

**DEPARTMENT OF BIOCHEMICAL ENGINEERING AND BIOTECHNOLOGY  
INDIAN INSTITUTE OF TECHNOLOGY DELHI  
HAUZ KHAS, NEW DELHI – 110016**

19.02.2014

Subject: Notice Inviting Quotation (NIQ) for purchase of Microbalance

Sealed quotations are invited for purchase of 1 (one) Microbalance in the Department of Biochemical Engineering and Biotechnology IIT Delhi addressed to Dr. Z. A. Shaikh, DBEB, IIT Delhi on or before 06. 03. 2014 by 2:00 P.M. All the interested parties are requested to read the specifications given below carefully before submitting the quote. The quotation must include all taxes, handling, shipping and installation charges. Also all details of guarantee/warranty should be clearly mentioned. The Technical and Financial bids should be in separate sealed envelopes and both should be placed inside a large sealed envelope inscribed with "Quotation for purchase of Microbalance". The Technical and Financial bids must provide all information about the components asked in the sections "Specifications of Essential Items".

Item Name: Microbalance

Quantity: 01 (One)

NOTE: Kindly do not send any unnecessary documents, like advertisements containing the product rang list of vendors/distributors etc., copies of recent PO's of supplies made by vendor, along with the bids.



Dr. Z. A. Shaikh  
DBEB, IIT Delhi

## Specifications of Essential Items

Microbalance with 0.001mg resolution and weighing range upto 6000 mg or more with touch screen operation and hands free opening and closing of pan cover and interface to analyser for direct transmission of weighing data.

### **Standard Features**

Fully automatic time- and temperature-controlled internal adjustment and linearization  
Easy to clean, motor-driven draft shield  
Two IR sensors for hands-free operation  
In-built RS232C, two auxiliary interfaces for connecting a keyboard or additional IR sensor for hands-free operation  
Slot for a second optional interface such as LAN, Ethernet, RS232, USB, Bluetooth, PS/2

Coloured touchscreen display  
6 or more different pre-programmed applications  
8 configurable user accounts with password protection  
4 definable info fields for user and sample identification  
Graphic weighing-in aid, to track capacity and weighing tolerances  
Up to 10 shortcut keys for special functions  
Maximum capacity 6 g or more  
Readability 0.001 mg  
Repeatability – at nominal load 0.0008 mg  
– at low load (measured at) 0.0006 mg (0.2 g)  
Linearity 0.004 mg  
Eccentric load deviation (test load) 0.005 mg (1 g) or better  
Sensitivity offset  $7 \times 10^{-6}$   
Sensitivity temperature drift at least 0.0001% /°C  
Sensitivity stability 0.0001% or better  
Settling time < 8 s

### **NECESSARY TERMS AND CONDITIONS**

1. IIT Delhi is exempted from paying custom duty under notification No.51/96 (partially or fully) and necessary “Custom Duty Exemption Certificate” can be issued after providing following information.
  - a. Shipping details i.e. Master Airway Bill No. and House Airway No. (if exists)
  - b. Forwarder details i.e. Name, Contact No., etc.Custom Duty Exemption Certificate will be issued to the shipment in the name of the Institute and Bills of Entry should be submitted to IIT Delhi later on.
2. Either the Indian agent on behalf of the Principal/OEM or Principal/OEM itself can bid but both cannot bid simultaneously for the same item/product in the same tender. If an agent submits bid on behalf of the Principal/OEM, the same agent shall not submit a bid on behalf of another Principal/OEM in the same tender for the same item/product.
3. If the bidder is an authorized dealer of any manufacturer, the authorized Indian dealership certificate from the principles should be enclosed. Similarly, proprietary certificate for proprietary items should be provided.

4. IIT Delhi is exempted from paying Excise Duty and necessary Excise Duty Exemption Certificate will be provided for which following information are required. a. Quotation with details of Basic Price, Rate & Amount on which ED is applicable.
5. Please quote prices of imported items at FOB (Freight on Board) IIT Delhi inclusive of all taxes, freight, delivery, installation and onsite training charges. The quotation should provide the total price of the system including all taxes and transportation charges.
6. In case IIT Delhi is imposed with demurrage charge due to import on CIF, the entire demurrage charge has to be borne by the Indian Agent of foreign supplier.
7. A special discount/rebate wherever admissible keeping in view that supplies are being made for educational purpose in respect of public institution of national importance may please be indicated.
8. Payment Options (any one to be chosen by the Department)
  - Letter of Credit: 90% payment against shipping documents & balance 10% after satisfactory installation. For large purchase i.e. costing over Rs. 1 crore, 100% payment be made through LC.
  - Sight Draft: Payment against documents through bank.
  - Against Delivery: Payment by wire transfer after receipt of material.
  - Advance payment: pre-payment by wire transfer (for orders less than Rs. 5 lakh)
  - Against Delivery: Payment by wire transfer after receipt and installation of material.
9. Delivery period: within 1 month from the issue of supply order.
10. Warranty: at least 3 years comprehensive onsite warranty should be provided. AMC price beyond 3 years should be mentioned separately.
11. The quotations must have validity of at least three months.
12. Authority of IIT Delhi reserves the right to reject any or all quotations without assigning any reasons.