

INVITATION FOR QUOTATION

TEQIP-II/2016/UK2G01/Shopping/125

14-Oct-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	Thermo Gravimetric Analyzer/ Differential Thermal Analyzer	1	60	Dean College of Technology G B Pant University of Ag & Technology,Pantnagar- 263145	NIL

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. **Qualification Criteria** : The bidder / supplier should have
 - 3.1 A minimum of 3 years' experience of supplying similar items.
 - 3.2 Not been blacklisted by any Govt. Institution/Organization.
4. **Quotation**
 - 4.1 The contract shall be for the full quantity as described above.
 - 4.2 Corrections, if any, shall be made by crossing out, initialing, dating and re-writing.

- 4.3 All duties and other levies payable by the supplier under the contract shall be included in the unit price.
 - 4.4 Applicable taxes shall be quoted separately for all items.
 - 4.5 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.
 - 4.6 The Prices should be quoted in Indian Rupees only.
 - 4.7 Custom duty exemption certificate may be provided if demanded by the firm.
5. Each bidder/supplier shall submit only one quotation.
 6. Quotation shall remain valid for a period not less than **55** days after the last date of quotation submission.
 7. **The quotation should include the following information**
 - 7.1 The copies of original documents defining the constitution or legal status, place of registration and principle place of business of the company or firm or partnership, etc. in India.
 - 7.2 An affidavit for not been black listed by any Govt. Institution/Organization.
 - 7.3 Authorization Certificate from the OEM/Principal (if the bidder / supplier is not an OEM) assuring full guarantee and warranty obligations during the liability period, for the goods offered.
 - 7.4 The list of clients duly supported by copies of Purchase Orders, Installation and performance reports signed by the purchasers/users.
 - 7.5 Details of service/support centers located in India.
 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.
 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:

Satisfactory Delivery, Installation and Acceptance - 100% of total cost
 12. All supplied items are under warranty of **36** months from the date of successful acceptance of items.

13. You are requested to provide your offer latest by **15:30** hours on **04-11-2016**.
14. Detailed specifications of the items are at Annexure I.
15. Training Clause (if any) **onsite training free of cost**
16. Testing/Installation Clause (if any) **Satisfactory Installation and demonstration.**
17. Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.
18. Sealed quotation to be submitted/ delivered at the address mentioned below and clearly written on the top of the envelope "Quotations under TEQIP-II" :

**Dean
College of Technology,
G.B. Pant University of Agriculture & Technology,
Pantnagar – 263 145 (Uttarakhand)**

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

(Authorized Signatory)
Nodal Officer (Procurement)
TEQIP-II, College of Technology
GBPUAT, Pantnagar

Sr. No	Item Name	Specifications
1	Thermo Gravimetric Analyzer/ Differential Thermal Analyzer	<p>Specification for Simultaneous High Resolution Thermo Gravimetric Analyzer/Differential Thermal Analyser (TGADTA) DTATGA should have Controlled Rate Thermal Analysis Mode that consists of operations such as Constant heating rate, Dynamic heating rate, Constant reaction rate and step wise isothermal. The system should be able to operate under dynamic heating rates during isothermal decomposition studies to extrapolate kinetic parameters. Balance design: Ultra Micro Balance. Weight change measurements should not be dependent on sample positioning. Thermally sealed balance with Calibration facility. Zero setting, with built in weights on power up of module and on stand-by condition Furnace design: Horizontal. Both furnace and balance should be in horizontal Position. The balance should be with motorized opening and closing for easy handling. Any form of vertical design should be completely avoided. The system should have low thermal mass furnace with built-in platinum resistance heating elements. Balance beam: Dual, differential and horizontal. Should be made up of ceramic material with user friendly plug-in/plug-out connection. Balance assembly should have thermostating capability to minimize isothermal drift Temperature range: Room Temperature to 1500°C Weighing range: Upto 200mg without range switching Maximum sample weight upto : 200 to 400 mg Resolution: 0.2µg above the noise level for the entire range from RT to 1500°C DTA measurement range: + 1000 µV DTA RMS Noise: 0.03 µV DTA RMS Sensitivity: 0.06 µV Temp accuracy: +/-0.1°C Temp reproducibility: +/- 0.15°C Scan rate: 0.01°C to 100 °C/min with secure and controlled purge arrangement Cooling unit: Forced Air.1000°C to 50°C within 10 - 12 minutes Purge gas facility: All inert gases with automatic gas purging and sweeping system. Should have built-in safety interlocks for gases/switching of gases should be possible with necessary flow rate of 0 -1000 ml/min. The system should have capability of purging under reduced and corrosive gas atmosphere like hydrogen with separate port that doesn't affect balance mechanism TG RMS Noise: 0.1µg. RMS noise should be related to both signal and noise power (or amplitude) which is measured at the same or equivalent points in a system, and within the same system bandwidth. Local module: Control</p>

unit should have LCD display of weight, temperature and experiment status Software: Windows-based Thermal Analysis software for data collection and treatments. Multitasking and multimodules software exploitation license under Windows for data acquisition and storage, Drawing and printing of the TG -DTG and DTA curves according to time or temperature, calculation and printing of derivatives curves, mass variation calculation, regression calculation, data storage, baseline correction, DTA peak integration, multi task software under Windows. Should have capability of converting collected data into ASCII after finishing the test for exportation. Should include special Softwares like curve treatment (smoothing, deconvolution, erasing, slope adjustment...), Kinetics for TG, DTA, or Purity, heat capacity software. The system should have Controlled Rate Thermal Analysis Mode that consists of operations such as constant heating rate, dynamic heating rate, constant reaction rate and step wise isothermal. The system should be able to operate under dynamic heating rates during isothermal decomposition studies to extrapolate kinetic parameters Crucibles: Alumina (5 Nos.) and Platinum (5 Nos.) EGA Upgrade: System should be easily upgradeable to MS (any make) and FTIR (any make) coupling for evolved gas analysis. Corresponding interface should be quoted along with system as an optional Spares and consumables: List of Spares/Consumables should be provided for 2-3 years trouble free operation. Calibration Standards: TGA system should have facility for flexible calibration that is saving calibration with multiple combination of gas type, flow rate, crucible type etc. Also calibration of temperature should be possible with NIST certified metal standards. Also, NIST Certified standards for curie point temperature studies and weight loss measurement should be quoted along with system PC and Printer : should be quoted separately from local make

FORMAT FOR QUOTATION SUBMISSION
(In letterhead of the supplier with seal)

Date: _____

To:

Dean
College of Technology
G.B. Pant University of Agriculture & Technology
Pantnagar - 263145 (Uttarakhand)

S. No.	Description of Item (Full specifications including Manufacturer, Country of Origin and Model No.)	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) [FOR, Pantnagar]	No. of Units	Total Price (A)	*Sales Tax and other Taxes Payable		Gross Total Cost (A + B)
					In %	in Figure (B)	

**mandatory to be mentioned*

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 : _____
Seal : _____