

## INVITATION FOR QUOTATION

TEQIP-III/2019/wits/CRS/Shopping/3

28-August-2019

### 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	Nanobiosorbents based on modified cellulosic agro-residues for waste water remediation	1	30	Women Institute of Technology New UTU Campus P.O. Suddhowala Premnagar Dehradun, 248007	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, initialing, dating and rewriting.
  - 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 **15** 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 - 100% 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 **16:00** hours on **28-September-2019**.
12. Detailed specifications of the items are at Annexure I.
13. Training Clause (if any) **yes**
14. Testing/Installation Clause (if any) **yes**

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,

Women Institute of Technology, New Uttarakhand Technical University campus P.O.  
Sudhhowala, Premnagar, Dehardun, 248007

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

#### **Annexure I**

<b>Sr. No.</b>	<b>Chemicals/ Glasswares/ Instruments required</b>	<b>Specification required</b>	<b>Quantity required</b>
1.	N,N-dimethylaminoethyl methacrylate	98% purity	100 mL
2.	Methacrylic acid	95% purity	100 mL
3.	N-isopropylacrylamide	97% purity	50 gram
4.	Potassium persulfate	95% purity	100 gram
5.	Methylenebisacrylamide (MBS)	98% purity	100 gram
6.	Sodium chlorite	95% purity	500 gram
7.	N,N-dimethylformamide (DMF)	95% purity	1 litre
8.	Poly (ethylene imine)	95% purity	100 gram
9.	N-vinylcaprolactam	98% purity	100 mL
10.	Ceric ammonium nitrate	95% purity	100 g
11.	Nitric acid	95% purity	500 mL
12.	Sodium Hydroxide	95% purity	1 kg
13.	Sodium sulphite	95% purity	100 g
14.	Diethylenetriamine	98% purity	100 g
15.	Methacrylamide	98% purity	100 g
16.	Potassium bromide	95% purity	250 g
17.	Nickel chloride	95% purity	50 g

18.	Potassium dichromate	95% purity	250 g
19.	lead nitrate	95% purity	50 g
20.	cupric nitrate	95% purity	50 g
21.	Zinc Nitrate	95% purity	50 g
22.	Cadmium nitrate tetrahydrate	98% purity	50 g
23.	Cellulose nanocrystals	10-20 nm width, 50-400 nm length.	50 g
24.	Acrylonitrile	98% purity	100 mL
25.	Glycidyl methacrylate	98% purity	100 mL
26.	Acrylic acid	98% purity	250 mL
27.	Double Distilled water		20 litre
	<b>Instruments / Equipments required</b>		
28.	Thermometer	For measuring reaction temperature	3
29.	250 mL and 500 mL three necked round bottom flask with stirrer and condenser accessories		1 each
30.	Glass rods		4
31.	China dish		3
32.	Spatula	200 mm	2
33.	Chemistry Test Tube Bottle Cleaning Brushes		3
34.	100-1000 microlitre micropipette		3
35.	Clamp holder and stand for round bottom flask		6

36.	Heating mantle	Heating mantle for 500 mL and 250 mL Rb flask	1 each
37.	Gloves for chemistry lab	Non-Sterile	2
38.	Sample container tubes (Glass and Plastic)	5 mL	50
39.	Magnetic beads	For 500 mL and 250 mL Rb reaction flask	2 (1 each)
40	Parafilm Sealing tape		1 roll
41.	Sieve	90 Micron	1
42.	Atomic Absorption Spectrophotometer (AAS)	<p>Optical True Double-Beam system with Facility of future upgradability for AUTOMATED changeover from Flame to Graphite Furnace (GF) to avoid any mechanical movement of the set up while changing from flame to furnace mode (Including Auto-sampler of GF).</p> <p><b>Wavelength range</b> : 185 to 900nm</p> <p><b>Variable band</b> width with automatic switching Nominal 0.1 (available below 400 nm), 0.2, 0.5, and 1.0 nm spectral bandwidths</p> <p><b>Monochromator:</b> Echelle monochromator and prism or Grating with 1800 lines/mm blazed at 240nm or so with Reciprocal linear dispersion: 0.8 nm/mm at 200 nm or</p>	

		<p>better.</p> <p><b>Sensitivity:</b> Minimum absorbance of &gt;0.95 Abs for 5.0 ppm Cu (Copper).</p> <p><b>No. of lamps mount:</b> Minimum 6 with simultaneous illumination of two (user selected lamps)</p> <p><b>Background:</b> Quad line (continuum source D<sub>2</sub>) BGC for flame as well as Zeeman BGC with Graphite Furnace (Future up- gradation)</p> <p><b>Burner height:</b> Automatic optimization of burner height</p> <p><b>Fuel Flow:</b> Automatic optimization of fuel flow</p> <p><b>Detector:</b> PMT [Photomultiplier tube] OR Solid State Detector (CMOS)</p> <p>Titanium Burner head with 10 cm slot for Air-Acetylene flame and 5 cm for Nitrous Oxide-Acetylene flame.</p> <p>The burner height is to be automatically optimized.</p> <p>Flame ignition: Automatic.</p> <ul style="list-style-type: none"> <li>• Nebulizer</li> </ul>	
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		<p>chamber: An inert fluoroplastic spray chamber.</p> <ul style="list-style-type: none"> <li>• Automatic gas control system.</li> <li>• Safety measures: Software controlled-automatic oxidant changeover, Software controlled-automatic fuel gas boost on oxidant changeover, Automatic flame shut down, Fuel line flashback arrestor etc.</li> <li>• Data Coded Single Elements HCL/EDL/Super Lamps for: Iron (Fe), copper (Cu), lead (Pb), Chromium (Cr), Zinc (Zn), Nickel (Ni), Cadmium (Cd), Manganese (Mn), Arsenic (As) and Mercury (Hg) to carry a 5000 mA/h lifetime guarantee or better.</li> <li>• Software controlled Continuous Flow Vapour Generator</li> </ul>	
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		<p>for analysis of As, Se, Hg etc. It should come with an integrated mass flow controller.</p> <p>• <b><u>Must also include:</u></b></p> <ul style="list-style-type: none"> <li>○ Imported Air Compressor.</li> <li>○ Acetylene, Nitrous Oxide and Argon Filled Cylinders for AAS analysis (UHP Grade) with necessary Tubings &amp; Connectors.</li> <li>○ Double Stage Gas Regulators for Acetylene Gas, Argon Gas, Nitrous Oxide (with heater) Cylinders.</li> <li>○ Stainless Steel Hood with Exhaust Fan including necessary fitting and Ducting Facility.</li> <li>○ Gas Distribution Line for Argon</li> <li>○ Branded 5 KVA UPS with isolation transformer for minimum 30 minutes back</li> </ul>	
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		<p>up.</p> <ul style="list-style-type: none"> <li>○ Certified Standard solution for AAS (1000 PPM) for all elements as mentioned against Hollow Cathode Lamps (each bottle of 125 ml).</li> </ul> <p>• <b><u>Additional requirement:</u></b></p> <ul style="list-style-type: none"> <li>○ 2 years on-site warranty.</li> <li>○ AMC for 3 years should be quoted optionally.</li> <li>○ Training: 5 days extensive training at installation site or other reputed institute.</li> <li>○ Site preparation including gas line: by bidders.</li> <li>○ Compliance certificate should be provided.</li> </ul>	
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Dr. Ashish Kumar Guleria

[Authorized Signatory]

Name & Designation

## 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. \_\_\_\_\_

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: \_\_\_\_\_