

1114

03-10-2019



**Uttar Pradesh Textile Technology Institute, Kanpur,**  
**11/208, Souterganj, Kanpur**

**ENQUIRY LETTER**

Package Code: TEQIP-III/2019/UP/upti/204

Package Name: Microwave Plasma - Atomic Emission

Spectrometer (M/s Agilent Technologies Inc.)

Current Date: 03-Oct-2019

Method: Direct Contract Goods

**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	Item Name	Quantity	Place of Delivery	Installation Requirement (if any)
1	Micro Plasma Atomic Spectrometer (MP-AES )	1	UPTTI, KANPUR	YES

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, initialling, 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 **60**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

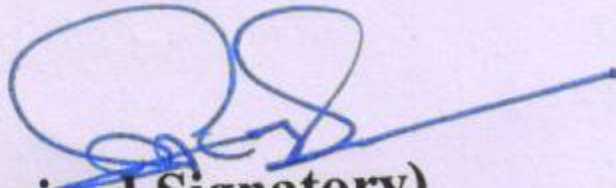
has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.

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:  
**Bidder must quote Price in INR F.O.R at Store UPTTI, Kanpur**  
Satisfactory Delivery, Installation & Commissioning - 90% of total cost  
Satisfactory Performance, Acceptance - 10% of total cost
10. Liquidated Damages will be applied as per the below:  
Liquidated Damages Per Day Min % : 0  
Liquidated Damages Max Per Day % : 0
11. All supplied items are under warranty of 12 months from the date of successful acceptance of items and AMC/Others is 0.
12. You are requested to provide your offer latest by 16:00 hours on 18-Oct-2019.
13. Detailed specifications of the items are at Annexure I.
14. Training Clause (if any) **yes**
15. Testing/Installation Clause (if any) **yes**
16. Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.  
The supplier must mention about the brand name/No. during submission of quotation.  
They must enclose the original catalogue of machine/Instrument.
17. Sealed quotation to be submitted/ delivered at the address mentioned below,  
**Uttar Pradesh Textile Technology Institute, Kanpur, 11/208, Souterganj, Kanpur**
18. Performance Security shall be applicable: 5% Qualified lowest rate bidder will submit the Demand Draft of amount 5% of total cost of item in favour of "Director, UPTTI, Kanpur" within one week from date of intimation to supplier. After receiving of Demand Draft, purchase order will be issued. In failures of producing the Demand Draft of 5% cost, the supplier/bidder will be disqualified and blacklisted. If supply will not supplied the item within specified period as mention in purchase order, the performance security will be deducted as per purchase rules of TEQIP. It is also intimated that in case of non-compliance of purchase order and failure to successful supply the item, firm/supplier/bidder will be blacklisted.
19. Bidder must attach certificate of OEM (in case of manufacturer)/ certificate of authorization as dealer from manufacturer in case of dealer.
20. The supplier must submit undertaken along with quotation document that the firm is not blacklisted in Govt/Govt. funded autonomous/Govt. undertaken organisation in India.
21. Conditional offer will not be acceptable.
22. GST No. is compulsory & GST rate must be uniform for whole package & clearly mentioned.

23. Delivery within 90 days.
24. The institute reserves the right for accepting and rejecting any quotations without assigning any reason thereof.
25. We look forward to receiving your quotation and thank you for your interest in this project.

  
(Authorized Signatory)

Name & Designation  
**Director**

**U.P. Textile Technology Institute**  
**11/208, Souterganj**  
**Kanpur U.P.-208001**

**Annexure I**

Sr. No	Item Name	Specifications
1	Micro Plasma Atomic Spectrometer (MP-AES )	<p><b>Atomic Emission Spectrometer INSTRUMENT:</b></p> <ol style="list-style-type: none"> <li>1. The instrument must be an atomic emission spectrometer capable of simultaneous measurement of sample and background using a solid-state CCD detector.</li> <li>2. The instrument must be able to measure aqueous, acid and organic samples including oils, MIBK, Kerosene, and acetone. The vendor should specify how this is achieved in their response to this tender.</li> <li>3. The key instrument conditions must be automatically changed to the optimum parameter for each individual element during these multi-element determinations.</li> <li>4. Sample consumption should not exceed 2 mL for the determination of 3 elements in 1 sample and should achieve precision of &lt; 1 % RSD.</li> <li>5. The instrument must be ready to start measuring samples within 30 minutes or less, when starting the system from standby, where the instrument and all utilities/accessories (including gases) have been switched off.</li> <li>6. When the instrument is switched off, there should be no gas purge within the optics or the detector and no electrical consumption for optics thermos tating to ensure the lowest standby costs.</li> <li>7. The instrument must be able to operate in laboratory conditions that range from 15 - 30°C and a relative humidity of 50 - 80 % non-condensing. The instrument must be able to operate with temperature changes of up to 2 °C per hour without any degradation of performance.</li> </ol>
		<p><b>SPECTROMETER:</b></p> <ol style="list-style-type: none"> <li>1. The instrument must use a fast scanning, high resolution optical system with a min. focal length of 600 mm incorporating a single solid state detector.</li> <li>2. The spectrometer must utilize a large holographic diffraction grating blazed at 250 nm.</li> <li>3. The spectral bandwidth across the full spectrum must be less than 0.050 nm.</li> <li>4. The entire spectrometer system must be enclosed in a purgeable optical enclosure.</li> <li>5. The spectrometer must view the atomization source end on (axially).</li> <li>6. Alignment of the viewing position must be computer controlled and able to be set/changed on an element by element basis.</li> <li>7. The instrument must be capable of continuously measuring wavelengths over the range from 180 to 780 nm to enable determinations across the entire spectrum, both UV and visible.</li> <li>8. The instrument must include a user replaceable pre-optics window for easy and simple maintenance when running difficult samples.</li> <li>9. The spectrometer should provide capability to purge the optics with either</li> </ol>

		nitrogen or air to exclude dust, dirt and acid fumes and maximize instrument performance throughout the life of the instrument.
		<p><b>SYSTEM DETECTOR:</b></p> <ol style="list-style-type: none"> <li>1. The instrument must utilize a single focal plane with one solid-state detector that is optimized for performance across the entire emission spectrum.</li> <li>2. The detector used must be a UV sensitive back thinned solid state CCD with 532 x 128 pixels.</li> <li>3. The detector should be hermetically sealed, eliminating any need for purging of the detector.</li> <li>4. The detector must feature high speed binning for anti-blooming protection to enable the measurement of trace levels in the presence of major matrix constituents.</li> <li>5. To enhance sensitivity and detection limit performance by minimizing detector dark current, the detector must be Peltier cooled to at least 0 °C.</li> </ol>
		<p><b>GAS FLOW CONTROL:</b></p> <ol style="list-style-type: none"> <li>1. Gas flows for the atomization source must be computer enabled with fixed flow settings for optimum ease of use. Optimum performance must be achieved using a fixed outer flow of 20 L/min. and a fixed intermediate flow of 1.5 L/min.</li> <li>2. The nebulizer gas flow must be controlled using a mass flow control system providing a nominal flow range of 0.3 – 1.0 L/min.</li> <li>3. Should have external gas flow control with pump tubing's for organic analysis.</li> </ol>
		<p><b>SAMPLE INTRODUCTION SYSTEM:</b></p> <ol style="list-style-type: none"> <li>1. The system must use a 5 channel, variable speed, computer controlled peristaltic pump for sample introduction. This allows for on-line addition of ionization suppressant and internal standard.</li> <li>2. The instrument must use sample introduction components that includes glass double pass spray chamber, inert nebulizer and multi-purpose peristaltic pump tubes.</li> <li>3. The atomization source must be mounted vertically for improved matrix tolerance.</li> <li>4. The atomization source must be a single piece design and be incorporated into a cassette design enabling easy removal and replacement without requiring the use of special tools.</li> <li>5. Suitable hydride generation kit to offer for elements like As, Hg etc.</li> <li>6. The atomization source should have built-in Argon dehumidifier for high TDS sample approximately 3%.</li> </ol>
		<p><b>ACCESSORIES:</b></p> <ol style="list-style-type: none"> <li>1. Suitable work station PC, Printer, calibration standard, Fume Hood and other accessories for installation to be quoted along with the system. Suitable Nitrogen generator from OEM should be offered along with the system</li> <li>2. Separate standards to be supplied Fe, Cu, Pd, Ni, Pb, Sn, Al, Co, Mo, Cr, Ca, Zn, , Na, Mg, K, As, Hg , Cd, Mn, and one set of multi-element standard with available combinations.</li> <li>3. Suitable Air compressor (Compressed air flow of 115 L/min at 620 kPa), suitable 7.5 KVA online UPS with 30 minutes backup, Extra Nebulizers (2 Nos.), extra set of tubing's for at least one year smooth operation.</li> </ol>

**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)
<b>Total Cost</b>							

Gross Total Cost (A+B): Rs. \_\_\_\_\_ (Amount in figures)

We agree to supply the above goods in accordance with the technical specifications for a total contract price of Rs. \_\_\_\_\_ (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. \_\_\_\_\_