

Ref. No.: NITANP/SMMD/TENDER/2024-25/25

DATE: 28.06.2024

NOTICE INVITING TENDERS

(Box Tenders/Open Tenders)

**(FOR SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF MULTI CAPABILITY
TRIBOMETER WITH CORROSION MODULE AT NIT ANDHRA PRADESH, TADEPALLIGUDEM)**



National Institute of Technology- Andhra Pradesh,
Near National Highway 16, Kadakatla, Tadepalligudem-534101,
West Godavari District, Andhra Pradesh.

Proprietary & Confidential:

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Tender Notice:



NIT Andhra Pradesh, Tadepalligudem

Ref No: NITANP/SMMD/TENDER/2024-25/25

Date: 28.06.2024

Box Tenders/Open Tenders are hereby invited from reputed registered Firms/ /Agencies/Bidders/Suppliers for providing the following services at NIT-Andhra Pradesh, Tadepalligudem, West Godavari district.

“Tender FOR SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF MULTI CAPABILITY TRIBOMETER WITH CORROSION MODULE AT NIT ANDHRA PRADESH, TADEPALLIGUDEM”

Addressed to:

Tender Box

**Material Management Disposal Section,
Sardar Vallabhbai Patel Administrative Vista Building,
NIT Andhra Pradesh, Kadakatla, Near NH-16
Tadepalligudem-534101, West Godavari District, Andhra Pradesh**

The above **Tender name and Ref. No. should be Super-Scribed** in the Main Envelope containing the bid documents.

Tender Schedules can be downloaded from NIT-Andhra Pradesh website from **28.06.2024** onwards. Bidders need to submit hard copy with relevant documents with self - attestation.

The last date for submission of tenders is 22.07.2024 up to 03:00PM.

For further details regarding Tender notification & specifications, please visit www.nitandhra.ac.in/main/tender.

Date: 28.06.2024.

**NIT Andhra Pradesh,
Tadepalligudem.**

Time Schedule of various tender related events

(“For Supply, Installation, Testing and Commissioning of Multi Capability Tribometer with Corrosion Module at NIT Andhra Pradesh, Tadepalligudem”)

Bid Document downloading Start date	28.06.2024 at 05:00PM
Bid Document downloading End Date/ Time	21.07.2024 at 05:00 PM
Prebid meeting	08.07.2024 at 03.30 pm
Last Date and Time for the receipt of Bids	22.07.2024 Up to 03:00 pm
Technical Bid Opening Date /Time	22.07.2024 at 03:30 pm
Financial Bid Opening Date/Time	Will be intimated later
Contact Person	The HOD Metallurgical & Materials Engineering, NIT Andhra Pradesh, Tadepalligudem. hod_mme@nitandhra.ac.in
Reference No:	NITANP/SMMMD/TENDER/2024-25/25 Date:28.06.2024

Signature of the Bidder with stamp

CLARIFICATIONS

Queries, if any, can be made through e-mail only to hod_mme@nitandhra.ac.in, and CC to purchase@nitandhra.ac.in on or before **08.07.2024**. Queries received via any mode other than e-mail id mentioned above shall not be entertained. The queries should only be sent in the following form at on the official letter head of the company.

S. No.	Page No. (Tender Ref.)	Clause (Tender Ref.)	Description (Tender Ref.)	Query

If there is any addendum/corrigendum related to tenders, it shall only be published on NIT Andhra Pradesh website (www.nitandhra.ac.in) and <https://eprocure.gov.in/epublish/app>. The Bidders are advised to check NIT Andhra Pradesh website and Central Public procurement portal regularly. No other mode of notice will be given.

The Bidders are requested to submit the bids after issue of clarifications duly considering the changes made, if any. Bidders are totally responsible for incorporating/complying the changes/amendments issued, if any, during pre-bid meeting in their bid.

If the last date of receiving/opening of the bids coincides with a holiday, then the next working day shall be the receiving/opening date.

The Technical Bid along with relevant documents should be attached with original EMD and Tender processing fee. Physical submission of Price bid only shall be considered.

**Associate Dean, SMMD
NIT ANDHRA PRADESH**

For any clarification and further details on the above tender, please contact.

For Technical queries Email: hod_mme@nitandhra.ac.in

For Non-Technical queries Email: purchase@nitandhra.ac.in

BID

Ref No.: NITANP/SMMD/TENDER/2024-25/25

Dated: 28.06.2024

Subject: Tender “For Supply, Installation, Testing and Commissioning of Multi Capability Tribometer with Corrosion Module at NIT Andhra Pradesh, Tadepalligudem”.

Sir/Madam,

Bids are invited on the Box/Open Tender platform from the reputed Registered Firms Agencies/Contractors/Suppliers from the experienced premises of Corrosion Engineering Laboratory equipment Supply, Installation, Testing and commissioning business. The details of bidding conditions and other terms can be downloaded from the NIT Andhra Pradesh Website.

The attested copies of all the documents of technical bid, signed undertaking of Bidder should be submitted offline mode only to the Director, NIT Andhra Pradesh, Tadepalligudem, on or before opening of bid.

The participating Bidder/s shall have to pay tender processing fee (non-refundable) and EMD for the amounts specified in the Statement related to bids, in the form of DD drawn in favor of the Director, NIT Andhra Pradesh, Tadepalligudem.

Further, the Successful Bidder shall furnish a part of a bid as Performance Guarantee specified in the Statement related to bids, to be paid in the form of BG as mentioned in the Tender Schedule.

NIT Andhra Pradesh, Tadepalligudem, will not accept the tenders from blacklisted companies or undependable suppliers, whose past performance with NIT Andhra Pradesh was found poor due to delayed and/or erratic supplies and those with frequent product failures, and also against whom there have been adverse reports of sub-standard quality/poor services, as defined in the other parts of the bidding documents.

For any clarification and further details of the above tender, please contact.

For Technical queries Email: hod_mme@nitandhra.ac.in

For Non-Technical queries Email: purchase@nitandhra.ac.in

Signature of the Bidder with stamp

STATEMENT RELATED TO BIDS

Bid Document Fee/Tender processing Fee (Non-refundable)	Rs. 1,000/- by way of RTGS/NEFT from any Nationalized bank drawn in favor of the Director NIT Andhra Pradesh, Payable at Tadepalligudem. Account Name: Director NIT Andhra Pradesh A/C No: 35579546371 IFSC Code: SBIN0016305 Submit for evidence of payment Receipt.
EMD	Rs. 1,20,000/- by way of DD from any Nationalized Bank drawn in favor of the Director NIT Andhra Pradesh, Payable at Tadepalligudem. Bidders registered with NSIC, MSMEs etc. will be exempted from EMD payment. Subjected to documentary evidence.
Bid Validity Period	90 days from the date of opening of Financial bid
EMD Validity Period	120 days from the date of opening of Financial bid
Estimated Contract Value	Rs. 40,00,000/- (Rupees Forty lakhs only)
Period of furnishing Performance Guarantee	Within 7 days from date of receipt of LOA
Performance Guarantee Value	5% on the purchase order value (in the form of BG)
Performance Guarantee Validity Period	One year from the date of Installation
Period for signing the order of acceptance	Within 7 days from date of receipt of LOA

Signature of the Bidder with stamp

TENDER SCHEDULE

PREMEABLE:

National Institute of Technology, Andhra Pradesh, is the 31st NIT among the chain of NITs started by the Government of India. NIT Andhra Pradesh is established in the state of Andhra Pradesh in the academic year 2015–2016.

SUBJECT:

Notice inviting Tenders for “For Supply, Installation, Testing and Commissioning of Multi Capability Tribometer with Corrosion Module at NIT Andhra Pradesh, Tadepalligudem”.

TENDER DETAILS:

1. OVERVIEW:

- a. NIT Andhra Pradesh is desirous of inviting tenders for the said purpose subjected above.
- b. Bids are invited from eligible Bidders directly based on the eligibility criteria and general terms and conditions mentioned below. Interested Bidders may download the copy of the document(s) from website, i.e. www.nitandhra.ac.in/main/tender.
- c. Interested Bidders are required to pay a **Tender processing fee** of **Rs. 1,000/-** (Rupees One Thousand only) and **Earnest Money Deposit (EMD)** of **Rs. 1,20,000/-** (Rupees One Lakh Twenty Thousand only) as prescribed in the Statement related to bids.
- d. Tender processing fee and EMD must be attached to the Technical Bid only and **NOT** to the Financial Bid.
- e. Bids received without EMD and Tender processing fee shall be summarily rejected.
- f. The Successful Bidder shall furnish a Performance Guarantee of an amount equivalent to 5% on purchase order value, in the form of bank guarantee from any Nationalized bank. Also, the Bank Guarantee shall be returned only after completion of warranty period and a satisfactory report obtained from Competent authority of NIT Andhra Pradesh.
- g. EMD of Bidder shall be forfeited, if the Bidder withdraws or amends its bid or impairs or derogated from the bid in any respect within the period of validity of its bid. Further, if the successful Bidder fails to furnish the Performance Guarantee within the specified period, his EMD shall be forfeited.
- h. In case the Bidders/Successful Bidder(s) are found in breach of any condition(s) at any stage of the tender, EMD/Performance Guarantee shall be forfeited.
- i. EMD will be returned to both Successful and Unsuccessful Bidders without any interest whatsoever, after allotment of Letter of Award.
- j. The return of EMD to the contractor (successful Bidder) shall be released only after the receipt of Performance Guarantee.

2. TERMINOLOGY:

Definitions–Through out this Tender Document, unless in consistent with the subject matter or context:

- a. **Supplier/ Contractor/ Vendor** –Selected Bidder under this Tender Document.
- b. **Company/ Purchaser/ NIT Andhra Pradesh** - Reference to the “NIT Andhra Pradesh”, “Company” and “Purchaser” shall be determined in same context and referred as “NIT Andhra Pradesh, Tadepalligudem”.
- c. **Proposal/ Bid** –the Bidder’s written reply or submission in response to this Tender Document
- d. **Tender Document** –the request for proposal in its entirety, inclusive of any add end a that may be issued by NIT Andhra Pradesh, Tadepalligudem.

3. ELIGIBILITY CRITERIA:

The following eligibility criteria are required to be fulfilled by the tenderer (Scanned copies of the following documents to be attached):

- i. The bidder should have a valid GST Certificate.
- ii. The bidder must have a valid PAN Card, which should be reflected in all financial statements.
- iii. The average annual turnover of FY 2020-21, 2021-22 and 2022-23 should be at least 20 lakhs issued by CA with UDIN Number.
- iv. The bidder should submit audited financial statements (balance sheets) for the FY 2020-21, 2021-22 & 2022-23 along with relevant income tax returns for the concerned years i.e., AY 2021-22, 2022-23 and 2023-24.
- v. OEM/Manufacturer’s Authorization Certificate/ Proprietary Article Certificate, as applicable: The bidder(s) must furnish the Manufacturer’s Authorization Certificate / Proprietary Article Certificate. The bidder must have an after-sales service and training center in the Southern Region of India.
- vi. The bidders should be CE/ISO certified or certified by equivalent quality standards and necessary copy of ISO/equivalent certificates is to be enclosed.
- vii. The bidder(s) must have installed and commissioned at least 03 instruments with identical specifications/or as per the tender specifications supplied to IITs, /NITs, Govt. R&D/PSUs during the period of 01-04-2020 to 31-03-2023. To support their claims, the bidder should produce backup documents like purchase orders, work commissioning, and satisfactory certificates for the above-mentioned work
- viii. All the payments received against the claim of purchase orders at Clauses (vii) above should be reflected in Form 26AS. Else the purchase order is treated as invalid.
- ix. Each page of the tender document, along with all other submitted documents, must be duly signed by the Authorized signatory with the Bidder’s signature and seal.

METHOD OF SUBMISSION OF BIDS:

1. The bid documents can be downloaded from the Institute website <https://www.nitandhra.ac.in/main/tender> and CPP portal <https://eprocure.gov.in/epublish/app>.
2. The bids should be filled in two bid formats with all the required documents as enclosures in separate sealed covers i.e., (a) Part-I Technical bid, (b) Part-II Financial bid

Two separate sealed covers should be specifically super-scribed as (a) **“Technical bid For Supply, Installation, Testing and Commissioning of Multi Capability Tribometer with Corrosion Module at NIT Andhra Pradesh, Tadepalligudem”** and (b) **“Financial bid For Supply, Installation, Testing and Commissioning of Multi Capability Tribometer with Corrosion Module at NIT Andhra Pradesh, Tadepalligudem”**.

3. Both the sealed envelopes (a) and (b) are to be kept in another Master envelope, which should also be sealed and submitted.

The Master envelope should be super-scribed with **“Tender for Recommissioning and Construction of Tubewells at NIT Andhra Pradesh Campus”** and shall be addressed to

The Tender Box,

**Material Management & Disposal Section,
Sardar Vallabhbhai Patel Administrative Vista Building,
NIT Andhra Pradesh, Kadakatla, Near NH-16**

Tadepalligudem-534101, West Godavari District, Andhra Pradesh.

4. Last date for submission of bid documents is 22.07.2024 up to 03:00PM.
5. Bids received after the due date and time shall be summarily rejected.
6. Incomplete bids or bids not submitted in prescribed format are liable for rejection.
7. Institute will not be responsible for Postal delay.

Name and Signature of bidder with seal

4. EVALUATION PROCEDURE:

- At the first stage, the Technical Bids shall be opened in the presence of Bidders, who may like to be present on **22.07.2024 at 03.30 p.m** in Room No. 005, **Sardar Vallabhbhai Patel Central Administrative Vista**, National Institute of Technology Andhra Pradesh, Near National Highway 16, Kadakatla, Tadepalligudem-534102, West Godavari District, Andhra Pradesh.
- A Committee duly constituted by the Competent Authority would evaluate the Technical bids submitted by the Bidders.
- Prior to detailed evaluation, the Institute will determine the substantial responsiveness of each bid to the tender document. A substantially responsive bid is one which conforms to all the terms and conditions of the bidding/tender document and is without any material defects and deviations. Deviations from, or objections or reservations to critical provisions such as those concerning qualification/eligibility criteria, availability of facilities and amenities as needed, availability of government/statutory approvals and clearances, ready and explicit willingness to accept and honour the terms and conditions of contract etc. will be deemed to be material deviations.
- If a bid is not substantially responsive, it will be rejected by the Institute and may not subsequently be made responsive by the Bidder by correction of the non-conformity.
- Only those Bidders whose technical bids have been found to be substantially responsive would be evaluated.
- The Financial bids of those Bidders only shall be opened who qualified in the Technical Evaluation. The Institute will award the contract to the Successful Bidder, whose Financial bid is the lowest price bid among all the quoted bids. The decision of the Director, NIT Andhra Pradesh, Tadepalligudem, is final in this regard.
- Tenders with revised/modified rates/offer after opening of the tenders shall be summarily rejected and the entire Earnest Money Deposit (EMD) submitted with the tender shall be forfeited
- The tender is not transferable under any circumstances.
- Telegraphic, conditional or incomplete tenders shall not be accepted. Canvassing of any kind, direct or indirect, shall lead to disqualification of the Bidder.
- Institute reserves the right to reject any or all the tenders at any stage or accept them in part or reject the lowest tender without assigning any reason thereof and the decision of the Institute in this respect shall be final.
- The Institute reserves the right to cancel the tender process at any stage without assigning any reason.

I / we accept all the terms and conditions of the tender notice.

Date:

Place:

Name and Signature of Bidder with Seal

6. GENERAL TERMS & CONDITIONS:

1. The Bidders, who do not meet the eligibility criteria; or do not submit all the necessary documents in support of the eligibility criteria; or do not submit documents that are complete and valid - shall be disqualified.
2. In the event of increase in the taxes and levies implemented by the Government(s) during the contract period, the same shall be paid by Bidder.
3. Validity of prices quoted in financial bids: The validity of prices quoted in the financial bid by the Bidders is for a period of 90 days from the date of opening of the financial bid.
4. NIT Andhra Pradesh, Tadepalligudem, shall correspond only with the technically Qualified Bidders.
5. Irrespective of the offers received or their competitiveness, the final decision on choosing a Bidder, will vest entirely with the NIT Andhra Pradesh, Tadepalligudem.
6. The Bidder is expected to examine all instructions, terms and specifications in the tender document. Failure to furnish all information required or to submit a bid not substantially responsive to the tender document in every respect will be at the Bidder's risk and may result in the rejection of the bid.
7. "Bidder must ensure to quote rate of one item. If any cell is left blank and no rate is quoted by the Bidder, rate of such item shall be treated as "0" (ZERO). However, if a tenderer quotes nil rates against each item in item rate tender or does not quote any percentage above/below on the total amount of the tender or any section/sub head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer".
8. Joint Ventures shall not be accepted.
9. The bidder can be disqualified under circumstance failing to meet the above criteria.
10. If any stage, it is found that any of the details/documents furnished by the Bidder is false/misleading/fabricated, his/her/its bid would be liable for cancellation without intimation to the Bidder.

Signature of the Bidder with stamp

7. SCOPE OF SUPPLY:

For Supply, Installation, Testing and Commissioning of Multi Capability Tribometer with Corrosion Module at NIT Andhra Pradesh, Tadepalligudem.

8. Technical Specification:

Description:

Supply of compact benchtop tribometer that is upgradeable and modular. It must be capable of executing test protocols using an ultra-stable dead-weight loading module that can be upgraded to a high-precision automated loading module. The system should be engineered to have a stiff, durable frame with an open architecture to allow different motion modules and other accessories (temperature, environment) to be configurable on a single platform. The system should be a rotary module that is easily interchangeable, allowing for an easy upgrade to a linear reciprocation module in the future. **The system must be able to offer onsite upgradation to modules like high temperature, angular oscillation, angular scratch, environmental modules (lubrication, tribo-corrosion, humidity, and alike.), automated load, etc. and sensors (such as ECR, vibration, noise, and alike.) post purchase.** The instrument operation must be controlled using the software. The tribometer should comply with applicable **ASTM** and **DIN** standards by choosing appropriate modules. Tribometer should offer connected sensors and digital productivity tools complying with industry 4.0 standards to make it a more capable system.

Base Unit:

- a) Standard load: 2N to 200N wide range with calibrated weights.
- b) Loading Type: ultra-stable dead weight loading that can be inter changed and upgraded to high precision manual loading module on the same platform.
- c) Max. Friction force: ± 100 N using a monolithic friction arm with embedded sensors for high-accuracy friction force measurements. Dual friction force sensors must be used to compensate for thermal drifts.
- d) Friction force resolution: 100mN or better. Friction force should be accurate to 1% or better.
- e) Linear wear sensor: ± 2000 micron, with a resolution of $1\mu\text{m}$ should be provided for compound wear of disc and pin analysis.
- f) Wear track diameter: 10 to 45 mm. Automatic adjustment for precise positioning of top pin/ball specimen on bottom disc.
- g) Sensor for measuring Ambient humidity and temperature to auto logging for each test
- h) The system must use fully decoupled and separate friction force sensors and normal load sensors to eliminate sensor crosstalk mechanically.
- i) The base unit should be a rotary module with following:
 - o Torque: not less than 2 NM
 - o Rotation Speed: 1 to 2000rpm
 - o Capable of rotating in both directions
 - o It should be allowing switching to linear reciprocation on the same platform in the future. Evidence should be submitted with an offer.
- j) **Electrochemical workstation for Tribo-corrosion:** Electrode connections and ASTM G59 compliant electrochemical workstation for Corrosion Current Measurements (I_{corr}). The corrosion software shall calculate corrosion rate, impedance fitting with equivalent circuit estimation and calculations. Should have data acquisition capacity for OCP measurements for at least 24 hours., Electrodes: 4 electrodes (WE, CE, S and RE) mode, Maximum current ± 100 mA, Applied potential range: ± 10 V with $80\mu\text{V}$ resolution, current ranges: ± 100 pA to 100 mA in 10 ranges, Current resolution: 0.003 % of current

range, current accuracy: 0.2%, potential accuracy: 0.2% or 2mV, Bandwidth:5MHz, Impedance frequency range: 10 μ Hz to 250KHz, Amplitude: 0.15 mV to 2 V, Ag/ AgCl reference electrodes:2 No, Platinum mesh/Wire: Platinum counter electrode: 5 cm wire diameter 0.5mm and OD 6mm, Platinum gauge electrode: 80 mesh (active area 25mmx35mm).

- k) **Lubricant sump system:** A spill-resistant reservoir (sump) for storing lubricant and then deliver to critical components to ensure consistent lubrication during testing.

Reference samples

- AISI52100 steel balls of \varnothing 6&10mm–5No each
- Brass &EN8 pins of \varnothing 6&10mm with15mm length –5No of each
- EN31disc size of \varnothing 60 mm and8 mm thickness–2Nos

Sample Holders

Top holders to accommodate

- Ball samples of \varnothing 6mm & 10mm
- Pin samples of \varnothing 6mm &10mm, and15mm length
- Corrosion-resistant pin and ball holder Dia 6 and 10mm with provision to accommodate electrodes.

Rotary bottom sample holder to accommodate

- Disc of diameter up to 60mm, thickness of 8mm
- ASTMG99 disc (thrust washer) holder (Optional).
- Universal sample holder to accommodate square/ circular samples of size 20 to 60 mm for ambient tests (Optional).
- Anti-spill corrosion-resistant disc holder of diameter 30mm and thickness 8mm with provision to accommodate electrodes.

Functional modules- Should have provision to upgrade in the future

- a) Ultra-low speed drive: The instrument must offer an ultra-low speed module to enable users to operate from 0.1 rpm onwards.
- b) Software must enable users to generate Stribeck curves.
 - Through time-dependent exponential speed decay
 - Through step-speed profiles (programmable) for a defined duration in the form of tables up to 20 steps
- c) Spiral wear track: Programmed to dynamically adjust the pin and disc motion top precisely achieve spiral wear track while maintaining the constant sliding speed.
- d) Lubricant sump system: A spill-resistant reservoir (sump) for storing lubricant and then deliver to critical components to ensure consistent lubrication during testing.
- e) A grease scoop to apply a controlled amount of grease or lubricant to the interface between the test specimens.
- f) A grease coop with an integrated heating element to apply a controlled amount of grease at the interface between the test specimens from ambient to 80 °C.

Software and DAQ interface

- a) Perpetual Windows-based licensed software to control test parameters and acquire test data.
- b) For each test, software must of ferial-time display and acquisition of frictional force, coefficient of friction, wear, etc.
- c) Software must have provision to store test information like normal load, duration, wear track diameter, and speed for future reference and analysis. Software must store the test data in ASCII format to be exported able to third-party software (like MS Excel, Origin, etc.) for further analysis.

- d) Software must have a post-analysis feature for offline comparison of multiple test data and plot any acquired parameter as a function of another.
- e) The software packages should include contact pressure calculations on these select samples.
- f) Automatic report generator
- g) Safety interlocks to always ensure safe operations within the manufacturer's permissible maximum limits must be provided.
- h) Instrument software must have the following features for future upgradation.
 - i. These of ware should offer centralized cloud-based data storage that assures data traceability and security.
 - ii. **Cloud-based analytics should offer instant statistical reports of big data (hundreds of tests) at the click of a button.**
 - iii. It should allow users to visualize real-time data during a test from anywhere in the world on the desktop and mobile App.
 - iv. It should offer real-time health monitoring and prognostics capability to track instrument usage, minimizing unplanned downtime to ensure maximum instrument availability.
 - v. Machine learning-assisted ball wear scar analysis.

Technical Evaluation Criteria:

- a) **Repeatability of friction at ambient and 1000 °C should be established per OEM (original equipment manufacturer) standard test protocols using supplied reference materials. The friction data should be within 20% as per the OEM standard material database. The same should be demonstrated during installation and training.**
- b) A detailed ASTM G99 test report establishing the precision of friction and wear for the reference materials must be submitted with the bid.
- c) The technical specification should include a system overview with a schematic diagram of the equipment and its components.
- d) The data analytics software and continuous instrument monitoring on desktop and Mobile Apps should be validated. The required documentation, screenshots, or manual should be submitted with the offer.
- e) The data sheet must contain complete details of features, including actual pictures, as per the tender requirements. It is important to indicate the page number for each feature and optional module while submitting the technical bid. Marking "fully compliant" without a detailed description of how the safe is achieved will result in technical disqualification.
- f) **The bidder should submit a scientific publication set in high temperatures $\geq 900^{\circ}\text{C}$.**
- g) **The bidder should submit the necessary tribo-corrosion test data and reports with the offer. detailed calibration reports of relevant sensors should be submitted.**
- h) **During the evaluation stage, the bidder shall arrange the demo as required.**
- i) **The institute retains the right to request a demonstration of the instrument as outlined in the tender specifications during the technical evaluation, either in person or online, if needed. The institute will inform the bidder(s) of a suitable date and time for the demonstration. If the bidder(s) fails to demonstrate all the features stated in the tender compliance, the committee reserves the right to disqualify their technical bid.**

Installation and training

- a) An expert from OEM and/or any OEM Certified Trained expert should provide training for all the mentioned to establish the performance of the system by conducting appropriate test runs.
 - 1. The training would be imparted for performing tests to differentiate lubricating products within the standard scope of supply.

9. SUPPLY AND PAYMENT SCHEDULE:

Phase of Supply	Duration	Quantity to be supplied (in nos.)	Payment Schedule
I	120days from the date of Purchase order	Total Quantity as per Purchase Order	After Completion of Supply, Installation, Testing and Commissioning

Note:

- The amount shall be released only after submitting installation reports, manuals, manufacturer warranty cards, etc., to the institute.
- TDS and other taxes/duties will be deductible as applicable as per Government of India rules.

Delivery Period:The contractor should supply the Multi Capability Tribometer with Corrosion Module equipment within 120 days from the date of issue of Purchase order.

Warranty period:Warranty period of 01 years (Bidder will have to quote all prices with 1-year warranty) will start from the date of installation and satisfactory commissioning and acceptance. Any defects or other faults which may appear with in defect liability/warranty period of 1 years from the satisfactory working conditions or date of satisfactory report of the institute level final inspection committee whichever is later, arising in the Corrosion Engineering Laboratory due to material or workmanship should be corrected and replaced/repaired with the parts of original specifications and makes by contractor at his own cost.

PENALTY FOR DELAYED SUPPLY AND INSTALLATION:

Time is the essence of the contract and the supplier shall pay or allow the institute to realize the sum equivalent to 01 (one) percent of the total order value per week, subject to a maximum limit of 10% of the order value, as agreed compensation for delay for the period during which the supply and installation shall remain incomplete beyond the offered time of completion/ execution or beyond the time duly extended in writing by the institute. The institute may deduct such damages from any money due to the supplier

ADVANCE PAYMENT:NIT Andhra Pradesh, Tadepalligudem, will not pay any advance payment

(s) against supply material or against Proforma invoice to vendor.

ARBITRATION: All disputes in connection with the execution of contract shall be settled under the provisions of Arbitration and Conciliation Act 1996 and the rules framed there under and in force shall be applicable to such proceedings. The Competent Authority of NIT Andhra Pradesh, Tadepalligudem, or a person nominated by him/hershall be the sole Arbitrator.

JURISDICTION: The Courts of Tadepalligudem alone will have jurisdiction to try any matter/dispute or reference between the parties arising out of any conflict.

Supply and Installation of Corrosion Engineering lab equipment

The Successful Bidder should arrange for supply and installation of the equipments as soon as they receive the Purchase Order. In case, it is found that there is delay in Supply and installation then the NIT Andhra Pradesh, Tadepalligudem, at its sole discretion may cancel the Purchase Order and the Performance guarantee shall be forfeited without any further reference to the Bidder.

DISCLAIMER:

Even though adequate care has been taken in the preparation of this Tender Schedule the Bidder should satisfy himself that the Schedule is complete in all respects.

NIT Andhra Pradesh nor their employees make any representation or warranty as to the accuracy, reliability or completeness of the information in this Tender Schedule and it is not possible for the NIT Andhra Pradesh to consider the investment objective, financial situation and particular needs of each party who reads or uses the Tenders Schedule. Certain prospective Bidders may have a better knowledge of the scope of work than others. Each prospective Bidder should conduct his own investigations and analysis and check the accuracy, reliability and completeness of the information in the Tender Schedule and obtain independence advice from appropriate sources.

The Director, NIT Andhra Pradesh reserves the right to change any or all of the provisions of this request for Proposal. Such changes would be intimated to all parties procuring this request for Proposal.

The Director, NIT Andhra Pradesh reserves the right to reject any or all the Bids submitted in response to this request for Proposal at any stage without assigning any reasons whatsoever.

Signature of the Bidder with stamp

Annexure-I

PART-I (TECHNICAL BID)

All the commercial conditions shall also be indicated in this part. Deviations, if any, to our specifications shall be brought out very clearly. Bidders shall mention point-wise confirmation with regard to technical specifications given in our Enquiry.

S No.	Particulars	Details
1	Bidder's name	
2	Registered Office and address	
3	Working Place of the office	
4	Year of Establishment	
5	Type of Firm (Ownership, Partnership, Pvt Ltd or Ltd Co.)	
6	Details of ownership (Name and Address of the Board of Director, Partners etc)	
7	Name of the authorized signatory who is authorized to sign all the relevant documents (power of attorney, if any to be submitted)	
8	Contact Details	
	Name of the contact person	
	Designation	
	Telephone Number (Office)	
	Mobile Number	
	Email Id	
9	Address for communication	
10	Registration Numbers:	
	Firm Registration No.	
	GST No.	

11	PAN Number	
12	Total Annual Turnover for last three years	2022-23:Rs 2021-22:Rs 2020-21:Rs
13	Whether Agency has been black listed by any Govt or Semi-Govt. organization or any other organization? If yes, provide details	YES/NO
14	Do you accept all terms and conditions of Tender document and signed the tender document?	YES/NO
15	Do you agree to provide services as per the Institute's requirement?	YES/NO
16	No. of years of service in the field of Supply, Installation, Testing and commissioning of Corrosion Engineering Laboratory Equipment's	
17	Have you submitted the relevant work order(s), work completion and satisfactory certificate(s), IT returns, audited accounts statement / bank statement etc.?	YES/NO
18	DD Number, Amount and Date of the EMD submitted	
19	Bank Particulars	
	Account name	
	Type of A/C: (SB/CA/CC)	
	A/C No.	
	IFS code	
	Name of the Bank	
	Branch	

Enclose all certificates in support of above statements.

Date:

Authorized Signatory

Name:

Place:

Designation:

Company:

Contact No.

Company Seal

PART-B. FINANCIAL BID (On Firm Letterhead)**FOR SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF MULTI CAPABILITY TRIBOMETER WITH CORROSION MODULE AT NIT ANDHRA PRADESH, TADEPALLIGUDEM.**

Ref No: NITANP/SMMD/TENDER/2024-25/25

Date:28.06.2024

Sl. No.	Item Description	Quantity (Unit)	Unit Rate Rs.	Total Amount Rs.
Supply, Installation, Testing and Commissioning of Multi Capability Tribometer with Corrosion Module at NIT Andhra Pradesh, Tadepalligudem				
1.	Multi Capability Tribometer with Corrosion Module	1		
Total Cost				
(Taxes as applicable)				
Grand Total in words				

Note: a. If there is a discrepancy between the rates quoted in words and in figures, the amount quoted in words shall prevail.

b. The total amount quoted above will be including for supply, installation, testing and commissioning shall be treated for determining the Lowest Bidder (L1). No partial supply shall be assigned to any of the vendor(s). Hence, the vendor should quote/supply all the items mentioned at clause (7) titled "Scope of supply" else the bid shall be treated invalid.

Signature

Name and Address of the Bidder with stamp

Place

Date

DECLARATION

(To be provided on letter head of the Bidder)

I/We _____ do here by certify that our firm is not blacklisted and no enquiries /cases are pending against us by Govt. of India /Govt. of Andhra Pradesh or by any State Board Universities, since inception of the firm /company.

All the terms and conditions given in the tender **“For Supply, Installation, Testing and Commissioning of Multi Capability Tribometer with Corrosion Module at NIT Andhra Pradesh, Tadepalligudem”** issued by NIT Andhra Pradesh, Tadepalligudem are acceptable to us.

We also certify that the information mentioned in the submitted documents is true and complete in any every respect and explicitly agree that in case at a later date it is found out by the Institute (NIT Andhra Pradesh, Tadepalligudem) that any details provided herein by us are incomplete/incorrect, any contract given to us maybe summarily terminated forthwith, our firm may be blacklisted, and that the Institute may also initiate any other legal/penal proceedings, as deemed fit by it.

Date:

Authorized Signatory

Name:

Place:

Designation:

Company: Contact

No. Company Seal: