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Veermata Jijabai Technological Institute

(Central Technological Institute, Maharashtra State, INDIA)

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Ref No. STR/Mechanical Engg./⁵³¹⁰/2025

Date:- 09/01/2025

10 JAN 2025

QUOTATION NOTICE

M/s.

Subject:- Supply and Installation Surface Roughness Tester.

Enquiry Issue Date:- 09/01/2025

Last date of submission:- 23/01/2025 at 3.00 P.M.

Estimated Cost: Rs.4,75,000/- (Including GST)

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Dear Sir,

The Institute intends to undertake Supply and Installation Surface Roughness Tester in VJTI, Mumbai for which sealed quotation are invited. You are requested to quote the rates/price/cost in Annexure – I.

TERMS & CONDITIONS

1. Quotation submission

- Sealed quotation, addressed to Director, VJTI; shall be posted or submitted at First Floor, Inward Section, VJTI, H. R. Mahajani Marg, Matunga, Mumbai 400019, in person so as to reach this Office on or before the due date and time.
- The sealed envelope shall be superscripted with Reference No. mentioned overleaf.
- Quotation must be printed on the **letterhead** of the firm/vendor/company/organization otherwise quotation shall be rejected outright.
- **Please mention your GST, PAN and any other relevant identification /registration numbers.**
- If the due date turns out to be a holiday for unforeseen reason, quotation should be accepted on the next working day.
- The quotation should be valid for a period of 60 days.
- The rate/price/cost quoted should be inclusive of all items, labour charges, transportation cost etc.

2. Payment:-

- **Payment after the satisfactory completion of work will be made by bank transfer only.**
- **As per Institute policy, no advance payment will be made.**

3. Acceptance of quotation

- Institute reserves the right of rejection of any or all the quotations without assigning any reasons.
- Canvassing in any form would lead to rejection of quotations.
- Quotations received after the due date will not be considered.
- Quotations without Signature and Stamp / Seal are likely to be rejected.
- Terms other than this may be specified separately.

Head of Department

TRG

Annexure – 1 (Proforma for submission of price quote)

Details Specification are as follows:- Supply & Installation Surface Roughness Tester.

| Sr. No. | Particular | Sub-Particular | Expected Value/Details | Qty | Rate | Amount |
|---------|--------------------------|---------------------------|---|----------|------|--------|
| 1 | Measuring Range | X Axis | 25 mm | 1 NO. | | |
| | | Z Axis | 8-800 microns | | | |
| 2 | Detector | Detection Method | Differential Inductance | | | |
| | | Resolution | Min 10 micro over 800-micron range | | | |
| | | Stylus Tip Angle | 60 degree and 2-micron radius | | | |
| | | Radius of Skid Curvature | 40mm (with a skidless or skidded switchable) | | | |
| 3 | Drive Unit | Measuring Speed | Variable in steps (Min 0.005 to 1mm/sec) | | | |
| | | Drive Speed | 0.5-5 mm/sec | | | |
| | | Straightness | 0.3 micron pover 25mm | | | |
| 4 | Standards and Parameters | | JIS 1982/JIS 2001/ISO 1997/ANSI. Minimum. Ra, Rq, Ry, RZ, RP, RT, Rmr, R.Primary profile, Roughness profile, DF Profile, Waviness Profile, roughness motif profile, waviness motif profile. 0.08, 0.25, 0.8, 2.5, 8mm cutoff and sampling length must be available. | | | |
| 5 | Analysis Graph | | Material ratio curve, profile height amplitude distribution curve. There must be parabola, hyperbola, ellipse, circle, tilt functions for data compensation. | | | |
| 6 | Arbitrary Length | | 01 to 25mm | | | |
| 7 | Calculation Display Unit | Customization | Selection of display/evaluation roughness parameters. There must be function which helps to level workpiece prior to skidless measurement. Should store at least 10 measuring conditions. Display unit must have multiple language capability. | | | |
| | | Contour Analysis function | Step, step quantity, area, coordinate difference. | | | |
| | | Statistical Processing | Should calculate max, min avg, std devi, pass rate and histogram for each parameter | | | |
| | | Print Function | Should have a built in thermal printer | | | |
| | | Storage Function | Built in memory to store measurement conditions with a provision to adapt memory card. | | | |
| | | External I/O Function | UBS, digimatic output, RS 232 I/F, Foot Switch I/F. | | | |
| 8 | Power Supply | Battery | Built in battery (rechargeable NI-MH battery along with AC adapter). Battery should have endurance of about 1000 measurements. | | | |
| 9 | External Unit Dimensions | Calculation Display Unit | About 270 x 200 x 110mm (with +- 10% variation) | | | |
| | | Drive Unit | 128 x 35x46 mm (With +- 10% variation) | | | |
| 10 | Accessories | | There must be standard roughness specimens. 3 no's of paper roll sets for thermal printer. Touch pen AC adapter, S.S.stand. | | | |


Head of Department