

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

06th August 2012

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: Rolling Thin Film (RTF) Oven along with peripherals

Quantity: One

Technical Specifications:

- Oven should confirm to ASTM D2872 / AASHTO T240, CNR N° 54,
- 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,
- The circular test rack should be able to hold eight RTFO glass containers and rotate at 15rpm
- Oven should be provided with a large glass door for inspection,
- The oven should maintained the temperature variation range 20°C to 350°C,
- The oven should be supplied with precision digital thermostat to maintain 163°C as test temperature, with an accuracy of $\pm 0.5^\circ\text{C}$,
- The oven should be equipped with a dual safety thermostat to prevent overheating,
- Peripherals including (i) Thermometer confirming to ASTM 13C, (ii) Ventilation device, (iii) Set of eight RTFO glass containers (64 mm diameter and 140 mm height), (iv) Stainless steel cooling rack able to hold nine (9) bottles, (v) RTFO bottle scraper should be supplied with the RTF oven,
- The necessary **air compressor and dryer** system has to be supplied along with the equipment.
- 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,
- Three names and contact information (including address, telephone number and email ID) of current users are to be provided along with the quotation,
- The bidder should have supplied/installed such equipment in at least three or more 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,
- IIT Delhi reserves right to accept/reject any or all quotations without assigning any reason,
- The last date for receipt of the quotations is **23rd August 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