013/WB1G04/Shopping/40

13-Dec-2013

TEQIP-II/WB/WB1G04/62

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	Gas Chromatograph	1	60	University Institute of Technology The University of Burdwan Golapbag (North), Burdwan-713104	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 **50** 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 - 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.

11. You are requested to provide your offer latest by **15:00** hours on **08-Jan-2014** .
12. Detailed specifications of the items are at Annexure I.
13. Training Clause (if any) **Hands on 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,  
Golapbag (North), Burdwan- 713104
17. We look forward to receiving your quotation and thank you for your interest in this project.

(Authorized Signatory)

Name & Designation

**Annexure I**

Sr. No	Item Name	Specifications
1	Gas Chromatograph	<p>Basic Unit: State of the art, Microprocessor based/ computer controlled, multi-channel up to date gas chromatograph. The system should be completed with oven, detector, microprocessor control, computer hardware and software for measurement and complete operation of the system. The system should support high performance, flexible and robust gas chromatograph offering the largest number of injectors and detectors running simultaneously on the same GC. Oven and General Specs: Oven temperature rated from Operating Temperature Range: Ambient +5 C to 500 C with microprocessor temperature controller +/- 0.05 C uniform temperature in the column oven with circulating fan of heavy blast. Temperature Set Point Resolution: 1 C, Number of Ramps/ Plateaus: 7/8, Maximum Heating Rate: 50 C/ min, Oven Cool-Down (22 C ambient): 400 C to 500 C in &lt; 6 minutes. EPC (Electronic Pressure Control) Gas Specification: Up to 10 channels of integrated ELECTRONIC GAS CONTROL; Pressure Set Points Minimum Increments: 0.01 psi in all ranges. The system should support the Heated Zones Up to 11. Time Events: Up to 8. Performance Specification: The system should support technical retention time repeatability: 0.008 min with typical peak area repeatability: &lt; 2% RSD. Detectors: Maximum no. of detectors: 4. Acquisition rate: up to 50 Hz. Pneumatics: Manual pneumatics or EPC for Gas flow control. Injector: Split/ Splitless: The system should support injector suitable for all (0.1 mm to 0.53 mm i.d) capillary column. Temperature range: 50 C to 450 C with manual , pneumatic or electronic pressure control (EPC) constant pressure and flow mode pressure programming at 3 ramps and 4 plateaus. Gas saver mode: standard ; carrier flow setting : 0.01 mm/min to 100 mm/min; split flow setting: 1 mm/min to 400 mm/min; modes: split and splitless; purge flow setting: 0 to 50 mm/min; split ration : up to 9999: 1. Computer Hardware: ? i3 or higher desktop (2 nos.) of reputed make with suitable HP laser jet printer and compatible UPS. ? Interface cable to connect Gas Chromatograph to the AD converter and from the AD converter to the desktop as required ? Installed with current version of Microsoft windows, specialized software written and tested on the system to control Automatic Data</p>

		<p>login List items as per scope of supply 1. Gas Chromatograph – Basic Unit 2. Injectors- 1 No. SSL injectors 3. FID- 1 no. 4. Columns suitable for total analysis- 1 5. 5KVA UPS with maintenance free battery for 1 hour back up- 1 No. 6. Calibration gas cans for the required analysis 0.5 l capacity and 20 Bar filling pressure. Power Requirement: 230 V, 50 Hz. 1 No. Online UPS: 30 min backup 3 KVA. Flame Ionization Detector: Technical Data of FID: 1 No. Flame Ionization Detector compatible with ¼ inches, 1/8 inch, 1/16 inch and capillary columns. Flame out Detection: MDL: &lt; 3 pg C/sec for C9 HC Linear dynamic range: &gt; 107 Maximum temperature: 450 C. Flow setting : Air: 0 to 400 ml/ min H2: 0 to 150 ml/min Make Up gas: 0 to 150 ml/min. Thermal Conductivity Detector: 1. Compatible with ¼ inch, 1/8 inch and 1/16 inch and capillary columns 2. MDL : &lt; 800 pg C12/ml He 3. Sensitivity : 10 microvolt /ppm for nonane 4. Linear Dynamic Range: &gt; 104 5. Max Temp: 400 C Electron Capture Detector: • Radioactive Source: 370 MBq equal to 10 mCi, 63Ni • Cell volume: &lt; 350 microlitres • MDL: &lt; 1 * 10<sup>-13</sup> gm/sec Lindane • Sensitivity: 0.1 pg/sec Lindane • Linear Dynamic Range: &gt; 104 •Max Temp. : 400 C • Make Up Gas: Nitrogen or 5 % Methane in Argon • Make Up Gas Flow : 0 to 50 ml/min The above mentioned 3 detectors should be compatible with the GC.</p>
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### 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: \_\_\_\_\_