

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

29<sup>th</sup> October 2012

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

**Item:** Rolling Thin Film (RTF) Oven

**Quantity:** One

**Technical Specifications:**

- Oven should conform to ASTM D2872 / AASHTO T240,
- The oven should be doubled walled with corrosion resistance and welded steel exterior with high density fiber glass insulation.
- Oven should have a flow meter, a moisture indicator, and an air pressure gauge with regulator,
- Oven's external frame and internal chamber should be of stainless steel made with insulated fiberglass intermediate chamber,
- Double exhaust vents for dissipation of expanded volatile from specimen
- The circular test rack should be able to hold eight RTFO glass containers (64x140) and rotate at 15rpm
- Oven should be provided with a large glass door for inspection,
- The oven should be supplied with precision digital thermostat to maintain 163°C as test temperature, with an accuracy of  $\pm 0.5^\circ\text{C}$ , also the oven should have suitable mechanism to maintain temperature of chamber in the range of ambient to at least 200 °C
- The oven should be equipped with a dual safety thermostat to prevent overheating,
- Display: Minimum 4 digit LED type for set point and actual
- Power Supply: 230 V, 1 Phase, 50 Hz,

**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 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 **12<sup>th</sup> November 2012, 5 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