



DEPARTMENT OF CIVIL ENGINEERING
Indian Institute of Technology Madras
I.I.T.P.O., MADRAS-600 036

Form for Inviting Quotations

Ref.No.CIE/SMSH/2018/Digit Analy. Balance/

Date: 27-3-2018

DUE DATE: 10-4-2018

To

Dear Sirs,

1. Quotations are invited in duplicate for the various items shown below / overleaf / **Enclosed list.**
2. **The Quotations duly sealed and superscribed on the envelope with the reference No. and due date, should be addressed to the undersigned and contain in 2 bid system i.e. Technical bid and Commercial bid in two separate envelopes should be enclosed in a single envelope only so as to reach on or before the due date stipulated above.**
3. The Quotations should be valid for ninety days from the due date and the period of delivery required should also be clearly indicated.
4. If the item is under DGS&D Rate contract No. and the price must be mentioned. It may also please be indicated whether the supply can be made direct to us at the Rate contract price (Please note that we are not Direct Demanding Officers). If so please send copy of the RC.
5. Relevant literature pertaining to the items quoted with full specifications (and drawing, if any) should be sent along with the Quotations, wherever applicable. Samples if called for, should be submitted free of charges, and collected back at the supplier's expenses.
6. Local Firms : Quotations should be for free delivery to this Institute. If Quotations for Ex-Godown delivery charges should be indicated separately.
7. Firms Outside Madras : Quotations should be for F.O.R. Madras. If F.O.R. consignor station, freight charges by passenger train / lorry transport must be indicated. If Ex-Godown, packing, forwarding and freight charges must be indicated.
8. The rate of sales / General Taxes and the percentage of such other taxes legally leviable and intended to be claimed should be distinctly shown along with the price quoted. Where this is not done, no claim for Sales / General Taxes will be admitted at any stage and on any ground whatsoever The taxes leviable should take into consideration that we are entitled to have concessional Sales Tax applicable to non Government Educational Institutions run with no profit motive for which a concession. Sales Tax Certificate will be issued at the time of final settlement of the bill.
9. Goods should be supplied carriage paid and insured.
10. Goods shall not be supplied without an official supply order.
11. Payment : Every attempt will be made to make payment within 30 days from the date of receipt of bill / acceptance of goods, whichever is later.

Yours faithfully,


[Dr. SHIVA NAGENDRA]

Note: (i) Quotation should be sent by SPEED POST only or to be delivered directly to the concerned.
(ii) Firms are requested to submit the specifications of their product along with supporting technical Documentation / brochure instead of reproducing the specifications sent by us.

Technical Specification for 6 Digit Analytical Balance

Balance should be designed and manufactured under ISO-9001 and should comply with international regulatory and safety requirement.

Specifications

S. No	Specifications	Descriptions
1	Core Specification	Balance should have minimum readability of 0.001 mg and maximum 6.0 g or better. Balance controlled by touch screen and display must be high resolution color TFT with 5.7" graphic display or better
2	Tare range (subtractive)	6.0 g or better
3	Repeatability	0.001 \pm mg or better
4	Corner load (test load g)	0.004 mg or better
5	Sensitivity drift between +10 to +30°C	1 \pm ppm/K or better
6	Typical stabilization time	< 5 s or better
7	Typical measurement time	< 8 s or better
8	Filter Weighing Pan	50 mm or better
9	Weighing chamber height	15 mm or better
10	Calibration	Should comply with fully automatic internal calibration (ii) temp dependent calibration (iii) user defined time interval calibration (iv) external calibration with standard weights (v) internal linearization and reproducibility test.

Note: List of references in India, where similar systems have been installed, must be provided and this will be taken seriously while making the decision in awarding the tender.

Optional and data acquisition

1. Installation and commissioning of instrument should be carried out at site.
2. Minimum 3 years warranty with 1 or 2 year free service will be preferred
3. A service center must be available in Chennai for service engineers to attend to the instrument for maintenance or troubleshooting.
4. On-site training for the operation of the hardware and software systems should be included.

