INVITATION FOR QUOTATION

TEQIP-II/2015/UP2G02/Shopping/30 15-Jun-2015
Package Name: Central-14-G-P1
Item Name: AAS
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,

<table>
<thead>
<tr>
<th>Sr. No</th>
<th>Brief Description</th>
<th>Quantity</th>
<th>Delivery Period(In days)</th>
<th>Place of Delivery</th>
<th>Installation Requirement (if any)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AAS</td>
<td>1</td>
<td>30</td>
<td>Institute of Engineering &amp; Technology Sitapur Road, Lucknow-226021</td>
<td>yes</td>
</tr>
</tbody>
</table>

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.

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Item Name: AAS
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 40 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 **15:00** hours on **29-Jun-2015 at Registrar Office, Ground Floor, Administration Block, IET, Sitapur Road, Lucknow.**

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, **Registrar Office, Ground Floor, Administration Block, IET, Sitapur Road, Lucknow- UP PIN 226021**

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

(Authorized Signatory)

Name & Designation

**Annexure I**

<table>
<thead>
<tr>
<th>Sr. No</th>
<th>Item Name</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AAS</td>
<td>OPTICAL SYSTEM Double beam optics with quartz over coated mirrors, sealed against dust vapor. Wavelength Range: 185-900nm or more, software controlled with automatic lamp peaking. Monochromator: Monochromator having 1800 lines/mm grating, focal length: 300mm minimum, with software controlled wavelength ion to optimization. Grating: 1800 Lines/mm dual blazed holographic. Spectral Bandwidth: Variable 0.1 to 2.0nm. 0.1, 0.2, 0.5, 0.7, 1.0, 2.0nm with as maximum steps (through software control) Automatic settings of width height. Facility to reduce height for furnace operation at all slit widths. Wavelength Accuracy: (±) 0.15nm or better Wavelength Repeatability: 0.05nm or better Baseline Stability: 0.005A/30 min or better MAIN FRAME Lamp Turret (01 no.): Eight (or more) separate element lamp holder with automatic ion of lamp. Power Supply: 220V/50 Hz Noise Reduction: Design</td>
</tr>
</tbody>
</table>

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**Item Name: AAS**
should be such that the sample beam spends for atomization, so as to reduce the noise by up to 40%. Control System: Embedded PC with latest configuration for operation with licensed software. Results Printout: Output of parameters, data spectra calibration curves. Element Hollow Cathode Lamps (01 no. each): Al, As, Ba, Ca, Cd, Cr, Cu, Fe, Hg, K, Mg, Mn, Na, Ni, Pb, Se. FLAME ANALYSIS Sensitivity: System must be guaranteed for performance of 0.9 (or better) Abs of 5ppm Cu with related standard deviation less than 0.5%. Burner Head: All titanium burners, pre-mix design with solid polypropylene mixing chamber. Separate Air/Acetylene and Nitrous Oxide burner to be offered. Nebulizer: Platinum iridium capillary titanium venture, with liquid trap with liquid level interlock. Atomization Chamber: Material of construction: Corrosion resistant, flame ignition only on air based flames. Nitrous oxide ignition inhibited. Push button actuated glow plug ignition system. Fast change ion of nitrous oxide acetylene flame through software. Position Adjustment: System should have quick change mounting to enable easy changeover to graphite furnace. Chamber Safety: Safety interlocks on burner, nebulizer, and pressure relief bung liquid trap. It should also prevent nitrous oxide ion with air acetylene burner. HYDRIDE GENERATOR For trace elemental analyses of hydride forming elements like As, Se, Bi, Sb, Hg. Automatic flow injection hydride generation system to enable ppt level analysis of mercury. GRAPHITE FURNACE ANALYSIS Temperature Range: Ambient to 3000°C. Computer controlled maximum heating rate of 2000°C/sec. Minimum 10 no. of steps each with ramp hold, gas ion, and graphics display option read option. Temperature controller should monitor current voltage use power feedback to provide accurate control over the full temperature during both ramp hold stages. OTHER ACCESSORIES UPS (01 no.): 10 KVA UPS for flame, furnace Hydride generator with 30 min back up. Air Conditioner (01 no.): Split Air Conditioner 2.0 ton for proper operation of equipment with suitable voltage stabilizer. Gas Cylinder With Regulator (01 no. each): Nitrous oxide, Acetylene, Argon cylinders with gas regulators with heater for nitrous oxide. Exhaust System (01 no.): Hood, ducting with exhaust. Printer (01 no.): Laser printer. Water Circulator (01 no.): Cooling water circulator (01 no.) for Furnace operation. Auto sampler (01 no.): Universal Auto sampler for flame and graphite analysis Air Compressor (01 no.): Air Compressor for AAS operation. Voltage Stabilizer (01 no.): Suitable Voltage Stabilizer with Surge suppressor Spare Parts: For minimum 3 years operation.

Package Name: Central-14-G-P1
Item Name: AAS
FORMAT FOR QUOTATION SUBMISSION
(In letterhead of the supplier with seal)

To: ______________________________

Date: ____________________________

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Description of goods (with full Specifications)</th>
<th>Qty.</th>
<th>Unit</th>
<th>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)</th>
<th>Total Price (A)</th>
<th>Sales tax and other taxes payable</th>
</tr>
</thead>
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<td></td>
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<td>In %</td>
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<td>In figures (B)</td>
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</table>

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: __________________

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