

TENDER NOTICE NO. COE/01 OF 2022-23

VAPI GREEN ENVIRO LIMITED
VAPI,
DIST.: VALSAD

E-Tender for Supply and Installation of Laboratory Instruments
PSA (Particle Size Analyzer) and IC (Ion Chromatography)
at Centre of Excellence Site, Vapi.

MSTC Event No.

VGEL/COE/Purchase/9/22-23/ET/10[Supply of Lab. Instrument]

TECHNICAL BID & PRICE BID

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VAPI GREEN ENVIRO LIMITED

Formerly known as Vapi Waste & Effluent Mgt. Co. Ltd.

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E-Tender for Supply and Installation of Laboratory Instruments
PSA (Particle Size Analyzer) and IC (Ion Chromatography)
at Centre of Excellence Site, Vapi.

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Section 1: Important Dates and Information of the Tender

Title of the Tender: E-Tender for Supply and Installation of Laboratory Instruments PSA (Particle Size Analyzer) and IC (Ion Chromatography) at COE, Vapi. 08-11-2022.

Last Date of Submission: 12:30 PM on 25th November 2022

Mode of Submission: E-Tendering. Online Submission on www.mstcecommerce.com.

Technical Bid Opening: 12:31 PM on 25th November 2022 at Head Office Address.
(Bid opening depends on availability of signing authority)

Technical Bid Evaluation: Technical bids so received will be evaluated by the VGEL technical staff separately. (Bid opening will be done on MSTC Website as per availability of signing authority)

Price Bid Opening: Price bids of only technically qualified bidders will be opened after technical evaluation.

Supply & Installation: Within 3 Month period from the date of issue of P.O.

Price Validity: Within 150 Days from the date of opening of Price Bid.

Tender Fee: Non-Refundable as visible on MSTC website. Transaction Fees to be paid directly to MSTC Limited Only as per MSTC Rule, Tender fee should be 0.05% of estimated Amount. Approx **Rs. 4,500/- + 18% GST = Rs. 5,310/- (Non-returnable)**

EMD: **Rs. 90,000/- (Returnable)**

Important Note: Envelop should be superscripted as below.
“E-Tender for Supply and Installation of Laboratory Instruments PSA & IC at COE”

Section 2: General Instructions

- 1) Interested parties may obtain the tender document from the website www.vgelvapi.com
Please check Point No. 5 & 6 as mentioned below for submission of E-Tender.
 - 2) The duly filled Tender Document is to be sent to below address within 2 working days after submission on MSTC:
The Chief Executive Officer,
Vapi Green Enviro Limited.
135, VIA House, Char Rasta
GIDC, Vapi 396 195
Gujarat (India)
 - 3) The completed tender forms will be received in the office of VGEL during official hours i.e. 10:00 AM to 6:00 PM within 2 working days from last date mentioned in Section1.
 - 4) The bids should be submitted in a sealed cover containing following two separate envelopes:
Technical Bid:
 1. Technical qualification page along with all the documents mentioned in it.
 2. Copy of all sections except section 5 i.e. Price Bid duly signed & stamped on all the pages.**Price Bid:** To be submitted online only.
 1. Blank signed copy of price bid in the form provided in the tender document.
 2. No condition other than what already mentioned in the tender documents will be accepted.
 - 5) e-Tender shall be conducted on MSTC portal. Interested organizations with similar type of work experience who wish to participate in these e-tenders may visit www.mstcindia.co.in, www.mstcecommerce.com and www.vgelvapi.com.
 - 6) The bid shall be submitted through Online portal www.mstcindia.co.in, OR www.mstcecommerce.com. Signed copy of tender to be submitted within 2 days through speed post / register post / courier or hand delivery. The complete liability to ensure that the Signed bid shall reach in time will be with the bidder. Under no circumstance will allow any allowance for the delay arising out of postal or courier delivery.
 - 7) VGEL reserves the right to accept or reject any or all tenders in part or full or to cancel the issue of tender documents without assigning any reason whatsoever. Similarly, in the interest of company, company have absolute right to go for retendering without assigning any reason whatsoever to anyone.
 - 8) Bidder has to accept all terms and conditions unconditionally.
 - 9) Management reserves the right to modify the tender document for more clarity and/or to get more competition. If there is any revision in the tender document, the same will be published on our website www.vgelvapi.com. All the interested parties are requested to regularly check our website for any updates.
 - 10) Negotiations, if any, for any item will be held with the respective L1 party for that item. No bidder will have any right whatsoever for his bid if it is not obtained in time and in proper format.
- Kindly note that all tender notices are posted on our website only. Usually no advertisements of these tenders are published in newspapers.

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11) Interested parties may obtain the tender document from the website www.vgelvapi.com, Site of VGEL as mentioned in Section 1.

12) The duly filled Tender Document is to be sent to:

Head Office Address	Centre OF Excellence Address
The Chief Executive Officer, Vapi Green Enviro Ltd. 135, VIA House, Char Rasta GIDC, Vapi 396 195, Gujarat (India)	Centre OF Excellence, Plot No.863, P/864, 735/P, GIDC, 1 st Phase, Vapi - 396195 Ph.9714007068

13) The completed tender forms will be received at Head office Address during official hours i.e. 10:00 AM to 4:00 PM up to the last date mentioned in Section1.

Section 3: Financial Conditions

1. PRICE:

Price to be quoted by the bidder should be fixed and should cover the entire scope of this supply & Installation. The price quoted by the bidder to be inclusive of all taxes, levies, duties etc. as may be applicable, as mentioned on Section 5 of this tender document.

2. PENALTY:

The Penalty clause will be applicable for delay supply at the rate of 0.5% per week and a ceiling of 5% of the total order value for the supply period. Supply period (as per Section-1) from the date of LOI / Purchase Order.

VGEL will take action and deduct penalty amount for delay in supply & Installation work as per above terms.

3. SCHEDULE OF PAYMENT:

The payment will become due on VGEL once the bills are completely certified. VGEL will make the payment within 30 days. 95% Payment will be paid after successful Supply and Installation of Equipment at COE, Vapi, balance 5 % Retention Money will be deducted from Invoice. 5% payment will be released after submission of Performance Bank Guarantee of 5% basic amount of order value, Valid till **1 year**.

Retention: A total of 5% Retention Money shall be deducted from each running bill. 5% Retention amount shall be released after submission of Performance Bank Guarantee valid for **1 year**.

4. GUARANTEE / DEFECT LIABILITY PERIOD

The Supply of equipment shall be guaranteed for the soundness and its performance for the period of 12 months from the date of Installation at site. Any defect occurred on account of poor workmanship and MOC shall be attended by the Bidder during guarantee period. 5% amount will be released after 12 months from Installation date or 18 months from date of supply whichever is earlier. 1 year free maintenance should be inclusive with this supply **from date of Payment of Last**

Invoice of this supply.

Please submit your quotation for additional extended warranty for 2nd and 3rd year from date of Installation.

5. EMD & Performance Bank Guarantee:

- (a) The EMD of un-successful bidder will be released within 1 week from the placement of LOI to Successful bidder. (Maximum 2 months)
- (b) The EMD will be returned to the successful bidder after submission of PBG @ 05% of basic order value (Without Tax) at the time of signing the agreement valid up to the guarantee period.

PBG shall be released after the deduction/settlement of outstanding or any other dues to the company in the form of non-performance of Guarantee parameters or any other means.

6. Delivery Period:

Within 3 Month from date of issue of LOI/Purchase Order/Work Order/Agreement, whichever is earlier.

7. Certification & Inspection:

Bidder has to provide all required test certification as applicable at the time of delivery. VGEL will inspect material before dispatch at bidder's site if required. Third party inspection also may be done if required.

8. Installation of the Instrument:

Installation of the Instrument will be Free of Cost and in scope of Supplier. Bidder will arrange supervision and other requirement. Required tools, Tackles, other equipment will be arranged by Bidder. Please specify the details of the same in technical bid.

9. Recommended Spares:

Bidders have to specify recommended spares for two years with detail list and cost of each item separately. If any spares not consumed during 2 years period, than it may be replaced with consumed spares as per price specify in list. Difference amount may be paid or recovered as per total calculation.

10. After Sales Service:

During 1 Year of Guarantee Period, your engineer will attend the complaint within 2 working days free of cost.

12. Taxes & Duties:

- a) Statutory taxes shall be deducted at source from the Running Bills. Necessary TDS certificates will be provided by VGEL to the supplier.
- b) Any new taxes or duties levied or an increase in the rates of existing taxes levied by Central & State Governments or any local authority etc. shall be extra and shall be paid by VGEL.

13. Buy-Back Offer:

VGEL had installed Malvern make PSA and Metrohm make IC at COE. It is in working condition. Bidders are requested to submit their Buy-Back offer in Price bid. Decision for acceptance or rejection of Buy-Back offer will be purely decided by VGEL.

14. Important Note:

VGEL may issue separate Purchase Order of both Instrument i.e. PSA and IC to different party as per selected technical specifications and as per Centre of excellence Technical Team recommendations. Bidders have to accept this.

15. Training

Free Training for Operation of New Installed Instrument will be provided by bidders for 2 Days to VGEL Employee. Cost for the same should be Inclusive in offer.

16. Documentation:

IQ/OQ/PQ Documents of System is required with supply.

Section 4: Qualification & Technical Criteria

QUALIFICATION CRITERIA:

Sr. No	Description	Required	To be Confirmed by Supplier YES/NO
1	The bidder should have supplied these items to any Limited firms for similar capacity equipment.	Copy of order/certificate for supply of the same.	
2	Work/Supply Experience	Please attached separate sheet	
3	Acceptance of all the conditions fully and unconditionally	Copy of all the sections including blank pages of price bid duly signed and stamped on all the pages.	
4	Manufacturing details	Documents Regarding manufacturing capacity, Client List, etc. should be attach.	
5	Submission of EMD amount as per section:1 (Refundable)	DD or Banker's Cheque of amount mentioned in Section 1, In favor of "Vapi Green Enviro Limited."	Amount Rs.90,000/- DD or Banker's Cheque No.:.....
6	Submission of Tender Fee amount as per section:1 (Non-refundable)	Online OR DD or Banker's Cheque of amount mentioned in Section 1, In favor of "MSTC Limited" to be submitted to MSTC as per their Rules and guidance.	Amount Rs.4,500/- + 18% GST = Rs.5,310/- Online or DD or Banker's Cheque No.:.....

TECHNICAL SPECIFICATIONS:

(1) PSA (Particle Size Analyzer): Technical Specifications of PSA are mentioned below.

Mode: Suspensions, Emulsions, Dry powders

Principle: Laser Light Scattering (Laser diffraction) as per ISO13320.

Size analysis range: 0.01 microns to 3500 microns.

Data acquisition rate: 10 kHz

Typical measurement time: <10 sec

Optics

Red light source: Max. 4mW He-Ne, 632.8nm

Blue light source: Max. 10mW LED, 470nm

Lens arrangement: Reverse Fourier (convergent beam)

Effective focal length: 300mm

Detector

Arrangement: Log-spaced array

Angular range: 0.015 - 144 degrees

Alignment: Automatic

Size

Particle size: 0.01 - 3500 μm *

Number of classes: 100 (user adjustable)

Accuracy: Better than 0.6% **

Precision / Repeatability: Better than 0.5% variation *

Reproducibility: Better than 1% variation *

System compliance

Enables an operating mode that assists with ER/ES compliance

System:

Power: 100/240 v, 50/60 Hz 50W (no dispersion units connected) 200W maximum (2 dispersion units connected)

Humidity: 80% maximum for temperatures up to 31°C, decreasing linearly to 50% at 40°C. Non condensing.

Operating temperature: +5°C to +40°C

Product storage temperature: -20°C to +50°C

Additional requirement:

- System shall have either integrated dispersion tank or replaceable glass beakers for sample dispersion based on accessory available.
- The system shall have centrifugal pump for sample circulation.
- The system shall have inline ultrasonic for sample dispersion.

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- All software updates shall be without any additional cost for life time.
- Supplied software shall have advanced features like generation of trend graph, Refractive Index Optimization (optical property optimizer) and there is no any restriction in number of refractive index used for calculation.
- Software shall have feature (Artificial intelligence) to show data quality report.
- Software shall have feature to calculate custom diameters of interest and there should not be any restriction in assigning number of such diameters.
- NIST traceable standards shall be used for system verification and traceability certificate to be provided after system verification.
- 5 bottles of Glass Bead Standards will be supplied along with the system for secondary verification.
- Computer System with printer shall be included.
- Shall have adequate no of Service Engineers stationed in Gujrat State to provide after sales support.

(2) IC (Ion Chromatography): Technical Specifications of ION CHROMATOGRAPHY

Flow rate range: 0.001 to 20.000 mL/min

Flow rate accuracy < 0.1%

Flow rate reproducibility/Precision: 0.1% of Set Value

Pressure Ripples <1%

Pressure Range: 0-35 Mpa (0- 5000 psi) PEEK

Solvent compatibility: 0-100%

Microprocessor flow correction: Built in flow compensation for most precise solvent delivery

Noise :0.2nS

Solvent Compatibility 100%

Back Pressure :2.5MPa (363 psi)

Void Volume < 50 uL

Eluents: Carbonate, hydroxide, common HPLC solvents

Regeneration: Through Peristaltic Pump - Dual Channel with bidirection.

Six Port Injector Valve with 10uL Loop - Motorised operated through software

Conductivity Detector

Electronic type: Microprocessor controlled digital signal processing

Cell drive: 1.4 KHz

Resolution: 4.7 pS

Output range :0–15000 µS, digital or analog

Electronic noise <0.1nS

Baseline noise <0.2 nS/cm

Cell temperature: 20 to 50° C

Cell Temperature Stability < 0.001° C

Cell Pressure is max of 715psi

Cell Volume: 0.8uL

Temperature compensation: 0 to 5%/K, programmable

Both Anion & Cation shall be detected.

- (1) IQ/OQ/PQ Documents of System is required with supply.
- (2) Accessories: It should be inclusive
- (3) Demonstration: It should be inclusive
- (4) 2 Day Training: It should be inclusive at COE Site
- (5) Instrument should analyze Liquid and Solid both type Sample.

Bidder has to mention clearly scope of supply and Installation while quoting the rates. If required, please attach separate sheet. If required, please attach separate sheet. Bidder has to complete this type of supply at any other organization and PO/WO is required to attach with Scope of Supply and Installation. IQ/OQ/PQ Documents of System is required with supply.

Section 5: Price Bid

Sr. No.	Particulars	Unit	Total Amount in INR
1	PSA (Particle Size Analyzer) Instrument as per technical specifications mentioned at Section 4 of this tender documents. Bidder has to mention other technical specifications with details.	1 No.	
2	IC (Ion Chromatography) Instrument as per technical specifications mentioned at Section 4 of this tender documents. Bidder has to mention other technical specifications with details.	1 No.	
3	VGEL had installed Malvern make PSA at COE. It is in working condition. Bidders are requested to submit their Buy-Back offer here . Decision for acceptance or rejection of Buy-Back offer will be purely decided by VGEL.	1 No.	
4	VGEL had installed Metrohm make IC at COE. It is in working condition. Bidders are requested to submit their Buy-Back offer here . Decision for acceptance or rejection of Buy-Back offer will be purely decided by VGEL.	1 No.	
GRAND TOTAL Rs.			

Note: The bidder has to include all other charges, taxes, duties, transportation etc. while quoting rates and provide F.O.R. our site base price. Specify if any Taxes applicable in below table and mention whether they are “included” or “excluding” in the above quoted rates. If bidder will not specify in below table then it will be considered as included in basis price.

Details Required from Bidder	
GST	%
Other	%
Contact Person Name:	
Mobile Number:	
Email:	

- 1) VGEL has full right to derive a formula to bring all the bidders to a common denominator so as to compare the offers.
- 2) The price is inclusive of all the technical support during the installation including the transportation charges of the personnel involved. 1st year CMC charges should be inclusive in above price
- 3) The offer is being made after reading and accepting all the conditions fully and unconditionally. If the L1 bidder backs out after informing to take the offer on them, then VGEL will forfeit EMD amount and have right to impose a penalty of 5% of the total amount and the same will be deducted from the EMD amount and pending payments of the bidder available with VGEL. If no payment is pending / available with VGEL then the bidder will stand blacklisted and will be allowed to bid in VGEL only after he deposits the penalty money.
- 4) **Installation & Training:** Installation of the instrument and operational training for the same to be provided free of cost at site.
- 5) VGEL decision shall be final for essential parameters/desirable parameters and any changes need in this regard.

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VENDOR REGISTRATION FORM	
1	Name of Firm *
2	Name of Contact Person with Designation
3	Contact Person Mobile No.
4	Supplier / Contractor / Consultant / All Three *
5	Type of Vendor * [Regd. Manufacturer / Non Regd. Manufacturer / Regd. Distributer / Non Regd. Distributer / Transporter / Retailer / Service Provider / Other]
6	Branch [CETP, CSWP, COE, HO] *
7	Address 1 *
	Address 2
	Address 3
8	City * & PIN Code*
9	State *
10	Phone Nos. with Extension (if any) *
11	Mobile No. *
12	Fax No.
13	E-Mail ID. *
14	PAN No.
15	GST No.*
16	MSME Registration No. (Registered / Not Registered)*
17	P.F. Registration No. ** (For Labour Contractor Only)
18	ESIC Registration No. ** (For Labour Contractor Only)
19	Name of the Banker *
20	Bank Branch *
21	Bank Account No. *
22	RTGS/NEFT Ref. No. *
23	Performance
24	Remarks (if any)

- Marked are mandatory entry for Contractor without above data, form will not be accepted.
- If any details are not applicable / not available the please type "NA".
- Name of Firm (Sl.1) entered should be same as that registered in your bank as payment shall be same as per same. Please fill in CAPITAL LETTERS only.
- Please attach copy of PAN, GST Registration, MSME Registration, Gumasta Certificate, Cancel
- Cheque copy with your offer.

Prepared By Verified By Authorized By

Stamp & Signature of Bidder

Entered By

SIGN AND STAMP OF THE BIDDER

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