CENTRE FOR NANOSCIENCE & NANOTECHNOLOGY
(South Campus, Block-II, Sec-25)
PANJAB UNIVERSITY, CHANDIGARH-160014 (INDIA)

NSNT/ 2586-2590 Date: 20.07.2016

Tel. No: + 91-172-2541741 FAX No: +91-172-2783336

***Speed post/Registered post***

**Dear Sir,**

**Please quote Technical and Financial bids (in two separate envelopes)** for the supply of following items to the Principal Investigator, Centre for Nanoscience and Nanotechnology, Panjab University, Chandigarh as per specifications: -

| Sr. No. | **Generic Name- Analytical Weighing Balance**<br>**Quantity required: 1 No** |
|---|---|
| 1. | **Specifications**<br>a. General requirement: Electronic weighing balance.<br>b. Make: A & D, Metler Teledo, Sartorius.<br>c. Display: High contrast clear digital display.<br>d. Weighing capacity: 250-350 g<br>e. Readability:-0.0001g (0.1 mg)<br>f. Pan size (diameter): 90-150 mm.<br>g. Repeatability: ± 1mg or better<br>h. Linearity: ± 0.3 mg or better<br>i. Calibration: Built in motorized calibration of weight for fully automatic internal calibration function via touch key. Intelligent calibration mode for both internal calibration as well as external calibration.<br>j. Size: Should be compact in size with smaller footprint.<br>k. Stabilization: High speed weighing with average response time less than five second for stabilization.<br>l. Special Safeguard: Should come with overload protection. (Preferably protection mechanism against vertical & transverse overloading.)<br>m. Weighing pan and outer area: Superior quality stainless steel |

| | |
|---|---|
| | weighing pan (removable) and dust and spill rings with corrosion resistance (acid & base). (Should be easy to dismantle for cleaning and reassemble back.)<br>n. Certification: Should be ISO 9001 certified.<br>o. Operation: Should be user friendly. User manual should be provided.<br>p. Warranty: Minimum two years. |
| 2 | **Generic Name – Hot Air Oven (Laboratory)**<br>**Quantity required: 1 No** |
| | **Specifications**<br>a. Capacity: 200 (± 25) Litres.<br>b. Temperature controller: Range- ambient to 250 °C. Digital controller cum display with accuracy ± 3 °C or better. Preferably with microprocessor PID controller. Entire unit should be placed at the top of the chamber.<br>c. Chamber and air circulation: Air circulation fan with an isolated on/off switch. Multiple stages (adjustable inner rack/trays made of superior quality stainless steel – grid/mesh type only). Entire chamber (all side walls and top-bottom walls) should be made of high quality SS (> 1 mm thickness) with mirror/smooth finish with better durability. There should not be any sharp edges.<br>d. Material (inner body): Superior quality stainless steel (corrosion resistance to acid fumes at high temperature).<br>e. Material (outer body): Superior quality material (preferably powder coated MS) with high quality coating for corrosion resistance and durability.<br>f. Timer: 0-24 hours or better.<br>g. Door and body: Body should be thermally insulated with a single door. Door should preferably contain a small glass window/part (minimum of 200 mm x 200 mm) for chamber visibility.<br>h. Power requirement: up to 240 V AC or as per Indian standard.<br>i. Warranty: Minimum 2 years. |

The quotations must reach in sealed envelopes by **03.08.2016 at 5.00 p.m.** along with your other terms and conditions of supply, if any.

**LAST DATE OF RECEIPT OF QUOTATIONS: 03.08.2016 AT 5.00 P.M.**

***OPENING OF QUOTATIONS: 05.08.2016 AT 3.30 P.M.**

**(*If it is a holiday, next working day will be considered)**

**Note: -** The quotation must reach by hand/registered post/speed post on or before **03.08.2016 by 5.00 p.m.** at the following address.

**The Principal Investigator,**
**Centre for Nanoscience and Nanotechnology, Panjab University,**
**Science Block- II, Sector-25, University South Campus, Chandigarh-160014.**

**- MOST IMPORTANT-**

1. The bidders are requested to attach the EMD as demand draft of 2 % of the total value of the quotation/proforma invoice in the name of 'The coordinator, Centre for Nanoscience and nanotechnology, Panjab University Chandigarh', without EMD financial bids will not be entertained.
2. Please quote technical and financial bids separately (in two separate envelopes) with EMD.
3. Panjab University, does not take responsibility for any postal delay in delivery of registered/speed post or lost in transit of quotation.
4. We have been exempted from paying central excise duty to vide govt. of India notification no. 10/97-central excise dated March 1, 1997 and is valid up to 31-8-2020.
5. The rate should be quoted both in words and figures in **financial bid only.**
6. Conditional and unsigned quotation will not be accepted.
7. The supply of consignment be commenced/made within 30 days of the issue of supply order.
8. All quoted rates should be for Panjab University and the firm should quote the rate of all taxes.
9. No payment will be made on proforma invoice.
10. The quotations shall not contain corrections, erasers, and overwriting.
11. The undersigned reserves the right to accept or reject **any quotation without assigning any reason**.
12. Special discount for the educational institution, University teaching department may be mentioned.
13. Quotation shall be opened on **05-08-2016 at 3.30 p.m.** and **you may depute your representative at the time of opening of quotation**.

14. The quotation (technical and financial bid with EMD) in a sealed envelope giving our/your reference no./date of quotation should be sent after affixing the required postage stamps. The quotation may be sent by speed post /registered post (as far as possible) / by hand.

15. The present rate of S.T. applicable on the articles should be clearly mentioned.

16. Earnest money/security deposit/any other sums of the tenderers lying with the University in connection with and other tender/case will not be considered against this tender.

17. Technical specifications are intended to be descriptive only and not restrictive. The bidder may substitute alternatives with identical standards, brand names and/or catalogue numbers in its bids, provided that it demonstrates to the purchaser's satisfaction.

18. The bidders shall provide a list of reputed institutions/universities/research laboratories in India where their equipment had been installed. Should provide evidences for minimum of 30 installations in India.

**Mention clearly whether you meet the Technical Specifications (yes/no)**

| Sr. No. | Generic Name of Items | Specify Yes/No |
|---|---|---|
| 1. | **Analytical Weighing Balance** | |
| | **Specifications**<br>a. General requirement: Electronic weighing balance.<br>b. Make: A & D, Metler Teledo, Sartorius.<br>c. Display: High contrast clear digital display.<br>d. Weighing capacity: 250-350 g<br>e. Readability:-0.0001g (0.1 mg)<br>f. Pan size (diameter): 90-150 mm.<br>g. Repeatability: ± 1mg or better<br>h. Linearity: ± 0.3 mg or better<br>i. Calibration: Built in motorized calibration of weight for fully automatic internal calibration function via touch key. Intelligent calibration mode for both internal calibration as well as external calibration.<br>j. Size: Should be compact in size with smaller footprint.<br>k. Stabilization: High speed weighing with average response time less than five second for stabilization.<br>l. Special Safeguard: Should come with overload protection. (Preferably protection mechanism against vertical & transverse overloading.)<br>m. Weighing pan and outer area: Superior quality stainless steel weighing pan (removable) and dust and spill rings with corrosion resistance (acid & base). (Should be easy to dismantle for cleaning and reassemble back.)<br>n. Certification: Should be ISO 9001 certified.<br>o. Operation: Should be user friendly. User manual should be provided.<br>p. Warranty: Minimum two years. | |

| 2. | Hot Air Oven (Laboratory) | |
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| | **Specifications**<br>a. Capacity: 200 (± 25) Litres.<br>b. Temperature controller: Range- ambient to 250 °C. Digital controller cum display with accuracy ± 3 °C or better. Preferably with microprocessor PID controller. Entire unit should be placed at the top of the chamber.<br>c. Chamber and air circulation: Air circulation fan with an isolated on/off switch. Multiple stages (adjustable inner rack/trays made of superior quality stainless steel – grid/mesh type only). Entire chamber (all side walls and top-bottom walls) should be made of high quality SS (> 1 mm thickness) with mirror/smooth finish with better durability. There should not be any sharp edges.<br>d. Material (inner body): Superior quality stainless steel (corrosion resistance to acid fumes at high temperature).<br>e. Material (outer body): Superior quality material (preferably powder coated MS) with high quality coating for corrosion resistance and durability.<br>f. Timer: 0-24 hours or better.<br>g. Door and body: Body should be thermally insulated with a single door. Door should preferably contain a small glass window/part (minimum of 200 mm x 200 mm) for chamber visibility.<br>h. Power requirement: up to 240 V AC or as per Indian standard.<br>i. Warranty: Minimum 2 years. | |

Yours faithfully,

(Dr. Jadab Sharma)

Principal Investigator

UGC SU-R/P, Centre for Nanoscience & Nanotechnology, Panjab University

Principal Investigator
Centre for Nanoscience & Nanotechnology (UIEAST)
Panjab University, Chandigarh