



SPEED POST

**SARDAR VALLABHBHAI NATIONAL INSTITUTE OF TECHNOLOGY, SURAT
GUJARAT-395 007**

No. DoME/RSY/ARDB Project/ 217/2024-25/178

Date: 30/04/2025

To,

ત્વરાત ડાક
SPEED POST

30 APR 2025

Institute Website

SUB: - Enquiry for Weighing Digital Micro Balance


Dear Sir,

You are requested to quote your prices for supply of stores listed overleaf. The quotations may be sent to the undersigned in a sealed envelope and subscribed as: "Quotation with reference to Enquiry No. DoME/RSY/ARDB Project/ 217/ /2024-25 dated: 30/04/2025. Your quotation should reach the undersigned on or before **20/05/2025 at 5:00 pm.**

The quotations should be furnished with the following information.

- 1) The brand or make of each item should be specifically stated and wherever necessary, Complete set of specifications and dimensions should be given.
- 2) If asked, samples accompany the quotations
- 3) Sales tax, General tax, Central Sales tax, Custom duty, Insurance charges, Packing and Forwarding charges, if not included in the prices quoted, should be clearly specified.
- 4) The period of validity of the quotation should be at least 45 Days. Offers subject to prior sale may please be avoided.
- 5) The delivery period is to be clearly mentioned in the quotation.
- 6) The mode of delivery of the stores may be mentioned. The delivery should be F.O.R. Surat or at the Institute.
- 7) All concessions available to an educational institution should be specified and also taken into account while quoting.
- 8) This Institute is located within the limits of S.M.C. & exempted from the paying of octroi duty on incoming goods from outside limits of S.M.C.
- 9) This Institute is registered with the Dept. of Scientific & Industrial Research (DSIR) for the purpose of availing custom duty exemption & central excise duty exemption, and hence the certificate to this effect will be issued wherever it is necessary on demand.
- 10) Payment is normally made by cheque drawn on the S.V.N.I.T. Branch Office of State Bank of India, Surat-395007 within a period of thirty days from the date of receipt of stores.
- 11) Your specifications & terms- conditions should be as per the format attached, must be on your company letterhead & signed by an authorized person.
- 12) Offered quotation may be rejected if any ambiguity is found in offered specifications, terms & conditions supplied by party in specified tabular format.
- 13) The Director reserves the right to accept stores, which are not strictly in confirming with the specifications but otherwise, found suitable.

Yours faithfully,


Head, Dept. of Mech. Engg.

RSY

29.04.2025

Technical Specifications of the Weighing Digital Micro balance

a) Weighing Digital Micro balance

S. No.	Parameters	Technical Specification
1.	Capacity	60 g / 220 g (Dual Range) or larger than these
2.	Readability	0.00001 mg (0.01 mg) / 0.0001g/ (0.1 mg) or less than these
3.	Repeatability	+/-0.03~0.08 mg (low~high) or less than these
4.	Linearity	+/- 0.1 mg or less than these
5.	Pan size	90 mm ø (Stainless steel 316 grade or better) Round edge, smooth surface easy to clean)
6.	Response Time/stabilization time	Approx 4~6 s/ 6~8 s or less than these
7.	Technology	Based on Electromagnetic Force Compensation-Brilliant Semi Single Block System and advanced Microcontroller base, unique excellent Software with updated feature
8.	Display	High Contrast Enlarged Advanced Eye Protected Backlit LCD Display or better
9.	Calibration	Inbuilt motorized Fully automatic temperature and time controlled ISO Internal adjustment
10.	Key Feature	Auto Self checking function, anti-vibration feature and auto filtration for matching environment conditions, int. memory
11.	Consistency and Reliability	Unfailing Reliability Guaranteed Consistency and Precision Year after Year even with intensive use - with high stability and excellent repeatability
12.	Draft shield	Yes, with 3 opening door – left, right and top smooth glass slider
13.	Interface	RS232, USB or better
14.	Operating temp	+ 5°C to + 40°C or larger than these
15.	Relative air humidity	40 to 80 %
16.	Weighing Units	g, mg, ct, tola, lb, gn, oz, ozt, dwt, etc (multi global weighing unit)
17.	Power Requirement	Input- AC110~230V, 50/60 Hz, +/- 15%
18.	Overload Protection	Yes, 150% of full scale
19.	Extra Protection	Protection of Main Balance Configuration, Airtight Rust & Dust proof weighing chamber (IP54)
20.	Housing	high grade chemical resistant metallic housing
21.	Dimension	330 x 208 x 358 mm (L x W x H)
22.	Minimum weighing capacity	0.2 mg
23.	Approx weight	6 kg
24.	Other Application	Dynamic weighing, percentage, piece counting, Auto Density result, below weighing, Statistics, filling, ISO GLP and GMP facility
25.	Approved	ISO, CE, OIML, Legal Metrology (Gov. of India)

b) Warranty – One Year or more Standard Warranty.