

**Transportation Engineering Laboratory  
Department of Civil Engineering  
IIT Delhi, Hauz Khas, New Delhi - 110 016**

18<sup>th</sup> February 2014

Sealed quotations are invited for the purchase of the following item by Transportation Engineering Laboratory, Department of Civil Engineering, IIT Delhi confirming to the technical specifications given below:

**Item:** Stone polish value Equipment with Skid resistance tester

**Quantity:** One

**Important Technical Specifications:**

**Stone polish value Equipment**

- It should confirm to stone polish vale apparatus specified in BIS 812:Part 114 - 1989, IS: 2386 (part-IV) -1963
- It should measures the resistance of road aggregates, paving stones, paving blocks to the polishing action of vehicle tyres.
- The wheel of the apparatus should accepting minimum 14 specimens
- It should have provision of water and flour emery supply at control rate
- Digital Display: Test Time, Wheel speed etc.
- The wheel speed : 310 – 330 rpm
- Feed rates for corn emery: 20-34 g/min.
- Feed rate for flour emery is 2 - 4 gm/min.
- The water is supplied at a controlled rate of 34 ml/min to 5 ml/min.
- Applied load on specimens : 715 to 735 N
- Power Supply 220 V, 50 Hz, Single Phase, AC supply

**Skid resistance tester** (originally develop by TRRL, UK)

- The apparatus should be suitable for both site and laboratory applications and also suitable to perform two types of tests (1) Measuring pavement surface friction and skid resistance properties.(2) polished stone value test on aggregates from accelerated polishing test.
- The skid tester is supplied complete with additional incorporated scale for tests on polishing stone value specimen.
- The apparatus should be provided with slider lifting device for height adjustment.
- The Skid resistance tester should be equipped with adjustable feet on base.
- The Skid resistance tester should be equipped with adjustable mechanism of rubber slider.
- The pointer should be light alloy and has extreme low friction.

**Terms and Conditions:**

- Sealed **technical** and **commercial** quotations should be submitted in separate envelopes; **else they would be rejected**,
- Quotations should be directly from the original developer or authorized sales agent,
- The cost should include delivery (CIF Delhi), installation and training at IIT Delhi,
- If the items are proprietary product of the company, a proprietary certificate stating the same may be provided,
- If the bidder is not a manufacturer, authorization from the manufacturer needs to be enclosed,
- The supplier must submit proof (including address, telephone number and email ID) of prior installations at other central govt. funded institutions and/or R&D labs. The bidder should have supplied/installed same items in at least three or more such organizations ,
- The validity of the offer should be for 4 months,
- Delivery period should be mentioned,

- Details on installation, commissioning and training must be specified,
- Preferred method of payment will be through Letter of Credit (LC) or RTGS or Electronic Fund Transfer (EFT) / Wire Transfer (WT) ,
- The details of recipient of payment LC / EFT/WT should be given clearly,
- **Discount/Rebates:** A special discount/rebate wherever admissible keeping in view that supplies are being made for educational and research purpose in respect of public institution of national importance may please be indicated.
  
- **Rejection:**
  - (a) Quotations not conforming to the set procedure as above would be rejected.
  - (b) Incomplete and conditional tenders would be summarily rejected.
  - (c) IIT Delhi reserves the rights of acceptance or rejection of any or all quotations without assigning any reason thereof.
  
- The last date for receipt of the quotations is **5<sup>th</sup> March 2014, 4 pm**

**Sealed quotations shall be submitted to:**

Dr. K. Ramachandra Rao  
Associate Professor and Officer In-charge  
Transportation Engineering Laboratory  
Department of Civil Engineering  
Indian Institute of Technology Delhi  
Hauz Khas, New Delhi – 110016, India