

## INVITATION FOR QUOTATION

TEQIP-II/2015/GJ1G02/Shopping/M-CE-04

24-November-2015

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	Advanced Standard Penetrometer	1	21	BVM Engineering College, Vallabh Vidyanagar, Gujarat-388120	Free at the time of delivery at our site
2	Ring and Ball app - advanced digital model	1	21	BVM Engineering College, Vallabh Vidyanagar, Gujarat-388120	Free at the time of delivery at our site
3	Absolute and Kinematic viscosity testing Equipment's	1	21	BVM Engineering College, Vallabh Vidyanagar, Gujarat-388120	Free at the time of delivery at our site
4	Dynamic cone penetration Test Apparatus (DCPT) for pavement	1	21	BVM Engineering College, Vallabh Vidyanagar, Gujarat-388120	Free at the time of delivery at our site
5	Bitumen Extractor : Motorized with Variable Speed	1	21	BVM Engineering College, Vallabh Vidyanagar,	Free at the time of delivery at our site

				Gujarat-388120	
6	Balance electronic- 5000gm/0.01g(10mg) CA 5002	1	21	BVM Engineering College, Vallabh Vidyanagar, Gujarat-388120	Free at the time of delivery at our site
7	Digital Thin Film Oven	1	21	BVM Engineering College, Vallabh Vidyanagar, Gujarat-388120	Free at the time of delivery at our site
8	Stripping Value Apparatus	1	21	BVM Engineering College, Vallabh Vidyanagar, Gujarat-388120	Free at the time of delivery at our site
9	Benkelman Beam (Digital)	1	21	BVM Engineering College, Vallabh Vidyanagar, Gujarat-388120	Free at the time of delivery at our site
10	Hot Air Oven	1	21	BVM Engineering College, Vallabh Vidyanagar, Gujarat-388120	Free at the time of delivery at our site

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 **55** 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 **24 months** from the date of successful acceptance of items with free replacement at our site.
11. You are requested to provide your offer latest by **15:00** hours on **15-Dec-2015**.
12. Detailed specifications of the items are at Annexure I.
13. Training Clause (if any) **Free Training at the time of Installation at our site**
14. Testing/Installation Clause (if any) **Free Installation at the time of delivery at our site**
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,  
BVM Engineering College, Vallabh Vidyanagar, Dist: Anand , Gujarat- 388120
17. We look forward to receiving your quotation and thank you for your interest in this project.

(Authorized Signatory)

Name & Designation

**Annexure I**

<b>Sr. No</b>	<b>Item Name</b>	<b>Specifications</b>
1	Advanced Standard Penetrometer	(IS 1203-1978, ASTM D-35) supplied completely with all accessories: Weight of 100 gm. Std. temp. at 25°C Automatic digital timer 5 sec. 6" dial with graduated from 0-400 in one tenth millimeter sub division Container: 55 mm in diameter × 35 mm or 57 mm in height Needle for bitumen sample
2	Ring and Ball app - advanced digital model	Rise of temperature at 5° C as per the guidelines of Standards. Beaker internal diameter of 8.5 cm and 12 cm depth (approx).

		<p>Microprocessor based Hot Plate cum Magnetic Stirrer Automatic Temperature Compensation</p> <ul style="list-style-type: none"> <li>• Sample Stirring Capacity : Max Volume 2000 ml (Water)</li> <li>• Speed range up to : 1250 RPM</li> <li>• Heating Surface Plate Dim : 135mm X 135mm</li> <li>• Heating plate material : Stainless Steel</li> <li>• Max Temperature Range : 400° C</li> <li>• Timer Range : 0-999 Min</li> <li>• Accuracy : <math>\pm 1^{\circ}\text{C}</math> (&lt;100°C); <math>\pm 3^{\circ}\text{C}</math> (&lt;400°C)</li> <li>• Power Requirements : 220 Volt, 50 Hz, Single Phase, AC Power supply with all accessories. With calibration Certificate and accessories as per IS and IRC Specifications.</li> </ul>
3	Absolute and Kinematic viscosity testing Equipment	<p>Complete absolute and kinematic viscosity testing equipment confirming to IS:1206 (part-II) and (part-III) ASTM D 2171 and 2170 method for testing tar and bitumen materials:</p> <ol style="list-style-type: none"> <li>1. Constant Temperature Bath: A suitable bath for immersing of 2 vacuum capillary viscometer tubes with a digital temperature controller. The accuracy of the temperature in the bath will be (+-) 0.2oC throughout the bath.</li> <li>2.Silicaone bath oil suitable up to 150oC-12ltrs</li> <li>3. Vacuum system-The system will consist of vacuum pump, moisture trap, and vacuum regulator, bleed valve all interlocking tubing/piping and any other accessories as needed to complete the vacuum system.</li> <li>4.Thermometer for bath-IP 93 C and IP 35C</li> <li>5. Built in Digital Timing Device: A stop watch capable of reading up to 0.01 second.</li> <li>6. Indian make Cannon-Manning Vacuum Viscometer tubes of size 12 and 13 supplied with manufacturers calibration certificate. Viscometer tube holder and silicone cork. This will cover the range from 800-3200 poise.</li> <li>7. Viscometer stnand-2 for holding 2 viscometers.</li> <li>8. Indian make reverse flow viscometer to cover viscosity range of 250-400 cst (1 No.) including all accessories.</li> </ol>

4	Dynamic cone penetration Test Apparatus (DCPT) for pavement	<p>“DCP equipment continuous measurement scan be made down to a depth of 80 mm or when an extension rod is fitted to a depth of 1200mm. Where pavement layers have different strengths the boundaries can be identified and the thickness of the layers determined.</p> <p>The equipment comprises of the following:</p> <ol style="list-style-type: none"> <li>1. One dropping weight, top with handle. 1meter scale mounted on square pipe, penetration rod cone and an anvil.</li> <li>2.Extension rod (optional Extra)</li> <li>3. One copy operating instructions with general assembly drawing.”</li> </ol>
5	Bitumen Extractor : Motorized with Variable Speed	<p>Special model facilities speed control and vibration free smooth operation. Speed variation up to 3600 RPM. Complies with following IS and ASTM D 2172, AASHTO T 58, T-164. The Equipment consists of removable cast aluminum rotor bowl mounted on a vertical shaft. The bowl assembly is enclosing in housing mounted on a cast aluminum body. The gears operate in oil bath with splash lubrication. Complete with 25 filter disc. Suitable for 230 volts, single phase AC supply, two pan type with needle indicator, capacity 5 kg complete with set of weights from 2 kg t 0.5gm. Electronic balance (Capacity :6000gms, Accuracy:0.1gms)</p>
6	Balance electronic- 5000gm/0.01g(10mg) CA 5002	<p>Based on E.M.F.C Technology ,Microcomputer based design, Sharp, clear, LED display &amp; Vacuum Fluorescent display, Std. bi-directional RS232C interface</p> <p>automatic zero tracking, port for external display, stainless steel weighing pan, tarring range(subtractive): up to full capacity, response time: 3 to 6 seconds (Appox), power requirement : 230 V Ac(+)-10%--15%,50hz,oprating temp:10-45°C</p>
7	Digital Thin Film Oven	<p>“18” x 18” x 18”</p> <p>Better Mineral / Blanket Insulation for high Temperature &amp; to avoid heat loss</p> <ul style="list-style-type: none"> <li>• Silent Hot Air Blower, Unique design of Air Circulation provide throughout uniform Air movement</li> <li>• Unique design of ventilation keeps the surface of the instruments from being Burnt even when the instruments i.e. Oven Temperature maintained at 200°C</li> </ul>

		<ul style="list-style-type: none"> <li>• Polish / Hair Line 304 grade S. Steel sheet interior, long operation, corrosion resistant</li> <li>• Toughened Glass view window to observe /Test the material without disturbing the Temperature</li> </ul> <p>Condition of the chamber.</p> <ul style="list-style-type: none"> <li>• Working Temperature required as per IS : ASTM is 163°C+- 1°C</li> <li>• Provide with detachable metal shaft (Both for Loss on Heating / Thin Film Oven)</li> <li>• Reduction gear is fitted from outside rotated by a vertical shaft having 5-6 RPM</li> </ul> <p>Control Panel:- Mains &amp; Load Indicator Fine Temperature Controller, Digital Temperature Controller, Fan Switch, Rotating Motor, Control Switch</p> <p>Temperature Range:- Ambient to +-250°C, Controlled from 60°C – 250°C</p> <p>Temperature Stability :- +-1°C or better</p> <p>Interior:- S. Steel 304 Grade Steel Sheet</p>
8	Stripping Value Apparatus	<p>For determining Stripping Value of bituminous mixes having aggregate size 1.0mm to 75 microns. Salient Features:- A circular tray rotates in a vertical plane at a rate of approximately 100 r.p.m. by an electrical geared motor. • 4 bottles of approximately 400 cc are mounted on this circular tray at an angle of 90° to each other with their mouths towards center of the tray. A time switch is provided Suitable for operation on volts A.C. single phase.</p>
9	Benkelman Beam (Digital)	<p>For determining the deflection of flexible pavements under the action of moving of loads.</p> <p>The apparatus consist of 365cm long aluminum beam in two halves arranged to give lever arm ratio of 2:1. Provision is made for levelling the apparatus.</p> <ul style="list-style-type: none"> <li>· The light weight instrument is supplied in two different parts for assembling on site with easy hand tools.</li> <li>· In use, one end of the beam rests at a point under investigation while the beam is pivoted at the center.</li> </ul>

		<p>The free end carries a dial gauge to record the deflections.</p> <ul style="list-style-type: none"> <li>· The other end is kept on a stable platform.</li> <li>· The beam ratio is 2:1 which magnifies even small deflections.</li> <li>· Supplied with a DIGITAL dial gauge 0.01 x 25mm.</li> <li>· This is a light weight dismountable instrument and easy to carry.</li> <li>· With wooden carrying case.</li> </ul>
10.	Hot Air Oven	<p>Thermostatically operated</p> <p>18" x 18" x 18"</p> <p>Inner S.S. Double walled inside chamber Stainless Steel. Outer Chamber of mild steel duly powder coated. Temperature controlled from 50C to 250C. Beaded heating elements are placed in the ribs at the bottom and utilize a motorized fan to force air across heating elements and into the warning chamber. The fan allows for a more consistent distribution of air and is designed for applications in which good temperature uniformity or faster heat up/drying time are needed sides. Two indicating lamp, and on / off switch. To operate on 220 /230 volts. A.C. Supply.</p>



**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: \_\_\_\_\_