



Bid Number/बोली क्रमांक (बिड संख्या):
GEM/2024/B/4826240
Dated/दिनांक : 30-03-2024

Bid Document/ बिड दस्तावेज़

Bid Details/बिड विवरण	
Bid End Date/Time/बिड बंद होने की तारीख/समय	13-04-2024 14:00:00
Bid Opening Date/Time/बिड खुलने की तारीख/समय	13-04-2024 14:30:00
Bid Offer Validity (From End Date)/बिड पेशकश वैधता (बंद होने की तारीख से)	60 (Days)
Ministry/State Name/मंत्रालय/राज्य का नाम	Ministry Of Chemicals And Fertilizers
Department Name/विभाग का नाम	Department Of Chemicals And Petrochemicals
Organisation Name/संगठन का नाम	Hindustan Organic Chemicals Limited
Office Name/कार्यालय का नाम	Ambalamugal,ernakulam
Total Quantity/कुल मात्रा	1
Item Category/मद केटेगरी	DATALOGGER, CONTROL MODULE AND COMMUNICATION MODULE REQUIRED FOR GAS DATA MONITORING SYSTEM (ROCERS) (Q3)
Years of Past Experience Required for same/similar service/उन्हीं/समान सेवाओं के लिए अपेक्षित विगत अनुभव के वर्ष	3 Year (s)
MSE Exemption for Years Of Experience/अनुभव के वर्षों से एमएसई छूट/ and Turnover/टर्नओवर के लिए एमएसई को छूट प्राप्त है	Yes
Startup Exemption for Years Of Experience/अनुभव के वर्षों से स्टार्टअप छूट/ and Turnover/ टर्नओवर के लिए स्टार्टअप को छूट प्राप्त है	Yes
Document required from seller/विक्रेता से मांगे गए दस्तावेज़	Experience Criteria,Past Performance,Bidder Turnover,Certificate (Requested in ATC),OEM Authorization Certificate,Additional Doc 1 (Requested in ATC) *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
Past Performance/विगत प्रदर्शन	80 %
Bid to RA enabled/बिड से रिवर्स नीलामी सक्रिय किया	No
Type of Bid/बिड का प्रकार	Two Packet Bid

Bid Details/बिड विवरण

Time allowed for Technical Clarifications during technical evaluation/तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय	2 Days
Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)	No
Evaluation Method/मूल्यांकन पद्धति	Total value wise evaluation

EMD Detail/ईएमडी विवरण

Required/आवश्यकता	No
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ePBG Detail/ईपीबीजी विवरण

Required/आवश्यकता	No
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Splitting/विभाजन

Bid splitting not applied/बोली विभाजन लागू नहीं किया गया.

MII Purchase Preference/एमआईआई खरीद वरीयता

MII Purchase Preference/एमआईआई खरीद वरीयता	Yes
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MSE Purchase Preference/एमएसई खरीद वरीयता

MSE Purchase Preference/एमएसई खरीद वरीयता	Yes
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1. If the bidder is a Micro or Small Enterprise as per latest definitions under MSME rules, the bidder shall be exempted from the requirement of "Bidder Turnover" criteria and "Experience Criteria" subject to meeting of quality and technical specifications. If the bidder is OEM of the offered products, it would be exempted from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. In case any bidder is seeking exemption from Turnover / Experience Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer.
2. If the bidder is a Startup, the bidder shall be exempted from the requirement of "Bidder Turnover" criteria and "Experience Criteria" subject to their meeting of quality and technical specifications. If the bidder is OEM of the offered products, it would be exempted from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. In case any bidder is seeking exemption from Turnover / Experience Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer.
3. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for number of Financial years as indicated above in the bid document before the bid opening date. Copies of relevant contracts to be submitted along with bid in

support of having supplied some quantity during each of the Financial year. In case of bunch bids, the category of primary product having highest value should meet this criterion.

4. Preference to Make In India products (For bids < 200 Crore):Preference shall be given to Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a Class 1 local supplier is denoted in the bid document. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020. Only Class-I and Class-II Local suppliers as per MII order dated 4.6.2020 will be eligible to bid. Non - Local suppliers as per MII order dated 04.06.2020 are not eligible to participate. However, eligible micro and small enterprises will be allowed to participate .The buyers are advised to refer the OM No.F.1/4/2021-PPD dated 18.05.2023.

[OM No.1 4 2021 PPD dated 18.05.2023](#) for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017.

5. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15% (Selected by Buyer)of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for 25%(selected by Buyer) percentage of total QUANTITY.The buyers are advised to refer the OM No.F.1/4/2021-PPD dated 18.05.2023

[OM No.1 4 2021 PPD dated 18.05.2023](#) for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017.

6. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 80% of bid quantity, in at least one of the last three Financial years before the bid opening date to any Central / State Govt Organization / PSU / Public Listed Company. Copies of relevant contracts (proving supply of cumulative order quantity in any one financial year) to be submitted along with bid in support of quantity supplied in the relevant Financial year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.

DATALOGGER, CONTROL MODULE AND COMMUNICATION MODULE REQUIRED FOR GAS DATA MONITORING SYSTEM (ROCERS) (1 pieces)

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively/कमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक)

Technical Specifications/तकनीकी विशिष्टियाँ

Buyer Specification Document/क्रेता विशिष्टि दस्तावेज़	Download
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Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी and/ तथा Quantity/मात्रा

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी के दिन
1	VISHNU SURENDRAN	682302,HINDUSTAN ORGANIC CHEMICALS LTD, AMBALAMUGAL ERNAKULAM	1	15

Buyer Added Bid Specific Terms and Conditions/क्रेता द्वारा जोड़ी गई बिड की विशेष शर्तें

1. Generic

OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity by up to 25% of the contracted quantity during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly.

2. Generic

Bidder financial standing: The bidder should not be under liquidation, court receivership or similar proceedings, should not be bankrupt. Bidder to upload undertaking to this effect with bid.

3. Generic

Bidders are advised to check applicable GST on their own before quoting. Buyer will not take any responsibility in this regards. GST reimbursement will be as per actuals or as per applicable rates (whichever is lower), subject to the maximum of quoted GST %.

4. Generic

Bidder shall submit the following documents along with their bid for Vendor Code Creation:

- Copy of PAN Card.
- Copy of GSTIN.
- Copy of Cancelled Cheque.
- Copy of EFT Mandate duly certified by Bank.

5. Generic

Data Sheet of the product(s) offered in the bid, are to be uploaded along with the bid documents. Buyers can match and verify the Data Sheet with the product specifications offered. In case of any unexplained mismatch of technical parameters, the bid is liable for rejection.

6. Generic

Experience Criteria: The Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for 2 years before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the year. In case of bunch bids, the primary product having highest value should meet this criterion.

7. Generic

Manufacturer Authorization: Wherever Authorised Distributors/service providers are submitting the bid, Authorisation Form /Certificate with OEM/Original Service Provider details such as name, designation,

address, e-mail Id and Phone No. required to be furnished along with the bid

8. Generic

Supplier shall ensure that the Invoice is raised in the name of Consignee with GSTIN of Consignee only.

9. Generic

1. The Seller shall not assign the Contract in whole or part without obtaining the prior written consent of buyer.
2. The Seller shall not sub-contract the Contract in whole or part to any entity without obtaining the prior written consent of buyer.
3. The Seller shall, notwithstanding the consent and assignment/sub-contract, remain jointly and severally liable and responsible to buyer together with the assignee/ sub-contractor, for and in respect of the due performance of the Contract and the Sellers obligations there under.

10. Generic

Without prejudice to Buyer's right to price adjustment by way of discount or any other right or remedy available to Buyer, Buyer may terminate the Contract or any part thereof by a written notice to the Seller, if:

- i) The Seller fails to comply with any material term of the Contract.
- ii) The Seller informs Buyer of its inability to deliver the Material(s) or any part thereof within the stipulated Delivery Period or such inability otherwise becomes apparent.
- iii) The Seller fails to deliver the Material(s) or any part thereof within the stipulated Delivery Period and/or to replace/rectify any rejected or defective Material(s) promptly.
- iv) The Seller becomes bankrupt or goes into liquidation.
- v) The Seller makes a general assignment for the benefit of creditors.
- vi) A receiver is appointed for any substantial property owned by the Seller.
- vii) The Seller has misrepresented to Buyer, acting on which misrepresentation Buyer has placed the Purchase Order on the Seller.

11. Generic

While generating invoice in GeM portal, the seller must upload scanned copy of GST invoice and the screenshot of GST portal confirming payment of GST.

12. Scope of Supply

Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods

13. Purchase Preference (Centre)

Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15% of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for percentage of 25% of total value.

14. Purchase Preference (Centre)

Purchase Preference linked with Local Content (PP-LC) Policy:

The bid clause regarding "Preference to Make In India products" stands modified in this bid and shall be governed by the PPLC Policy No. FP-20013/2/2017-FP-PNG dated 17.11.2020 issued by MoP&NG as amended up to date. Accordingly, bidders with Local Content less than or equal to 20% will be treated as

“Non Local Supplier”. The prescribed LC shall be applicable on the date of Bid opening. Sanctions on the bidders for false / wrong declaration or not fulfilling the Local Content requirement shall be as per the PPLC policy. Further following additional provisions are added in the certification and verification of local content provision of the Preference to Make in India clause:

- i. In case of foreign bidder, certificate from the statutory auditor or cost auditor of their own office or subsidiary in India giving the percentage of local content is also acceptable. In case office or subsidiary in India does not exist or Indian office/subsidiary is not required to appoint statutory auditor or cost auditor, certificate from practicing cost accountant or practicing chartered accountant giving the percentage of local content is also acceptable.
- ii. Along with Each Invoice: The local content certificate (issued by statutory auditor on behalf of procuring company) shall be submitted along with each invoice raised. However, the % of local content may vary with each invoice while maintaining the overall % of local content for the total work/purchase of the pro-rata local content requirement. In case, it is not satisfied cumulatively in the invoices raised up to that stage, the supplier shall indicate how the local content requirement would be met in the subsequent stages.
- iii. The bidder shall submit an undertaking from the authorized signatory of bidder having the Power of Attorney along with the bid stating the bidder meets the mandatory minimum LC requirement and such undertaking shall become a part of the contract.

15. **Certificates**

Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.

16. **Certificates**

Material Test Certificate Should Be Sent Along with The Supply. The Material Will Be Checked by Buyer's Lab & the Results of the Lab will be the Sole Criteria for Acceptance of the Item.

17. **Certificates**

The bidder is required to upload, along with the bid, all relevant certificates such as BIS licence, type test certificate, approval certificates and other certificates as prescribed in the Product Specification given in the bid document.

18. **Certificates**

To be eligible for award of contract, Bidder / OEM must possess following Certificates / Test Reports on the date of bid opening (to be uploaded with bid):

Test & Guarantee certificates should be submitted along with supply.

19. **Past Project Experience**

Proof for Past Experience and Project Experience clause: For fulfilling the experience criteria any one of the following documents may be considered as valid proof for meeting the experience criteria:a. Contract copy along with Invoice(s) with self-certification by the bidder that service/supplies against the invoices have been executed.b. Execution certificate by client with contract value.c. Any other document in support of contract execution like Third Party Inspection release note, etc.**Proof for Past Experience and Project Experience clause:** For fulfilling the experience criteria any one of the following documents may be considered as valid proof for meeting the experience criteria:a. Contract copy along with Invoice(s) with self-certification by the bidder that service/supplies against the invoices have been executed.b. Execution certificate by client with contract value.c. Any other document in support of contract execution like Third Party Inspection release note, etc.

20. **Past Project Experience**

The Bidder / OEM {themselves or through reseller(s)}, should have executed project for supply and installation / commissioning of same or similar Category Products during preceding 3 financial years (i.e. current year and three previous financial years) as on opening of bid, as per following criteria:

- (i) Single order of at least 35% of estimated bid value; or

(ii) Two orders of at least 20% each of estimated bid value; or

(iii) Three orders of at least 15% each of estimated bid value.

Satisfactory Performance certificate issued by respective Buyer Organization for the above Orders should be uploaded with bid. In case of bunch bids, the Category related to primary product having highest bid value should meet this criterion

21. **Buyer Added Bid Specific ATC**

Buyer Added text based ATC clauses

Specification sheet, Commercial Terms, Bid security declaration, Compliance form for land border as per given annexures should be filled, signed and submitted.

22. **Buyer Added Bid Specific ATC**

Buyer uploaded ATC document [Click here to view the file.](#)

Disclaimer/अस्वीकरण

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization, whereby Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any eccentricity / restriction arising in the bidding process due to these ATCs and due to modification of technical specifications and / or terms and conditions governing the bid. Any clause(s) incorporated by the Buyer regarding following shall be treated as null and void and would not be considered as part of bid:-

1. Definition of Class I and Class II suppliers in the bid not in line with the extant Order / Office Memorandum issued by DPIIT in this regard.
2. Seeking EMD submission from bidder(s), including via Additional Terms & Conditions, in contravention to exemption provided to such sellers under GeM GTC.
3. Publishing Custom / BOQ bids for items for which regular GeM categories are available without any Category item bunched with it.
4. Creating BoQ bid for single item.
5. Mentioning specific Brand or Make or Model or Manufacturer or Dealer name.
6. Mandating submission of documents in physical form as a pre-requisite to qualify bidders.
7. Floating / creation of work contracts as Custom Bids in Services.
8. Seeking sample with bid or approval of samples during bid evaluation process.
9. Mandating foreign / international certifications even in case of existence of Indian Standards without specifying equivalent Indian Certification / standards.
10. Seeking experience from specific organization / department / institute only or from foreign / export experience.
11. Creating bid for items from irrelevant categories.
12. Incorporating any clause against the MSME policy and Preference to Make in India Policy.
13. Reference of conditions published on any external site or reference to external documents/clauses.
14. Asking for any Tender fee / Bid Participation fee / Auction fee in case of Bids / Forward Auction, as the case may be.

Further, if any seller has any objection/grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

[This Bid is also governed by the General Terms and Conditions/ यह बिड सामान्य शर्तों के अंतर्गत भी शासित है](#)

In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws./जेम की सामान्य शर्तों के खंड 26 के संदर्भ में भारत के साथ भूमि सीमा साझा करने वाले देश के बिडर से खरीद पर प्रतिबंध के संबंध में भारत के साथ भूमि सीमा साझा करने वाले देश का कोई भी बिडर इस निविदा में बिड देने के लिए तभी पात्र होगा जब वह बिड देने वाला सक्षम प्राधिकारी के पास पंजीकृत हो।बिड में भाग लेते समय बिडर को इसका अनुपालन करना होगा और कोई भी गलत घोषणा किए जाने व इसका अनुपालन न करने पर अनुबंध को तत्काल समाप्त करने और कानून के अनुसार आगे की कानूनी कार्रवाई का आधार होगा।

---Thank You/धन्यवाद---



हिंदुस्तानऑर्गेनिककेमिकल्सलिमिटेड

HINDUSTAN ORGANIC CHEMICALS LTD

(भारतसरकारकाउद्यम A Government of India Enterprise)

अंबलमुगल,कोची AMBALAMUGAL, COCHIN – 682 302

दूरभाष Phone: (0484) 2720911, www.hoclindia.com

**SPECIFICATIONS FOR DATALOGGER, CONTROL MODULE AND COMMUNICATION MODULE
REQUIRED FOR GAS DATA MONITORING SYSTEM (ROCERS)**

- Signal input type: current 4 to 20 mA (From gas detector, 3 wire type, 24V DC power)
- Terminal Inputs: suitable for 4-20mA current signal
- Range:0-100 %LEL
- Accuracy: +/- 0.1% of reading.
- Re-ranging:Programmable type.
- Number of input channels:8
- Number of digital output for alarm:8
- Alarm setting :programmable type
- Contact type: NO, C,NC for each channel.
- Contact output voltage current rating: 24 VDC, 2A
- Data logger Software: Required, vendor to provide the details.
- System Configuration backup and restore shall be possible through the supplied software.
- The data shall be sendthrough FTP as per the format provided by Department of Factories and Boilers, Govt. of Kerala. The format and instructions are attached as **Annexure-1**.
- Data logger case material: powder coated aluminum
- Enclosure mounting: Inside control room
- Control room temperature:15°C to 40°C
- Mounting: Wall mounting type
- Enclosure dimensions are to be provided by the vendor.
- Power, signal and control cables shall be with cable glands on enclosure.
- Power supply to the panel: 110 VAC ,50HZ UPS (HOCL scope)

- All power supply units required for the system and accessories shall be supplied by the vendor. Power supply shall be suitable for industrial control system use and compliance to safety and EMC standards.
- Communication port required on data logger for monitoring and configuring the system with PC/ Laptop, provided by HOCL.
- Data logger connectivity with PC/ Laptop, provided by HOCL, is required and communication cables required for this purpose need to be supplied by the vendor.
- Data logger internal memory: shall be designed suitably to meet the minimum data logging duration with the specified sample rate and number of input channels specified.
- Data logging duration minimum: 730 days with all channels at specified sampling rate.
- Sampling rate: 1 minute
- Data retrieval: Reports in **excel formats** shall be available.
- Signal input data display in PC/Laptop dashboard, provided at HOCL site, shall be available.
- Real time clock: with battery backup is required.
- Installation & commissioning at HOCL site is to be completed by the vendor.
- Establishing the supplied system (Data Logger) connectivity with 'ROCERS' online monitoring system at Factories and Boilers Department, Govt. of Kerala shall be in vendors scope.
- Technical Manuals and relevant drawings are to be supplied along with the bid.
- Test and guarantee certificates shall be provided along with the supply of item.

The detailed specifications are as follows:

DATALOGGER

1. Data Sampling Rate : 1000 Hz
2. Analog Input Channels : 8 Numbers
3. Provision for connecting 8 Numbers of 4-20mA Signals.
4. Analog Input Range: The data logger should have multiple input ranges along with "Auto Ranging" facility to measure the sensors accurately without any loss of accuracy. Analog Resolution : 0.05 Micro Voltage

5. Analog Input Accuracy : Voltage measurement accuracy no less than $\pm(0.04\%$ of reading + offset) over temperature range of 0° to 40°C , no less than $\pm(0.06\%$ of reading + offset) over temperature range of -40° to 70°C .
6. Voltage Excitation: independently configurable voltage sources
7. Digital: At least eight ports configurable for digital output including status high/low.
8. Resistive Ground; resistance-to-ground inputs that can be used for non-isolated 0-20 mA and 4-20 mA current loop measurements or for terminating the ground reference of an RS-485 serial connection.
9. Analog to Digital Conversion Bits : 24 Bit or Better
10. Analog to Digital Conversion Accuracy ± 1 LSB
11. Minimum Parameters to be recorded for Each Channel: Average, Standard Deviation, Minimum, Maximum.
12. The DCP should have watchdog timer to reset the system and restore the previous set-up case of microprocessor resets and power glitch.
13. The normal time clock of the system should be derived from TCXO with accuracy of 3.0 ppm/yr.
14. In addition, the system should also have battery backed real time clock so that the time is updated even during power failure.
15. Communication Interface : USB: Micro-B, RS-232, RJ-45: Ethernet
16. Communication Protocols: SDI-12, Modbus, RTU/ASCII/TCP, DNP3, NTCIP, NMEA 0183, I2C, SPI, Custom user definable over serial, TCP, UDP.
17. Communication port (for configuration) : Ethernet port/SD card/USB port/Device key pad
18. Real Time Data Acquisition Mode : Through Local Intranet and RS485 Mode
19. Data Storage Expansion: Removable micro SD Flash memory; up to 16 GB
20. Data File Formats: CSV, XML, custom user definable.
21. Short circuit and over load protection.
22. Temperature Range: 15 to 40°C . Operating Humidity Range : 0 to 100% relative humidity non-condensing
23. Voltage Input Protection: Reverse polarity protected; overvoltage protected.

GPRS COMMUNICATION MODULE

- Data logger shall have the facility of remote connectivity using GPRS modem.
- Network operator should be suggested by the vendor according to the network availability site by site.
- Systems should also be accessible from any location on internet running computer with the compatible software.
- Inbuilt GPRS Modem in data logger is not acceptable.
- Network Technology 4G (with automatic fallback to 3G)
- It should also be possible to connect the system using smart phone application.
- Smartphone application should have facility of retrieving old data, viewing real time data and uploading program file through smart phone application.
- At data receiving center, a real time data display in graphical and digital mode to be provided.

POWERSUPPLY

- Proper AC to DC Convertor
- Suitable Charge Controller Device

MOUNTING ENCLOSURE

- Weather-Resistant Enclosure. Includes suitable for data logger with a power supply and one or more peripherals. Have reflects solar radiation, reducing temperature gradients inside the enclosure.

Annexure-1

The instructions and format for sending data to Department of Factories and boilers, Govt. of Kerala.

1. Data may be sent to the FTP address provided in .csv format.
2. Station name, yyy-mm-ddhh:mm:ss, tag no., location, latitude, longitude, measured value, %LEL.
3. File should start at 00.00.00 hrs on any day and end at 24.00.00 hrs and fresh file should start next day.
4. Data should be appended every 30 seconds or 1 minute, appending itself in the same file for the day.
5. File naming convention as below:
 HOCL-LPG sensor_YYYY-MM-DD.csv
6. STATIC IP ADDRESS: 59.92.234.50
7. User name, folder and details will be provided.
8. Sample format for data (example only) :

HOCL,2023-03-15 08:44:56,LPGDETECTOR 1, SPHERE NE CORNER,9.97042145,76.38184,000000.00,%LEL
HOCL,2023-03-15 08:44:56,LPG DETECTOR 2, SPHERE NW CORNER, 9.97042145,76.38184,000000.00,%LEL
HOCL,2023-03-15 08:44:56,LPG DETECTOR 3, BULLET SW CORNER, 9.97042145,76.38184,000000.00,%LEL
HOCL,2023-03-15 08:44:56,LPG DETECTOR 4, BULLET SE CORNER, 9.97042145,76.38184,000000.00,%LEL
Comments: Station name, yyyy-mm-ddhh:mm:ss, tag no,location, latitude, longitude, measured value,
%LEL (name-specification-gastype-yyyy-mm-dd).



हिंदुस्तान ऑर्गेनिक केमिकल्स लिमिटेड HINDUSTAN ORGANIC CHEMICALS LTD
(भारत सरकार का उद्यम Government of India Enterprise)
अंबलमुगल, कोची AMBALAMUGAL, COCHIN – 682 302
दूरभाष Phone: (0484) 2720911, www.hoclindia.com

MAT/PUR/70819/24

30.03.2024

M/s.
Dear Sir,

Hindustan Organic Chemicals Ltd. is a Govt. of India Undertaking manufacturing Phenol, Acetone & Hydrogen Peroxide at its plant at Kochi, Kerala, India. HOCL invites e tenders: **DATA LOGGER, CONTROL MODULE AND COMMUNICATION MODULE FOR GAS DATA MONITORING SYSTEM (ROCERS) - REFER SPEC. SHEET.**

You may submit your offer online before the due date and time specified.

Thanking you,

Yours faithfully,
For Hindustan Organic Chemicals Ltd.

B Balachandran
GM (Materials)

SPECIFICATION

Sl. No	ITEM DESCRIPTION	QTY
1	<p>SPECIFICATIONS FOR DATALOGGER, CONTROL MODULE AND COMMUNICATION MODULE REQUIRED FOR GAS DATA MONITORING SYSTEM (ROCERS). The detailed data sheet is attached.</p> <ul style="list-style-type: none"> • Signal input type: current 4 to 20 mA (From gas detector, 3 wire type, 24V DC power) • Terminal Inputs: suitable for 4-20mA current signal • Range:0-100 %LEL • Accuracy: +/- 0.1% of reading. • Re-ranging:Programmable type. • Number of input channels:8 • Number of digital output for alarm:8 • Alarm setting :programmable type • Contact type: NO, C,NC for each channel. • Contact output voltage current rating: 24 VDC, 2A • Data logger Software: Required, vendor to provide the details. • System Configuration backup and restore shall be possible through the supplied software. • The data shall be send through FTP as per the format provided by Department of Factories and Boilers, Govt. of Kerala. The format and instructions are attached as Annexure-A. • Data logger case material: powder coated aluminum • Enclosure mounting: Inside control room • Control room temperature:15°C to 40°C • Mounting: Wall mounting type • Enclosure dimensions are to be provided by the vendor. • Power, signal and control cables shall be with cable glands on enclosure. • Power supply to the panel: 110 VAC ,50HZ UPS (HOCL scope) • All power supply units required for the system and accessories shall be supplied by the vendor. Power supply shall be suitable for industrial control system use and compliance to safety and EMC standards. • Communication port required on data logger for monitoring and configuring the system with PC/ Laptop, provided by HOCL. • Data logger connectivity with PC/ Laptop, provided by HOCL, is required and communication cables required for this purpose need to be supplied by the vendor. • Data logger internal memory: shall be designed suitably to meet the minimum data logging duration with the specified sample rate and number of input channels specified. • Data logging duration minimum:730 days with all channels at specified sampling rate. • Sampling rate: 1 minute • Data retrieval: Reports in excel formats shall be available. • Signal input data displayin PC/Laptop dashboard, provided at HOCL site, shall be available. • Real time clock: with battery backup is required. • Installation& commissioning at HOCL site is to be completed by the vendor. • Establishing the supplied system (Data Logger) connectivity with ‘ROCERS’ online monitoring system at Factories and Boilers Department, Govt. of Kerala shall be in vendors scope. • Technical Manuals and relevant drawings are to be supplied along with the bid. • Test and guarantee certificates shall be provided along with the supply of item. • The detailed specifications are as follows: <p><u>DATALOGGER</u></p> <ol style="list-style-type: none"> 1. Data Sampling Rate : 1000 Hz 2. Analog Input Channels : 8 Numbers 3. Provision for connecting 8 Numbers of 4-20mA Signals. 4. Analog Input Range: The data logger should have multiple input ranges along with “Auto Ranging” facility to measure the sensors accurately without any loss of accuracy. Analog Resolution : 0.05 Micro Voltage 	1 No.

5. Analog Input Accuracy : Voltage measurement accuracy no less than $\pm(0.04\%$ of reading + offset) over temperature range of 0° to 40°C , no less than $\pm(0.06\%$ of reading + offset) over temperature range of -40° to 70°C .
6. Voltage Excitation: independently configurable voltage sources
7. Digital: At least eight ports configurable for digital output including status high/low.
8. Resistive Ground; resistance-to-ground inputs that can be used for non-isolated 0-20 mA and 4-20 mA current loop measurements or for terminating the ground reference of an RS-485 serial connection.
9. Analog to Digital Conversion Bits : 24 Bit or Better
10. Analog to Digital Conversion Accuracy +/-1 LSB
11. Minimum Parameters to be recorded for Each Channel:Average,Standard Deviation,Minimum, Maximum.
12. The DCP should have watchdog timer to reset the system and restore the previous set-up case of microprocessor resets and power glitch.
13. The normal time clock of the system should be derived from TCXO with accuracy of 3.0 ppm/yr.
14. In addition, the system should also have battery backed real time clock so that the time is updated even during power failure.
15. Communication Interface : USB: Micro-B, RS-232, RJ-45: Ethernet
16. Communication Protocols: SDI-12, Modbus, RTU/ASCII/TCP, DNP3, NTCIP, NMEA 0183, I2C, SPI, Custom user definable over serial, TCP, UDP.
17. Communication port (for configuration) : Ethernet port/SD card/USB port/Device key pad
18. Real Time Data Acquisition Mode : Through Local Intranet and RS485 Mode
19. Data Storage Expansion: Removable micro SD Flash memory; up to 16 GB
20. Data File Formats: CSV, XML,custom user definable.
21. Short circuit and over load protection.
22. Temperature Range: 15 to 40° C. Operating Humidity Range : 0 to 100% relative humidity non-condensing
23. Voltage Input Protection: Reverse polarity protected; overvoltage protected.

GPRS COMMUNICATION MODULE

- Data logger shall have the facility of remote connectivity using GPRS modem.
- Network operator should be suggested by the vendor according to the network availability site by site.
- Systems should also be accessible from any location on internet running computer with the compatible software.
- Inbuilt GPRS Modem in data logger is not acceptable.
- Network Technology 4G (with automatic fallback to 3G)
- It should also be possible to connect the system using smart phone application.
- Smartphone application should have facility of retrieving old data, viewing real time data and uploading program file through smart phone application.
- At data receiving center, a real time data display in graphical and digital mode to be provided.

POWERSUPPLY

- Proper AC to DC Convertor
- Suitable Charge Controller Device

MOUNTING ENCLOSURE

- Weather-Resistant Enclosure. Includes suitable for data logger with a power supply and one or more peripherals. Have reflects solar radiation, reducing temperature gradients inside the enclosure.

NOTE:

1. Test & Guarantee certificates should be submitted along with supply.

Annexure-A**The instructions and format for sending data to Department of Factories and boilers, Govt. of Kerala.**

1. Data may be sent to the FTP address provided in .csv format.
2. Station name, yyy-mm-ddhh:mm:ss, tag no., location, latitude, longitude, measured value, %LEL.
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HOCL,2023-03-15 08:44:56,LPG DETECTOR 4, BULLET SE CORNER, 9.97042145,76.38184,000000.00,%LEL
Comments: Station name, yyyy-mm-ddhh:mm:ss, tag no,location, latitude, longitude, measured value, %LEL (name-specification-gastype-yyyy-mm-dd).

ANNEXURE II**GENERAL TERMS AND CONDITIONS FOR E BID SUBMISSION**

Please submit your e-bids conforming to the specifications and the terms and conditions attached as per instructions given below:-

1. The bid shall contain as integral part of the same the following compliance statement: "We have read, understood and accepted the terms and conditions of purchase and related documents forming part of this enquiry and agree to supply the goods in compliance with the same."
2. Bidders should carefully study the documents of this enquiry. All terms and conditions set out there in the enquiry shall be binding on the bidders unless conflicting with any terms and conditions expressly stated by HOCL while accepting any bid, in the event of such acceptance.
3. Bids shall be valid for a minimum of 60 days from the due date for receipt and opening of the bids.
4. Specification of the Product: Specifications offered product shall be uploaded along with technical bid.
5. Payment terms shall be: GeM standard Payment terms (within 10 days).
6. Tenderer should agree for inspection of material at their site, if desired by HOCL. The inspection may be carried out by the representative of HOCL or by a third party or jointly.
7. The Tenderer must specify their GSTIN No & HSN code of material offered in the BID
8. The successful tenderer shall, if so desired by HOCL, deposit an amount equivalent to 5% of the value of order as security deposit within 21 days of the order towards satisfactory execution of the order. No interest will be paid on this amount by HOCL.
9. Delivery will be as per delivery schedule given by HOCL.
10. Manufacturers test certificate in original or attested, guarantee certificates in original, drawings in original etc. as applicable shall be provided along with the supply.
11. Tenderer may attach necessary catalogues/drawings/detailed specifications of the items wherever required. Also clearly specify the make/model of the item offered.
12. Purchase preferences, EMD/SD Exemption etc for PSUs/SSI units etc will be applicable as per GOI directives from time to time. For this, the tenderer should claim their eligibility along with the supporting documents in their offer itself.
13. Restriction on procurement from Bidder who shares the land border with India
 - a. Any bidder from a country which shares a land border with India will be eligible to bid, only if the bidder is registered with the Department for promotion of Industry and Internal Trade (DPIIT). (Pl. refer office Memorandum no. 6/18/2019-PPD dated 23rd July 2020) Such bidders should submit the valid copy of registration certificate along with tender. However the said requirement of registration will not be applicable to bidders from those country to which Govt. of India has extended lines of credit or in which Govt. of India is engaged in development of projects. Bidders may appraise themselves of the updated lists of such countries available in the website of Ministry of External Affairs.
 - b. All Bidders shall furnish compliance certificate with respect to above clause as per the format in Annexure VI along with the bid.

14. The GeM standard term for delivery, payment and price is as follows:

- i. GeM Std. Payment terms: 100% payment will be released within 10 days of issue of consignee receipt-cum-acceptance certificate (CRAC) and submission of bills.
- ii. Delivery : Free Delivery at Site basis including loading/unloading.
- iii. Price: Quoted price is all inclusive (i.e., freight, taxes and duties etc.)

Pls. note that no deviation is allowed in the above terms, So please ensure that the rate quoted against GeM tender is all inclusive value i.e inclusive of all taxes and duties and on delivered basis and also the payment term shall be within 10 days from the date of receipt & acceptance of material at site.

Eligibility criteria for participating in the bid.

Offers of bidders who satisfy the following Eligibility Criteria only will be considered .

- a) Vendor should submit Balance sheet of last 3 financial Years.
- b) Vendor should have upload work order copies of Minimum 3 Nos of Reputed Customers preferably PSUs/Govt. Organisations for similar items
- c) Repeat works order copies or satisfactory performance certificates issued by reputed organizations preferably PSUs for similar items
- d) Client list

Vendor should provide documentary evidences for all the above along with the Technical Bid. HOCL registered vendors are exempted from furnishing above document as in point nos a to d.

COMMERCIAL TERM FORMAT

(Please fill up the details mentioned below in your letter head and upload along with your bid)

FOR OFFERS THROUGH GEM PORTAL (AS PER GEM STANDARD TERMS AND CONDITIONS ONLY, NO DEVIATION WILL BE ALLOWED)

PAYMENT TERM IS WITHIN 10 DAYS OF RECEIPT AND ACCEPTANCE OF MATERIAL AT SITE

RATE QUOTED SHOULD BE INCLUSIVE OF GST AND FREIGHT CHARGES TO DELIVER THE MATERIAL AT SITE

Sl.No	DETAILS REQUIRED	
1	Name and Address of Organization	
2	Phone No	
3	GSTIN	
4	E-mail id for correspondence	
5	Contact Person Name and Mobile No	
6	Whether registered with MSME/NSIC (If so pl. enclose documentary proof):	
7	Validity of offer	
8	Delivery period	
9	Certificates provided along with supply, if any	
10	Deviation in specification ,if any	
I/We here by confirm that, I/We have not been blacklisted in the past by any Public Sector Undertakings/ Government organizations.		
<p><u>Signature and Stamp</u></p>		

(KINDLY FILL THIS SHEET AND SUBMIT IN -COMMERCIAL/TECHNICAL BID)

Name of Bidder:		
Sr. No.	Commercial Clauses	Bidder Confirmation (Please put ✓ in front of your confirmation)
1	Whether bidder (a proprietary concern, Partnership Firm, Company) is currently on holiday list/black list/de-listed or has been put on holiday/blacklisted/de-listed at any PSU/govt. Organization. If so, give details.	<input type="checkbox"/> Yes, We are on holiday List/Black List/De-List <input type="checkbox"/> No
2i	Whether the party is registered under Micro/Small/Medium Enterprises act 2006 (Please furnish the proof)	<input type="checkbox"/> Micro <input type="checkbox"/> Medium <input type="checkbox"/> Small <input type="checkbox"/> No
2-ii	Status of MSE Bidder	<input type="checkbox"/> Manufacturer <input type="checkbox"/> Services <input type="checkbox"/> Not Applicable
2-iii	Whether MSE bidder is offering product manufactured by him/her	<input type="checkbox"/> Yes <input type="checkbox"/> No
3i	All MSE bidders shall register / declare their UAM Number on CPP Portal and copy of this registration / declaration shall be attached with the offer; failing which such bidders will not be able to enjoy benefits as per PP Policy for MSME order, 2012. <u>SSI/MSME/NSIC/UAM /DIC registration certificate</u>	<input type="checkbox"/> Mention UAM Number <input type="checkbox"/> Not Applicable
3-ii	Submitted valid document against clause no 3i	<input type="checkbox"/> Submitted <input type="checkbox"/> Not Applicable
4i	Whether the proprietor of "MSME" enterprise is from SC/ST category (Please attach caste certificate issued by competent authority)	<input type="checkbox"/> Yes <input type="checkbox"/> No
4ii	Whether the proprietor of "MSME" enterprise is woman (i.e. Woman proprietorship, or holding minimum 51% shares in case of Partnership/Private Limited Companies)	<input type="checkbox"/> Yes <input type="checkbox"/> No
4iil	Submitted certificate against clause no 4ii	<input type="checkbox"/> Submitted <input type="checkbox"/> Not Applicable
5	AGREED TO ALL TERMS AND CONDITIONS OF ENQUIRY: It is hereby stated that the quotation/offer submitted is in full compliance with the documents issued against the enquiry and also further confirmed that there is no deviation from all the terms and conditions as per the enquiry. Non-acceptance or deviation to HOCL's standard terms and conditions mentioned in enquiry documents may lead to rejection of offer, no correspondence shall be done for clarifications	<input type="checkbox"/> Agreed <input type="checkbox"/> Not Agreed
DATE:SIGN AND STAMP OF BIDDER		

BID SECURITY DECLARATION

ANNEXURE TO BE SUBMITTED ALONG WITH THE BID AGAINST TENDER NO _____

I/We.....hereby declare that:

1. I will not revoke the tender within the stipulated period/ validity period OR increase the quoted rates.
2. I will commence the work on receipt of Purchase Order.
3. I will not withdraw or amend the tender or impair or derogate from the tender in any respect within the period of validity of the tender.
4. I will furnish the required performance security within the specified period.

NAME AND ADDRESS OF THE BIDDER

PLACE:

DATE:

SIGNATURE AND STAMP OF THE BIDDER

**COMPLIANCE TO CLAUSE W.R.T MANADATORY REGISTRATION OF VENDORS FROM COUNTRIES
SHARING LAND BORDER WITH INDIA,WITH DPIIT**

Date:

TO WHOMSOEVER IT MAY CONCERNS

"I have read The clause titled restrictions on procurement from a bidder of a country which shares a land border with India.

I certify that M/s.....(Name Bidder) is not from such a country

Or .

I hereby certify that M/s.(name of Bidder) is from a country which shares land border with India and fulfills all requirements in this regard and is eligible to be considered. Enclosed herewith Valid Registration Certificate

Or

I hereby certify that M/s..... (Name of Bidder) is from such a country which shares land border with India , however the said requirement of registration will not be applicable to bidders as Govt. of India has extended lines of credit or in which Govt. of India is engaged in development of projects. Enclosed herewith documentary evidence in this regards

We confirm that if it is established that we have provided any false information in pursuance to above clause, while competing for this contract then our Bid shall be rejected.

We further confirms that, if it is established that we have not complied with terms of aforesaid clause, during execution of contract, this would be a sufficient ground for immediate termination of the contract as per tender provision and shall be dealt accordingly

Name of the Bidder

Stamp & Signature of the Bidder