



सरदार वल्लभभाई राष्ट्रीय प्रौद्योगिकी संस्थान, सूरत
SARDAR VALLABHBHAI NATIONAL INSTITUTE OF TECHNOLOGY,
SURAT, GUJARAT-395007.

(An Institute of National Importance, Ministry of Education, Govt. of India)

SVNIT

NOTICE INVITING TENDER AND SCHEDULE OF TENDER

The S. V. National Institute of Technology, Surat invites ONLINE bids (e-tender) under **Two bid** system from eligible supplier for the following:

Sr. No.	Name of the Item	Quantity	Validity of the bid	Delivery Period	Warranty period
1	Supply, Installation, and Training of Eddy Current Testing System with Probe and accessories (Detailed technical specifications of the items as per chapter – 8 enclosed with this notice)	01	120 Days	84 Days	1 Year Warranty
	Bid Security/EMD	The bidder has to submit EMD of Rs. 24000/- in the form of a demand draft submitted in favor of Director, SVNIT, MHRD Fund payable at Surat .			
	Performance Security	3% of the contract value valid till 60 days beyond the completion of warranty period			

Note:

1. Tender Documents with detailed terms & conditions can be downloaded from the website: <http://eprocure.gov.in/eprocure/app>
2. *The bidders are requested go through the complete Notice Inviting Tender and Tender document before submitting their bids.*
3. All the details/document pertaining to the tender such as tender document, pre-bid report (if any), corrigendum and any further updates will be available on SVNIT, Surat website and Central Public Procurement Portal.
4. Bids/Quotations may be submitted directly by the OEM or their Authorized distributors/ Dealers/Resell Agents/Channel Partners with proof of authorization.

SVNIT Surat shall not be responsible for non-receipt bid due to internet issues or any other reasons. For any issues related to tender please contact. Dr. R P Mahto Tel. +918328759995

Email: rpm@med.svnit.ac.in

Yours Sincerely,

Dr. Raju Prasad Mahto
For and on behalf of the Director, SVNIT
(The Purchaser)

CHAPTER-2

SCHEDULE OF TENDER

Sl. No.	Event	Date and Time/ Remarks
01	Commencement of Downloading of Tender Document	Refer to critical dates on tender details page on http://eprocure.gov.in/eprocure/app
02	Bid Submission Start Date	27.03.2026
03	Last date & Time of Submission of Bids Online (Technical and Financial Bid)	18.04.2026
04	Date & Time of Opening of Technical Bids	19.04.2026
05	Date of Completion of Examination of Technical Bid	To be declared on http://eprocure.gov.in/eprocure/app
06	Date & Time of Opening of Financial Bid	To be declared on http://eprocure.gov.in/eprocure/app
07	All the communications with respect to the tender shall be addressed to:	Dr. Raju Prasad Mahto Department of Mechanical Engineering Contact No.:8056025878 Email: bnsahoo@med.svnit.ac.in
08	For taking assistance, if any	CPP Portal website: www.eprocure.gov.in CPP Portal Help Desk Toll Free No.: 18002337315, 180030702232

Note:

- If the tender is not opened on the above date, due to unforeseen circumstances, then the next working day will be considered as tender opening date.

CHAPTER-7
TECHNICAL ELIGIBILITY CRITERIA

Sr. No	Details	Compliance Yes/No	Deviations/Remarks, if any
1	The Bidder should be OEM/Authorized Distributors/Dealers etc. and should have existence of firm for a minimum period of 3 Years. (Certificate of Incorporation/ Registration/ Authorization by OEM should be attached)		
2	Bidder Acceptance of Tender Document as per Annexure-1 attached.		
3	Bidder should submit the EMD of Rs. 24000/- with technical bid (Refer chapter 5 clause No. 04 of tender document for details) and MSE bidder should submit the Security Declaration Certificate as per Annexure-3		
4	List of other Govt. Departments, Public Sector units and Central Autonomous Bodies/Centrally Funded Technical Institute for which the bidder has supplied material or having the similar type of contracts and submit the certificates regarding the satisfactory performance of the contract. (Duly filled Annexure-4 along with Purchase order and invoices copies / satisfactory performance certificates should be attached)		
5	The average annual financial turnover of 'The bidder' during the last three years ending on 31st March of the previous financial year, should be at Rs. 10 Lakhs as per the annual report (audited balance sheet and profit & loss account) of the relevant period, duly authenticated by a Chartered Accountant/Cost Accountant in India or equivalent in relevant countries. (Duly certified by the valid Chartered Accountant as per the Annexure-5 must be enclosed with the technical bid)		
6	WORK EXPERIENCE: The Vendors / Bidders should have work experience as per following parameters. Supportive documents like copy of P.O. completion certificate etc. should be uploaded in this regard. (i) Three similar completed works costing not less than Rs.4.8 Lakhs in last 3 (three) years for any Govt./Semi Govt./ autonomous organizations where they have completed the similar works. OR (ii) Two similar completed work costing not less than Rs. 7.2 Lakhs in last 3 (three) for any Govt./Semi Govt./ autonomous organizations where they have completed the similar works. OR (iii) One similar completed work costing not less than Rs. 9.6 Lakhs in last 3 (three) years for any		

	Govt./Semi Govt./autonomous organizations where they have completed the similar works.		
7	Delivery Period: The material should be delivered within 84 days from the date of receiving the purchase order.		
8	Warranty: 1 year from the date of Installation and commissioning of the item.		
9	Training: Training should be imparted to two officials of the Institute for 2 day at purchaser's premise		
10	Whether firm is MSEs Unit: If YES, then please Specify the category of ownership: SC/ST or Women: (Please Submit the Documentary Evidence for UAM and ownership details.)		
11	Whether firm is Local Supplier as per Make in India Order: (Please Submit the Documentary Evidence for Local Content issued by OEM as per Annexure-9)		
12	Whether the goods offered are from a country which shares a land border with India If Yes, the details of Registration with Department of Promotion of Industry & Internal Trade (DPIIT), Government of India.		

Notes:

1. Make/Model of all items should be clearly mentioned in your bid.
2. Latest & Valid Authorization Certificate from manufacturer should be enclosed along with your offer.
3. The overall lowest and technically qualified bid only will be considered for placement of purchase order
4. In the event of a work order, Performance Security @3% of the work order value is to be submitted
5. Training should be imparted to two officials of the Institute for 2 day at purchaser's premise.
6. Bidder should submit the **EMD of Rs. 24000/-** with technical bid (Refer chapter 5 clause No. 04 of tender document for details) and MSE bidder should submit the Security Declaration Certificate as per **Annexure-3**

Bids not complying to the above technical eligibility criteria and non-submitting the required documents are liable to be rejected.

CHAPTER-8
TECHNICAL SPECIFICATIONS

SVNIT Specifications

1. The equipment should be capable of Eddy Current flaw detection like surface and sub-surface cracks in the conductive metals.
2. Portable and weight should be less than 2 kg
3. **Compliance standards:** - EN-15548, CE, WEEE, FCC (USA), IC (Canada), RoHS (China), RCM (Australia and New Zealand)
4. **Frequency range of the eddy current equipment:** 10 Hz to 12 MHz
5. **Gain:** 0 dB to 100 dB in 0.1 or 1 dB increments
6. **Rotation:** 0° to 359.9° in 0.1° or 1° increments.
7. **Sweep:** Variable from 0.005 s to 10 s per division (total of 13.3 divisions with FINE grid).
8. **Filters:** Low-pass: 10 Hz to 2000 Hz and wide band. High-pass: off or 5 Hz to 1000 Hz, user-selectable in constant “figure 6” or “figure 8” filter type. Continuous null (low-frequency HP filter): 0.2 Hz, 0.5 Hz, 1.0 Hz.
9. **Probe drive:** LOW, MEDIUM, and HIGH (2 V, 5 V, 8 V).
10. **Display erase, persistence:** Display erase (0.1 s to 60 s), persistence (0.1 s to 10 s)
11. **Displays:** single impedance plane, dual impedance plane, sweep (strip chart), split screen (sweep + impedance).
 - a. Waterfall, all-in-one display featuring up to 3 configurable traces.
12. Signal Calibration in Freeze Mode
13. 6 kHz measurement rate
14. **Alarm types:** 3 simultaneous alarms. Choices include BOX (rectangle), POLAR (circle), SECTOR (pie), SWEEP (time-based), CONDUCTIVITY, and COATING THICKNESS.
15. **Input and Outputs:** One USB 2.0 peripheral port, one standard VGA analog output port, one 15-pin I/O port (male) with 6 analog outputs, 3 alarm outputs.
16. **Operating temperature:** -10 °C to 50 °C
17. **Protection:** Water and dust proof and should be designed to meet requirements of Ingress Protection rating - IP66.
18. **Battery type:** Single lithium-ion rechargeable battery or optional AA-size alkaline batteries (in 8-cell holder).
19. **Battery life:** Up to 10 hours for standard operation
20. **Display size:** More than 5.5 inches
21. **Display type:** Full VGA (640 × 480 pixels) color LCD (liquid crystal display)
22. Color schemes: 8 color schemes
23. **Connectivity with PC:** PC software should be included in base kit. The software should allow

viewing saved files and printing reports.

24. **Data storage:** 500 traces of max featuring user-selectable on-board preview or better.
25. **Special features:** Application Selection menu for easy and rapid configuration.
26. Automatic lift-off key.
27. Exporting inspection data in formats such as CSV, PDF, image files.
28. **Probes and Calibration Accessories:** Standard Eddy Current Probes: Absolute or differential probes suitable for surface crack detection, Probe cable length minimum 1.5 m.
29. **Calibration Standards:** Suitable reference calibration blocks, Artificial defects/notches for calibration, Conductive materials such as aluminum or stainless steel.
30. **Warranty and Support:** Minimum 12 months' warranty from the date of installation., Supplier shall ensure availability of spare parts and technical support for at least 5 years.

Optional

31. **Conductivity Measurement Frequency:** 60 kHz or 480 kHz
32. **Digital conductivity specification:** Digital conductivity display from 0.9% to 110% IACS or 0.5 to 64 MS/m. Accuracy within $\pm 0.5\%$ IACS from 0.9% to 62% IACS or better and within $\pm 1.0\%$ of values over 62%. Meets or exceeds BAC 5651 specifications.
33. **Scanners compatibility:** Operates scanners (MiniMite, SpitFire, RA- 2000, and PS-5) and other major supplier scanners, from 120 RPM to 3,000 RPM.
34. Frequency adjustment dual frequency mode: Two fully independent frequencies, operating in simultaneous injection.
35. **MIX options in dual frequency:** F1 - F2, F1 + F2, and automatic true mixing

Bidder Section Criteria:

The bidder must have supplied similar equipment to at least 2 Abroad or Govt. Institutes such as IIT's/NIT's or any other government research / educational institutions. Copies of PO must be enclosed along with the bid.

ANNEXURE – 11
TECHNICAL COMPLIANCE SHEET

The technical compliance bid must be in this sheet only, otherwise should be assumed that bidder is not able to offer technically desired product. Information provided elsewhere or in different form will not be considered.

1. Appropriate Columns of this sheet should be compulsorily filled by the bidder, merely asking the office to refer catalogue or brochure will not be entertained.
2. The bidder shall assume full responsibility of the information provided in this sheet. Any false statement should render the breach of basic foundation of the tender.

SVNIT Specifications	Offered Specification	Any deviation from specification
<ol style="list-style-type: none"> 1. The equipment should be capable of Eddy Current flaw detection like surface and sub-surface cracks in the conductive metals. 2. Portable and weight should be less than 2 kg 3. Compliance standards: - EN-15548, CE, WEEE, FCC (USA), IC (Canada), RoHS (China), RCM (Australia and New Zealand) 4. Frequency range of the eddy current equipment: 10 Hz to 12 MHz 5. Gain: 0 dB to 100 dB in 0.1 or 1 dB increments 6. Rotation: 0° to 359.9° in 0.1° or 1° increments. 7. Sweep: Variable from 0.005 s to 10 s per division (total of 13.3 divisions with FINE grid). 8. Filters: Low-pass: 10 Hz to 2000 Hz and wide band. High-pass: off or 5 Hz to 1000 Hz, user-selectable in constant “figure 6” or “figure 8” filter type. Continuous null (low-frequency HP filter): 0.2 Hz, 0.5 Hz, 1.0 Hz. 9. Probe drive: LOW, MEDIUM, and HIGH (2 V, 5 V, 8 V). 10. Display erase, persistence: Display erase (0.1 s to 60 s), persistence (0.1 s to 10 s) 11. Displays: single impedance plane, dual impedance plane, sweep (strip chart), split screen (sweep + impedance). <ol style="list-style-type: none"> a. Waterfall, all-in-one display featuring up to 3 configurable traces. 12. Signal Calibration in Freeze Mode 13. 6 kHz measurement rate 14. Alarm types: 3 simultaneous alarms. Choices include BOX 		

(rectangle), POLAR (circle), SECTOR (pie), SWEEP (time-based), CONDUCTIVITY, and COATING THICKNESS.

15. **Input and Outputs:** One USB 2.0 peripheral port, one standard VGA analog output port, one 15-pin I/O port (male) with 6 analog outputs, 3 alarm outputs.
16. **Operating temperature:** -10 °C to 50 °C
17. **Protection:** Water and dust proof and should be designed to meet requirements of Ingress Protection rating - IP66.
18. **Battery type:** Single lithium-ion rechargeable battery or optional AA-size alkaline batteries (in 8-cell holder).
19. **Battery life:** Up to 10 hours for standard operation
20. **Display size:** More than 5.5 inches
21. **Display type:** Full VGA (640 × 480 pixels) color LCD (liquid crystal display)
22. Color schemes: 8 color schemes
23. **Connectivity with PC:** PC software should be included in base kit. The software should allow viewing saved files and printing reports.
24. **Data storage:** 500 traces of max featuring user-selectable on-board preview or better.
25. **Special features:** Application Selection menu for easy and rapid configuration.
26. Automatic lift-off key.
27. Exporting inspection data in formats such as CSV, PDF, image files.
28. **Probes and Calibration Accessories:** Standard Eddy Current Probes: Absolute or differential probes suitable for surface crack detection, Probe cable length minimum 1.5 m.
29. **Calibration Standards:** Suitable reference calibration blocks, Artificial defects/notches for calibration, Conductive materials such as aluminum or stainless steel.
30. **Warranty and Support:** Minimum 12 months' warranty from the date of installation., Supplier shall ensure availability of spare parts and technical support for at least 5 years.

Optional

31. **Conductivity Measurement Frequency:** 60 kHz or 480 kHz
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33. **Scanners compatibility:** Operates scanners (MiniMite,

<p>SpitFire, RA- 2000, and PS-5) and other major supplier scanners, from 120 RPM to 3,000 RPM.</p> <p>34. Frequency adjustment dual frequency mode: Two fully independent frequencies, operating in simultaneous injection.</p> <p>35. MIX options in dual frequency: F1 - F2, F1 + F2, and automatic true mixing</p>		

Note: Bidder should submit the Technical Specifications Compliance sheet with the technical Bid.

LIST OF DOCUMENTS TO BE UPLOADED WITH TECHNICAL BID

Sr. No.	Documents
1	Copy of OEM Authorization certificate/Registration Certificate
2	Copy of Tender Acceptance Letter as per Annexure-1
3	Scan Copy of Demand Draft of EMD Copy of Bid Security Declaration Certificate as per Annexure-3
4	Copy of Past Experience as per Annexure-4 , and Satisfactory performance certificates.
5	Copy of Duly filled Technical Eligibility criteria as per Chapter-7
6	Copy of Average Annual turnover for last 3 years as per Annexure-5
7	Technical Compliance Sheet as per Annexure-11