

SPEED POST



સરદારવલ્લભભાઈનેશનલઈન્સ્ટીટ્યુટઓફટેકનોલોજી, સુરત
સરદારવલ્લભભાઈરાષ્ટ્રીયપ્રૌદ્યોગિકીસંસ્થાન, સુરત
SARDAR VALLABHBHAI NATIONAL INSTITUTE OF TECHNOLOGY, SURAT
(An Institute of National Importance, Ministry of Education, Government of India)

SVNIT

No. DoME/Seed Money/SK/OH-35 / 4274 / 2025-26 / 3051

Date 20/02/2026

To,

20 FEB 2026

Institute Website

Sub: Enquiry for Micro Forming Tools and Dies.

Dear Sir,

You are requested to quote your rates for Micro Forming Tools and Dies at the SVNIT Campus, Surat listed overleaf. The quotations may be sent to the undersigned in a sealed envelope and superscripted as "Quotation with reference to Enquiry No: DoME/Seed Money/SK/OH-35 / 4274 / 2025-26 Date: 20/02/2026, Your quotation should reach the undersigned on or before 26/02/2026 at 5:00 P.M. addressed to The HOD, DoME, S. V. National Institute of Technology, Ichchhanath, Surat-395007, Gujarat. However, SVNIT Surat accepts no responsibility for offers received after the due time and date.

The quotations should be furnished with the following information.

1. The rates specified in the quotation are for Design, Material procurement, Fabrication, Assembly, Testing, and Supply of high-precision Micro Forming Tools and Dies at the SVNIT Campus, Surat as per the required features mentioned in the table on a F.O.R. Institute basis.
2. GST and any additional charges such as transportation F.O.R. SVNIT should be clearly specified at the concessional rates allowed to educational institutions as per the relevant notification of the Government.
3. The supply period is to be clearly mentioned in the quotation.
4. The supply order is for a period of 30 days from the date of issue of a confirmed supply order.
5. The period of validity of the quotation should be at least 30 Days after last date to receive the quotation. Offer subject to a prior sale may please be avoided.
6. Generally, Payment shall be made within a period of thirty days from the date of satisfactory completion of the supply, installation, training & submission of bills and official procedure from the account section of the institute.
7. All concessions available to an educational institution should be specified and also taken into account while quoting.
8. The mode of supply must be mentioned. The supply should be at F.O.R. SVNIT, Surat.
9. An offered quotation may be rejected if any ambiguity is found.
10. The supply will be executed under the direct supervision of the Department Head, Mechanical Engineering.
11. In case of any accident during supply leading to injuries/damages to human being/equipment, or loss of life the bidder shall be fully responsible for settling all claims and indemnify the department against any claim arising out of such accident.
12. The acceptance of inquiry will rest with the competent authority (The Director, SVNIT, Surat) who does not bind himself to accept the lowest one and reserves the right to accept or reject any or all the inquiry tenders without giving any reasons thereof.
13. The Director, SVNIT, Surat reserves the right to accept an offer, which is not strictly conform to the specifications but is otherwise, found suitable. If offers do not comply with specifications or are found in substandard condition, the same is to be taken from the institute, at the cost and responsibility of the supplier.

Yours faithfully

Head, Mech. Engg. Dept.

20.02.2026

Technical Specifications

Sr. No.	Item Description	Qty.	Unit Rate Rs. Ps.	Total Rs. Ps.
1.	<p>Micro forming tools and dies with High-Precision</p> <p>The supplier shall be responsible for the design, procurement of materials, fabrication, assembly, testing, and supply of high-precision microforming tools and dies.</p> <p>1. The scope includes:</p> <p>a) Finalization of tool CAD models and die layout, including accurate determination of die clearances suitable for micro-scale forming.</p> <p>b) Procurement of high-strength, wear-resistant tool steels such as D2 or H13, suitable for precision microforming.</p> <p>c) Fabrication using high-precision machining processes, including micro-WEDM and CNC grinding, capable of achieving sub-micron dimensional tolerances.</p> <p>d) Submission of validation and inspection reports confirming compliance with specified tolerances and quality requirements.</p> <p>2. Technical Requirements</p> <p>The tools, dies, and associated fixtures shall comply with the following technical specifications:</p> <p>a) Base materials: Bulk tool steel grades D2 and H13 (or equivalent approved materials).</p> <p>b) Heat treatment: 40–50 HRC to ensure superior wear resistance and dimensional stability.</p> <p>c) Surface treatment (optional): Application of appropriate wear-resistant coatings (e.g., PVD or similar) to reduce wear, friction, and material adhesion during microforming.</p> <p>d) Dimensional tolerances: Punch and die components shall be manufactured within ± 0.001 mm to ± 0.005 mm, depending on feature size and design requirements.</p> <p>e) Surface finish: Forming surfaces shall achieve a micro-surface roughness of $R_a \leq 0.1-0.2$ μm.</p> <p>f) Guidance and alignment system: A high-precision guidance system shall be incorporated to maintain die clearance alignment within 1 μm during sliding operations.</p> <p>3. Deliverables</p> <p>The supplier shall deliver: Completed Tool and Die Set (fully assembled and ready for integration), Spare punches and die inserts, Trial and validation report documenting product dimensions, surface finish, and process performance, Inspection and material certification documents, Vacuum-sealed, corrosion-resistant packaging suitable for precision components</p>	1 set		

Note: (1) Quotation must be provided on the firms/company's letter pad.

(2) The items will be accepted only after quality and content checks at Department office, Mechanical Engineering.

(3) Clearly mention all the price including all applicable taxes, payment terms, delivery period, transportation cost, validity of quotation, etc.