

 **NAVSARI AGRICULTURAL UNIVERSITY** 
NAVSARI - 396 450 (GUJARAT) INDIA

TENDER NOTICE

The Soil Science Department, NAU, Navsari-396450 invites tender for purchase of Automated particle size analyzer instruments. So, interested parties should post/Courier their price in enclosed cover. It has to be sent as received by 09-01-2025 up to 17.00 hrs. More information can be found on the university website www.nau.in.

**Sd/- Research Scientist,
Soil Science Department,
NAU, Navsari**

ક્રમાંક : માહિતી/નવસારી/૪૨૫/૨૦૨૪

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Section 1: Tender Notice

Purchase of Automated particle size analyzer

Tenders in sealed covers are invited for “**Purchase of Automated particle size analyzer**”. This tender aims to procure an Automated Particle Size Analyzer to enhance research capabilities in soil science, catering to educational and research needs for undergraduate, postgraduate, and doctoral studies. Please super scribe the above-mentioned title on the sealed covers to avoid the bid being declared invalid. Please also super scribe ‘Technical Bid and ‘Commercial Bid’ on the respective covers:

General information about the tender is as follows: -

- (a) Queries to be addressed to : rsssnu@yahoo.in
- (b) Postal Address for sending the Bids : Research Scientist, Soil Science Dept., Navsari Agricultural University, Navsari-396450
- (c) Name/designation of contact person : Dr. Sonal Tripathi, I/c. Research Scientist (Soil Science)
- (d) Last Date and Time for Receipt of Tenders : 09 January 2025 up to 17:00 Hrs
- (e) Bid Validity Period: Upto 31st March, 2025
- (f) Tender Fee : Rs. 1500/-
- (g) Earnest Money Deposit (EMD) : Rs. 13500/-

All procurement activities will adhere to the Gujarat State Procurement Policy 2024, dated 14.03.2024.

Section 2: Particulars and objectives of purchase

Particulars	Objective
Automated particle size analyzer	To supply, install and determine soil texture from 2 mm Sieved soil

Section 3: General Terms and Conditions

Note: Purchase of this scientific instrument will be followed as per the Gujarat State Procurement Policy 2024 dated 14.03.2024

1.	The Soil Science Department, Navsari Agricultural University, Navsari (hereinafter referred to as “the purchaser”) is inviting manufacturer / authorized dealers (hereinafter referred to as “tenderer”) for their requirement to purchase Automated particle size analyzer.
2.	Tenderer should set their quotation in firm figures. Each figure stated should be repeated in words also. In the event of any discrepancy between the amount stated in figures and words, the rate quoted in the words shall be deemed to be the final quotation.
3.	The Commercial bid in prescribed format under their original memo/letter pad should be submitted along with Tender document in a separate sealed cover.
4.	In case of Original Equipment Manufacturer (OEM) , attach the OEM certificate. Authorized dealers can quote their rates provided that they need to attach relevant certificate of authorized dealership issued during current financial year: 2024-25 from the OEM. <ul style="list-style-type: none">• The tenderer should have made a positive operating profit.• The tenderer should not be blacklisted by any Government or Government entity.
5.	Bids should be forwarded by tenderers under their original memo/letter pad inter alia furnishing details like PAN, GST number, Bank address with EFT Account, if applicable, etc. and complete postal & e-mail address of their office.
6.	Tenderers should have to attach original colour catalogue of the quoted product ensuring exact specifications.
7.	The prices of the item shall be inclusive of all freight, packaging and forwarding, transit insurance, installation charges, applicable taxes as per recent government rules & regulations as well as for destination.
8.	The lowest price is not the criteria and emphasis would be placed on quality and specifications of the material. The purchaser has right to reject any or all the offers and invite fresh quotations if need arises. The purchaser further reserves the right of selecting the brand and accepting or otherwise any of the conditions stipulated by tenderer.
9.	The bid is non-transferable.
10.	The successful tenderer shall have to execute the purchase orders placed on any date during the validity of the tender at the rate, terms and conditions of the tender.
11.	All the electronics items should comply to International Standards for safety, Electromagnetic Emissions, Electromagnetic Immunity <i>etc.</i>
12.	Purchase committee reserves the right to bought clarification from the tenderer.
13.	The successful tenderer will hold responsibility for the items sufficiently and properly packed for transport so as to ensure their being free from loss / damage / injury on arrival of destination purchaser premises. The material should be supplied in the original company’s packing which shall indicate packing details and other particulars as required under the statutory provisions. Inner and outer packing of boxes / cartons should be of standard design. The final packing of cartons of corrugated boxes shall be complying with ISS standards. A packing slip shall indicate clearly and legibly the name of the product, batch number, quantity, date of manufacture, date of expiry, gross and net weight, and consignee’s name and address and other particulars as required. In the event of breakages or loss of items during transit / installation against requisition order the said quantity will have to be replaced/supply by the tenderer without any additional charges.
14.	Successful tenderer failing to provide after sales services would be permanently blacklisted.
15.	The tenderers are encouraged to visit at ordering site before bidding for the assessment of feasibility of the quoted item. However, no any excuses will be acceptable regarding the performance to fulfil the objective of the quoted items.

16.	There should be no discrepancy in price quoted under similar period and similar supplies under the territorial jurisdiction of Gujarat state.
17.	The tenderers have to submit the quality assurance certificate obtained from QCI/BIS/ISO or any Indian Government approved institute/ organization for OEM. In case of imported items where the QCI/BIS or Indian Government approved institute/organization quality control certificate is not available then the quality assurance certificate of international standard has to be provided.
18.	No special preference will be accorded to any tenderer either for price or for other terms and conditions when competing with foreign bidders, state-owned enterprises, small-scale enterprises or enterprises from any given state.
19.	The tenderer whose prices are approved will have to submit the bill in triplicate after completing the order. Payment will be made after deducting tax as per government rules.
20.	The purchaser reserves the right to accept or reject any bid. If the purchase cannot be made from the price list due to unavoidable circumstances, it cannot be claimed.
21.	Delivery: The purchaser reserve the right to extend period or reject the deal and their decision in the matter shall be final and binding to all.
22.	Warranty: The tenderer must provide comprehensive onsite standard warranty as asked in specifications , from the date of installation for item and offer options for an extended warranty up to 3 years. The cost and details of the extended warranty must be clearly stated in the commercial bid. Please clearly mention the parts, which are not covered under warranty, separately. If instrument, properly not working and repetitively fault is found, say twice a week during the warranty period, the tenderer shall replace the item with new item without any additional cost to the purchaser. Further, any complaint shall be attended within a response time of 48 hours on 24X7 basis during warranty period.
23.	Site Preparation: The supplier must inform the purchaser of any site preparation requirements immediately after contract award to ensure smooth installation.
24.	Training and Demonstration: The supplier must conduct on-site training for up to 5 lab personnel during installation and provide annual refresher training during the warranty period.
25.	Dispute: In case of any dispute, final decision of the purchaser will be binding upon all. In case of any disagreement arises in respect of this tender resulting in legal dispute shall be subjected to Navsari Jurisdiction.
26.	All rights are reserved with the University Authority to accept or reject any or all the tenders received without assigning any reasons thereof.
27.	Tender should be submitted in two covers as under all covers should be SUPERSCRIPED i.e. Technical bid/financial bid. Tender No. /Name of instrument with tenderer full address. The terms and conditions should be attached with Technical bid. All the following four covers should be sealed separately and put into a separate sealed cover super scribed ‘Tender for the purchase of Automated particle size analyzer’ . Cover (I) Dully filled Technical bid form with OEM certificate, PAN no., GST No., Bank Details, IT Return, EMD, Tender fee, Affidavit, Quality standard certificate, Brochure etc. (No financial terms should be mentioned directly or indirectly in the technical bid.) (cover super scribed “Technical. bid form”) Cover (II) - Commercial Bid form in a separately sealed cover (cover super scribed “Commercial Bid form”).
28.	Payment: Payment in INR will be made in full after the successful supply, commissioning/installation, and satisfactory performance of the Automated Particle Size Analyzer, as duly certified by the Purchase Committee upon completion of final inspection. However, any request regarding the advance or partial payment will not be entertained in any circumstances. If payment made through LC account, the cost of opening and other charges will be borne by the tenderer.

Section 4: Tender Fee, EMD and Security Deposit

1. **Tender fee and Earnest Money Deposit:**

The tenderer has to submit non-refundable Tender Fee and Refundable Earnest Money Deposit in the form of Bank Draft payable at Navsari in favor of “Research Scientist, Soil Science Department, Navsari Agricultural University, Navsari”.

2. The tender without **Tender Fee and Earnest Money Deposit will not be considered.**
3. **Refund of Earnest Money Deposit:** The earnest money of unsuccessful tenderer will be refunded. The **Earnest Money Deposit** of successful tenderer will also be refunded after completion of purchase procedure.
4. **Forfeiture of Earnest Money:** The earnest money will be forfeited if tenderer withdraws or modifies the offer after opening of tender document or tenderer does not execute the agreement.
5. **Security Deposit:** Successful tenderer has to submit **5%** of purchase order value as a Security Deposit **in the form of Bank Draft payable at Navsari or Bank guarantee in favor of “Research Scientist, Soil Science Department, Navsari Agricultural University, Navsari” from any Nationalized bank** and will be informed by purchase office at the time of giving purchase order.
6. **Refund of Security Deposit:** The amount of security deposit will be refunded after completion of standard warranty period.
7. **Forfeiture of Security Deposit:** The security deposit will be forfeited if, successful tenderer fails to supply the items within the delivery period and/or tenderer fails to comply specifications of instruments and/or tenderer fails in successful installation/demonstration of the instruments/ machinery and/or tenderer fails to provide satisfactory post sale services and support or fail to replace the defective piece/ service the instruments/ machinery before warranty period.
8. No interest for EMD and security deposit will be paid.

Forwarding Letter

From: _____

No.
Date: - - 2024

To,
Research Scientist,
Department of Soil Science
Navsari Agricultural University,
Eru Char Rasta, Navsari – 396 450 (Gujarat)

Subject: Submission of tender for the purchase of Automated particle size analyzer

Ref.: Tender published in daily news paper Gujarat Samachar (Surat edition) dated: 20/12/2024 Page no. 15.

Sir,

I/We hereby submit the offer (duly filled) in response to the advertisement/tender notice for the purchase of Automated Particle Size Analyzer in accordance with the terms and conditions of such supply and declare as under:

I/We hereby offer to supply AUTOMATED PARTICLE SIZE ANALYZER instrument to Navsari Agricultural University, Navsari in accordance with the terms and conditions, here to annexed and at the prices given by me/us in commercial section of tendering.

I/We enclose herewith **Tender Fee and EMD from a nationalized bank payable at Navsari, Gujarat drawn in favor of “Research Scientist, Soil Science Department, Navsari Agricultural University, Navsari”** payable at Navsari, Gujarat with following details.

	Amount (Rs.)	Amount in Words	DD No.	DD issue Date
Tender Fee	1500/-	Rs. One thousand five hundred only.		
EMD	13500/-	Rs. Thirteen thousand five hundred only.		

I/We carefully read and understood and agree to abide by the said terms and conditions set in the tender document hereto annexed and the description/ specifications of the items.

I/We agree to hold this **offer open till 31st March, 2025** from the due date of opening of the tender.

I/We agree that in case of dispute, if any, the decision of The Purchase Committee, Navsari Agricultural University, Navsari 396 450 shall be final and binding upon me/us.

Date: - -20

Stamp, seal and signature of tenderer

Enclosure: as follows

	Attachments	Page no.
1.	Tender document duly signed and stamped on each page	
2.	Technical bid Form (Including Appendix-A, B, C, & D in a separate sealed cover)	
	Duly field tenders detail form (Appendix-A)	
	OEM certificate	
	PAN Card	
	GST	
	Bank Details	
	IT Return	
	EMD	
	Tender fee	
	Appendix-B: Proforma of Affidavit	
	Appendix-C: Technical Specifications Compliance Document (TSCD)	
	Appendix-D: Client list	
3.	QCI/ BIS / ISO or Indian Government approved institute/ organization quality control certificate/ International quality standard certificate for OEM (whichever is applicable).	
4.	Commercial bid form (In a separate sealed cover)	-
5.	Original colour catalogue/Brochure showing item detail	-
6.	Other (any specific or relevant information pertaining to tender which have not been covered in the tender document. Such as tender fee exemption certificates etc.)	-

Note: These documents are mandatory, missing of any is subjected to rejection of this tender.

Technical bid Form

Appendix-A: Tenderer's Detail

1.	Name of the Company	:	
2.	Manufacturer / Authorized Dealer (Attached certificate)	:	
3.	Registered Office Address with Telephone/ Mobile Number Fax Number e-mail	:	
4.	Correspondence Address with Telephone/ Mobile Number Fax Number e-mail	:	
5.	Details of the authorized person(Name, designation, address) with Telephone/ Mobile Number Fax Number e-mail	:	
6.	PAN Card No. (Attached here with)	:	
7.	GST No. (Attached here with)	:	
8.	Bank detail (Bank Name, Branch Address, Account No., Type of Account (Current/ Savings), MICR No, IFSC Code	:	
9.	Filing date of IT Return AY 2024 – 25 (Attached here with)	:	
10.	EMD amount, No. and Bank (Attached here with)	:	
11.	Tender fee amount, No. and Bank (Attached here with)	:	
12.	Affidavit submitted (Yes/No), (Attached here with)	:	

Date: - -20

Stamp, seal and signature of tenderer

Appendix-B: Proforma of Affidavit
(on Non-Judicial Stamp Paper of Rs 100/- duly attested by Magistrate /Notary Public)

I/We, _____, age __, years residing at _____ in capacity of _____ M/s _____ hereby solemnly affirm that :

1. All General Instructions, General Terms and Conditions, as well as Special Terms & Conditions laid down on all the pages of the Tender Form, have been read carefully and understood properly by me and are completely acceptable to me and I agree to abide by the same.
2. All the Certificates / Permissions / Documents/ Permits / Affidavits or any relevant document either submitted physically as a part of tender are valid and current as on date and have not been withdrawn / cancelled by the issuing authority.
3. It is clearly and distinctly understood by me that my tender is liable for rejection if any of the Certificates / Permissions / Documents/ Permits / Affidavits is / are found to be invalid / wrong / incorrect / misleading / fabricated / expired or having any defect at any point of time.
4. I/ We further undertake to produce on demand the original Certificate / Permission / Document / Permits for verification at any stage during the processing of the tender as well as at any time asked to produce.
5. I/ We also understand that failure to produce the documents in "Prescribed Proforma" (wherever applicable) as well as failure to give requisite information in the prescribed proforma may result in to rejection of the tender.
6. My/ Our firm has not been banned / debarred / black listed by any Government Department / State Government / Government of India / Board / Corporation / Government Financial Institution etc.
7. I/ We confirm that I / We have meticulously filled in, checked and verified the enclosed documents / certificates / permissions / permits/ affidavits / information etc. from every aspect and the same are enclosed in order (i.e. in chronology) in which they are supposed to be enclosed.
8. I/ We say and submit that the Permanent Account Number (PAN) given by the Income Tax Department is _____, which is issued on the name of _____
[Kindly mention here either name of the proprietor (in case of Proprietor firm) or name of the tendering firm, whichever is applicable].
9. I/ We understand that giving wrong information on oath amounts to forgery and perjury, and I/We am/are aware of the consequences thereof, in case any information provided by us are found to be false or incorrect, you have right to reject our bid at any stage including forfeiture of our EMD/PBG/cancel the award of contract. In this event, the Navsari Agricultural University reserves the right to take legal action against me/us.
10. I/We hereby assured that all our quoted item/s meet or exceed the requirement and are absolutely compliment with specification mentioned in the tender document.
11. My/Our Company has not filed any Written Petition, Court matter and there is no court matter filed by State Government and its Board Corporation, is pending against our company.
12. I/We hereby commit that we have paid all outstanding amounts of dues / taxes / cess / charges / fees with interest and penalty.
13. In case of breach of any tender terms and conditions or deviation from bid specification other than already specified as mentioned above, the decision of purchase committee appointed by the purchaser for disqualification will be accepted by me/us.

Whatever stated above is true and correct to the best of my knowledge and belief.

Date :

Stamp & Sign of the Tenderer

Place:

(Signature and seal of the Notary)

Date: - -20

Stamp, seal and signature of tenderer

Appendix C: Technical Specification Compliance Document (TSCD)

The tenderer has to fill the technical specification compliance document (TSCD) on their official letter head of tendering party for the instrument / equipment for which they have quoted and mentioned the specific catalogue/ part no./ item under the column, remarks if comply the specifications. In the format of technical specification compliance document (TSCD), tenderer should have to make comments regarding any deviation or any equivalent technology or any information which supplement the claim of complying the technical specification or any noticeable information *etc.* After filling the above document, tenderer has to duly authenticate by signing on each page and seal them properly. submitted with the tender document.

**TSCD III: Automated Particle Size Analyzer
(Quoted Model No.)**

Particular	Specifications	Comply (Yes/No)	Remarks
<p>I. Automated particle size analyzer</p>	<p>Price of PARTICLE SIZE ANALYSIS, AUTOMATED WITH REQUIRED ACCESSORIES</p> <ol style="list-style-type: none"> 1. Measurement Range: <ul style="list-style-type: none"> ○ The instrument should be capable of measuring particle sizes ranging from 2 µm to 63 µm, with a resolution of 1 µm or better. 2. Accuracy and Precision: <ul style="list-style-type: none"> ○ Soil texture instrument should have Pressure measurement Accuracy of ±1.0 Pa and Resolution: ±0.1 Pa. ○ The approximate error for particle size measurement must not exceed ±3%. 3. Sample Handling: <ul style="list-style-type: none"> ○ The device should be able to analyze 25–50 g of soil per 1-L suspension. ○ The instrument should allow for continuous operation without manual intervention once the analysis has started. 4. Automation and Operation: <ul style="list-style-type: none"> ○ The analyzer should offer unattended, autonomous operation after the measurement starts, requiring no interference from lab personnel. ○ The instrument must be capable of providing a quasi-continuous resolution of particle size distribution. ○ Soil texture instrument should have typical duration of measurement of 2.5 h and measurement interval of 10 s, the instrument should provide data output in a quasi-continuous manner. 5. Physical Specifications: <ul style="list-style-type: none"> ○ The device should include a borosilicate glass cylinder with the following dimensions: <ul style="list-style-type: none"> ▪ Height: 450 mm (17.7 in) ▪ Inner Diameter: 59 mm (2.3 in) ▪ Outer Diameter: 67.5 mm (2.7 in) ▪ Volume: 1,000 mL (1,000 cm³) 		

	<ul style="list-style-type: none"> ○ The instrument should be designed to operate within an ambient temperature range of 15°C to 35°C, with optimal operation at 20°C. 6. Data Handling and Connectivity: ○ The device should include a PC (Computer System) with USB 2.0 port for data transfer, with a power requirement of 500 mA for the receiving port. ○ It should support the export of complete particle size distribution curves directly to a connected computer or storage device. ○ The Instrument Control software is needed for configuration, measurement, and data manipulation. ○ Instrument should automatically calculate clay content. 7. User-Friendly Features: ○ The instrument must allow for calculation of particle size distribution by Stokes' law, ensuring accurate and reliable results. ○ It should integrate automatic temperature compensation during the analysis to ensure accuracy. ○ The analyzer must minimize manual handling to avoid physical disturbance of the soil suspension, which can affect measurement accuracy. ○ The system should help in the avoidance of manual reading and calculation errors, thus providing more consistent results. 8. Preferred Additional Features: ○ The device should have built-in software for automatic calculations and analysis of the particle size distribution. ○ It should provide quasi-continuous particle size distribution curves, enabling better analysis and interpretation of soil texture. ○ Temperature dependence should be automatically integrated into the calculation process to ensure accuracy under varying conditions. 9. Compliance ○ The soil texture instrument should have Manufactured under ISO 9001-2015, EMC ISO/IEC 17050 : 2010 (CE MARK). ○ Original Equipment Manufacturer authorisation required. 10. Warranty, After-Sales Support, and Training: ○ The equipment must include a minimum 2-year warranty covering any manufacturing defects, 		
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	<p>along with 24/7 technical support and a 48-hour response time for addressing issues.</p> <ul style="list-style-type: none"> ○ The supplier should provide an option for an extended warranty of up to 3 years beyond the initial warranty period, including technical assistance, troubleshooting, and maintenance. ○ The supplier should also offer after-sales support, including regular maintenance, calibration services, and prompt technical support for any issues that may arise. ○ Training sessions for lab personnel should be conducted by the supplier to ensure proper use and maintenance of the instrument. ○ The supplier must ensure the availability of spare parts and provide on-site service as needed during both the initial and extended warranty periods, including 24/7 technical support with a 48-hour response time for critical equipment. ○ Suppliers should clearly indicate the costs for the extended warranty and the scope of services covered under it in their bid. 		
Terms and ConditionsOthers	<ul style="list-style-type: none"> i. The tenderer should have proven track record for the supply, installation and commissioning of the instrument. Please provide list of clients (Appendix D) who have been supplied similar quoted instrument by the tenderer within last 5 years. ii. The instrument shall strictly confirm to the specifications and any deviation or clarification regarding the specification should be mention under “Remarks” column of TSCD. iii. The tenderer must guarantee the availability of spare parts for the quoted model of the instrument for at least 10 years beyond the warranty period. iv. The tenderer has to provide onsite post installation training of handling, maintenance and softwareapplication to the purchaser’s staff. v. The supplier must provide annual training sessions for designated personnel to ensure proper operation and maintenance of the equipment. Additionally, any software updates or upgrades released during the warranty and extended warranty periods must be provided at no additional cost to ensure the system remains current and fully functional. vi. The quoted instrument should be rugged enough to handle the frequent power fluctuation. vii. The tenderer shall inform the purchaser about the sitepreparation, if any, needed for installation, of thegoods at the purchaser’s site immediately after notification of award/contract. 		

	<p>viii. The tenderer should aim at a turnkey supply and installation of the instrument to fulfil the objective of purchase. For that any accessory or facilities which is felt mandatory for the proper working of the instrument but not mentioned in the specification has to be quoted and supplied along with.</p> <p>viii. The tenderer has to mandatorily quote the final price of the instrument.</p> <p>ix. Continually instrument will not be performed after service, it will be replace.</p>		
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Appendix D: Client List

Sr. No.	Name of Purchaser	Address with Mobile no. and E-mail Address	Name of Contact parson with Mobile no. and E-mail Address	Year of Supply (Last 5 year)	Status

Signature of tenderer
Name
Business address

Place:
Date:

COMMERCIAL BID FORM

Sr. no.	Particulars of Bid Price Break up	Price per unit (in Rs.)	Quantity	Total Price (in Rs.)
1.	Automated particle size analyzer with required accessories (As per specification given in Appendix C)			
2.	Discount if any			
3.	Taxes and Duties			
4.	Grand Total (Rs.)			

Total bid price in Rupees: (in figures)

(in words)

Signature of tenderer
Name
Business address

Place:

Date: