



VASANTDADA SUGAR INSTITUTE
MANJARI BK., HAVELI, PUNE- 412307
Phone: 020-26902316/26902286 Fax. 020-26902244
WEBSITE: www.vsisugar.com
e-TENDER NOTICE

e-Tender are invited from reputed firms/Suppliers/Manufacturers for Following:

Sr. No.	Item/ Description	Tender Form Fees (Incl. GST)	EMD Amount
1	Supply, Installation, Testing & Commissioning of Sulfur Analyzer Including Desktop PC, Printer, UPS system Qty 1 Nos. Each. (As Per Specification)	8,260/- Including GST	95,000/-

Note: for details MKCL website : <https://sugarmart.sets.co.in/>

1. E-Tender Notice Can be seen on website www.vsisugar.com
<https://sugarmart.sets.co.in>
2. e-Blank tender form will be issued from 08.05.2026 to 20.05.2026.
3. e-Tender is to be submitted upto 20.05.2026 with following Documents.
 - a) GST Registration
 - b) Udyog Aadhar Card
 - c) Pan Card
 - d) Copy of Registration Certificate of Tender/Firm/Origination/Industry
 - e) Recent installation PO
 - f) Recent List of reputed customer
4. Pre bid Meeting will be held at Vasantdada Sugar Institute, Manjari Bk., Tal-Haveli, Dist- Pune. On 18.05.2026 at 15.00 hrs.
5. For further details, please visit website. Institute reserves the right to accept or to reject any or all tenders without assigning any reason thereof.

DIRECTOR GENERAL

Tender Terms & Conditions

1. Please quote the rate of Sulfur Analyzer Including Desktop PC, Printer, UPS system Including freight, loading & unloading, warranty, installation, Commissioning & Successful operation at VSI Manjari Bk, Haveli, Pune & Taxes Separately.
 2. if applicable The Supplier will have to submit sample of the material and laboratory test (COA) for approval **along with technical bid**. Material will be rejected, if it is not supplied as per given specification and laboratory test report.
 3. Offer should be valid for 120 days from the last date of submission.
 4. Online payment e-Tender form fee and Earnest money deposit (as mentioned in e-tender notice) should be of Nationalized/schedule Bank in favor of Vasantdada Sugar Institute, Pune.
 5. Supplier/Agency will have to complete the order/work as per the purchase/work order. If the supplier/agency failed to complete the job within 30 days, penalty equal 0.50% of cost of contract value per week will be recovered as liquidated damages.
 6. All taxes, Insurance, Road toll etc. in the suppliers account.
 7. The Institute is not responsible for any accidents/claims during the transportation/work/installation of the material/equipment.
 8. Supplier/Agency should submit the delivery challan, without delivery challan/invoice unloading will not be allowed.
 9. The Supplier/Agency should give prior intimation before unloading.
 10. No advance payment is allowed.
 11. Earnest money deposit will be forfeited if supplier withdraw his offer or refuse to sign an agreement of supply after opening of offers.
 12. The decision of Director General, Vasantdada Sugar Institute is binding on supplier in respect of the entire dispute.
 13. T.D.S. provisions of I.T. Act are applicable, and according T.D.S. at applicable rate would be deducted from bill amount.
 14. Selected Supplier/Agency will have to deposit the security deposit of 4 % of the total order cost and sign an Agreement before placement/receiving of purchase order on non-judicial stamp paper of Rs.500/-.
 15. 100% payment will be made within 30 days against supply of order as per specification at our site.
 16. If the Supplier/Agency failed to complete the work ordered, the same would be purchased from other agency at the risk & cost of the firm.
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Technical Specifications for Elemental combustion analyzer for Total Sulfur by UV-Fluorescence

1.	<p>FURNACE CAPABILITY:</p> <ul style="list-style-type: none"> a) Maximum operating temperature of the furnace should be 1150°C for combustion of biofuel samples, molasses samples and other liquid samples as per above test methods b) Programmable oxidative combustions Horizontal Oriented furnace tube with dual zones with three temperature readout visible through its instrument operation software as per above test methods c) The sample combustion tube must be carried out without use of any Catalyst/Alumina etc. d) Ten years warranty on the furnace by the Original Equipment Manufacturer of the quoted instrument along with the standard warranty on full system as mentioned in tender document. OEM warranty document to be attached with Compliance document. e) The instrument should have facility to display the actual and set temperature of different zones of furnace. f) Instrument should have temperature controller with digital display. 	
2.	<p>FLOW CONTROLLERS:</p> <ul style="list-style-type: none"> a) The instrument should have electronic flow controllers for precise control of carrier gas, combustion gas, oxygen and zero air. The total gas consumption during analysis (oxygen + Ar/other gases used) should not exceed 500 mL/ min. b) The instrument should have facility to display the actual and set values of different supplied gases on the screen and software should control the flow controllers and flow of the gases into instrument. 	
3.	<p>INTRODUCTION MODULES:</p> <ul style="list-style-type: none"> a) Liquids Introduction module in horizontal furnace must have ability to evaporate immediately when sample is introduced into liquid module (500°C) at a controlled rate of 1µL per second as per international test methods. The direction injection method of sample introduction in the horizontal furnace should be as per the above stated test methods b) Single shot injector module/constant rate injection system must be free from clamp connection and must have motorized with electronically lock fittings. c) The instrument should have boat module to introduce liquid, high viscous liquid and solid samples into the furnace d) The instrument should be equipped with automatic sample cup collection drawer for collecting the used sample cups after analysis e) The instrument should be equipped with single shot injector /constant rate injection system and must be used in horizontal mode only. Pivot orientation will not be accepted. 	
4.	<p>DETECTOR:</p> <ul style="list-style-type: none"> a) Sulphur Detection in ethanol after oxidative combustion should be estimated by UV fluorescence detector b) The detector should have typical LOQ of 30 ppb to max 10,000 ppm for Sulphur measurement in horizontal mode. 	

	<p>c) The detector should have feedback mechanism to control the lamp intensity automatically as lamp ages to have stable and reproducible results for long duration of use thereby reducing frequency of calibration. Technical documents relevant to feedback system should be attached with compliance. The presence of hardware in the quoted system concerning this function should be shown physically at the time of technical evaluation and installation.</p> <p>d) UV Lamp life: Minimum 2 years.</p>	
5.	<p>Sample Analysis Requirement:</p> <p>a) Instrument should comply in accordance with ASTM D 5354.</p> <p>b) Minimum 45 samples per day (8 hrs. operation).</p> <p>c) Time duration for single analysis should not be more than 10 minutes.</p> <p>d) Calibration with minimum 5 standard points with control chart.</p>	
6.	<p>SOFTWARE FEATURES:</p> <p>a) Features like Traceability of Analysis and Calibration, trend Analysis, Approval of Analysis should be present in instrument operation software</p> <p>b) Software should be automatically able to detect the hardware connected to it with ready layout showing instrument set and actual parameters and also have function to overlay the graphs from previous analysis for better comparison data. Software should also have QC chart to study the trend analysis of Quality control samples over long period.</p>	
7.	<p>FUTURE UPGRADATION PROVISION:</p> <p>a) The Instrument should have future capability and provision to upgrade for analyzing gaseous and BioCNG, LNG samples by fully software-controlled gas/LPG sampling device.</p> <p>b) Need future upgradation module for water based sample (molasses)</p>	
8.	<p>CONSUMABLES TO BE PROVIDED ALONG WITH INSTRUMENT:</p> <ol style="list-style-type: none"> 1. Septum- 500 pieces 2. Module dryer complete- 1 no's 3. 100 micro litre syringes for Single shot injector- 2 no's 4. One set (pack of 7 ampules) of CRM 0-100 mg/L – 2no. 	
9.	<p>ACCESSORIES TO BE PROVIDED ALONG WITH INSTRUMENT:</p> <p>1) Vendor shall supply one Computer with following specifications along with instrument in the specific brand such as Dell, HP or Lenovo only.</p> <ol style="list-style-type: none"> a) Processor Core i5 or more with 11th generation or more with Q670 Chipset b) 8 GB RAM or more c) 1 TB SSD or more d) Windows 10 professional or more latest version of windows e) Lifetime Licensed full version of Microsoft office f) LED Monitor 20 inch screen size or above 	

	<ul style="list-style-type: none"> g) One Keyboard h) One optical mouse i) Connection cables j) Power cables <ul style="list-style-type: none"> 2) 3KVA UPS with 1-hour backup along with the equipment 3) Black & white laserjet printer. 4) Complete gas piping, gas purification and moisture panels with installation at the installation site 	
10.	<p>WARRANTY:</p> <ul style="list-style-type: none"> a) Vendor shall guarantee the equipment supplied for satisfactory performance for a period of 12 months from the date of successful installation and commissioning b) Visits during warranty period would be free of cost c) Vendor shall have proper service support for offered system in India and to provide after sale service with experience and trained engineers. Vendor to furnish in their offer the service agency's' brief performance history, years of handling experience of similar equipment, postal address, telephone No. and email ID and contact person etc. in India. d) The installation, commissioning, calibration and performance check of the instrument on receipt will be sole responsibility of the vendor at No extra cost. 	
11.	<p>Training:</p> <ul style="list-style-type: none"> a) The Scope included on-site training by qualified installation/application engineer for routine analysis, application/method development, routine maintenance, troubleshooting etc. 	
12.	<p>Miscellaneous</p> <ul style="list-style-type: none"> a) Arrange visit for Instrument demonstration at NABL accredited lab. b) Recent installation Purchase order. c) Post installation AMC plan for 2PM + 1 Breakdown visit 	

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