



Bid Number/बोली क्रमांक (बिड संख्या):  
GEM/2023/B/3680601  
Dated/दिनांक : 12-07-2023

### Bid Document/ बिड दस्तावेज़

Bid Details/बिड विवरण	
Bid End Date/Time/बिड बंद होने की तारीख/समय	26-07-2023 14:00:00
Bid Opening Date/Time/बिड खुलने की तारीख/समय	26-07-2023 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	VIBRATION ANALYZER
BOQ Title/बीओक्यू शीर्षक	VIBRATION ANALYZER
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/	Yes
Startup Exemption for Years of Experience and Turnover/ अनुभव के वर्षों से स्टार्टअप छूट	No
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),Compliance of BoQ specification and supporting document *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**

<b>Time allowed for Technical Clarifications during technical evaluation/तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय</b>	2 Days
<b>Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)</b>	No
<b>Evaluation Method/मूल्यांकन पद्धति</b>	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. 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.
3. 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 .In case Buyer has selected Purchase preference to Micro and Small Enterprises clause in the bid, the same will get precedence over this clause.

4. 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.

5. Estimated Bid Value indicated above is being declared Bid solely for the purpose of guidance on EMD amount and for determining the Eligibility Criteria related to Turn Over, Past Performance and Project / Past Experience etc. This has no relevance or bearing on the price to be quoted by the bidders and is also not going to have any impact on bid participation. Also this is not going to be used as a criteria in determining reasonableness of quoted prices which would be determined by the buyer based on its own assessment of reasonableness and based on competitive prices received in Bid / RA process.

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.

## **VIBRATION ANALYZER**

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

### **Technical Specifications/तकनीकी विशिष्टियाँ**

<b>Specification Document</b>	<a href="#">View File</a>
<b>BOQ Detail Document</b>	<a href="#">View File</a>

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

**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	Abhilash M S	682302,HINDUSTAN ORGANIC CHEMICALS LTD, AMBALAMUGAL ERNAKULAM	1	30

## 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

Actual delivery (and Installation & Commissioning (if covered in scope of supply)) is to be done at following address

HINDUSTAN ORGANIC CHEMICALS LTD  
Post Bag: No: 18,  
Ambalamugal P. O.,  
Ernakulam Dist,  
Kerala - 682 302, India

### 3. 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.

### 4. 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 %.

### 5. 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.

### 6. 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.

7. **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 3 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.

8. **Generic**

Installation, Commissioning, Testing, Configuration, Training (if any - which ever is applicable as per scope of supply) is to be carried out by OEM / OEM Certified resource or OEM authorised Reseller.

9. **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

10. **Generic**

Scope of supply includes Training: Number of employees to be trained

25

, Place for Training

HOCL TRAINING HOUSE

and Duration of training

2

days.

11. **Generic**

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

12. **Generic**

The successful bidder has to supply all essential accessories required for the successful installation and commissioning of the goods supplied. Besides standard accessories as per normal industry practice, following accessories must be part of supply and cost should be included in bid price:

COST SHALL BE INCLUSIVE OF ALL NECESSARY SPARES AND ACCESSORIES REQUIRED FOR INSTALLATION AND COMMISSIONING

.

13. **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.

14. **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.

**15. 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.

**16. Scope of Supply**

Scope of supply (Bid price to include all cost components) : Supply Installation Testing Commissioning of Goods and Training of operators and providing Statutory Clearances required (if any)

**17. Turnover**

Bidder Turn Over Criteria: The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.

**18. OEM**

IMPORTED PRODUCTS: In case of imported products, OEM or Authorized Seller of OEM should have a registered office in India to provide after sales service support in India. The certificate to this effect should be submitted.

**19. 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.

**20. 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.

**21. Service & Support**

Availability of Service Centres: Bidder/OEM must have a Functional Service Centre in the State of each Consignee's Location in case of carry-in warranty. (Not applicable in case of goods having on-site warranty). If service center is not already there at the time of bidding, successful bidder / OEM shall have to establish one within 30 days of award of contract. Payment shall be released only after submission of documentary evidence of having Functional Service Centre.

**22. Service & Support**

Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.

**23. Service & Support**

Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.

**24. Inspection**

**Nominated Inspection Agency:** On behalf of the Buyer organization, any one of the following Inspection Agency would be conducting inspection of stores before acceptance:  
Pre-dispatch Inspection at Seller Premises (applicable only if pre-dispatch inspection clause has been selected in ATC):

NIL

Post Receipt Inspection at consignee site before acceptance of stores:  
HINDUSTAN ORGANIC CHEMICALS LTD

**25. 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.

**26. 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.

**27. 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.

**28. Warranty**

Warranty period of the supplied products shall be as given in specifications from the date of final acceptance of goods or after completion of installation, commissioning & testing of goods (if included in the scope of supply), at consignee location. OEM Warranty certificates must be submitted by Successful Bidder at the time of delivery of Goods. The seller should guarantee the rectification of goods in case of any break down during the guarantee period. Seller should have well established Installation,

Commissioning, Training, Troubleshooting and Maintenance Service group in INDIA for attending the after sales service. Details of Service Centres near consignee destinations are to be uploaded along with the bid.

29. **Warranty**

Successful bidder will have to ensure that adequate number of dedicated technical service personals / engineers are designated / deployed for attending to the Service Request in a time bound manner and for ensuring Timely Servicing / rectification of defects during warranty period, as per Service level agreement indicated in the relevant clause of the bid.

30. **Warranty**

Timely Servicing / rectification of defects during warranty period: After having been notified of the defects / service requirement during warranty period, Seller has to complete the required Service / Rectification within 5 days time limit. If the Seller fails to complete service / rectification with defined time limit, a penalty of 0.5% of Unit Price of the product shall be charged as penalty for each week of delay from the seller. Seller can deposit the penalty with the Buyer directly else the Buyer shall have a right to recover all such penalty amount from the Performance Security (PBG). Cumulative Penalty cannot exceed more than 10% of the total contract value after which the Buyer shall have the right to get the service / rectification done from alternate sources at the risk and cost of the Seller besides forfeiture of PBG. Seller shall be liable to re-imburse the cost of such service / rectification to the Buyer.

31. **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.

32. **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

33. **Buyer Added Bid Specific ATC**

Buyer Added text based ATC clauses

**DOCUMENTS SATISFYING ELIGIBILITY CRITERIA**

1. **DULY SIGNED AND STAMPED TENDER TERMS AS PER ANNEXURE II. IF ANY DEVIATION, PL. INDICATE SEPARATELY**
2. **DULY FILLED AND SIGNED COMMERCIAL TERM FORMAT AS PER ANNEXURE III-A, B, C, D**
3. **DULY FILLED AND SIGNED BID SECURITY DECLARATION & CLAUSE COMPLIANCE AS PER ANNEXURE -IV, V**
4. **BIDDERS SHOULD SUBMIT OEM / AUTHORIZATION CERTIFICATES ALONG WITH THE TECHNICAL**

## BID

5. DETAILED TECHNICAL SPECIFICATION OR CATALOGUE OF OFFERED PRODUCT SHOULD BE SUBMITTED ALONG WITH TECHNICAL BID
  6. IF REQUIRES, THE BIDDERS MIGHT BE ASKED TO DO THE DEMONSTRATION OF THEIR INSTRUMENT AT HOCL FOR TECHNICAL BID ACCEPTANCE, IF REQUIRED AND ASKED FOR
  7. THE PARTIES SHOULD PROVIDE A FREE CALIBRATION FOR A PERIOD OF TWO YEARS FOR THE VIBRATION ANALYZER AND ITS ACCESSORIES. THE QUOTED RATES SHALL BE INCLUSIVE OF THE RATES FOR THE CALIBRATION FOR TWO YEARS.
  8. CALIBRATION CERTIFICATES ALONG WITH THE TRACEABILITY CERTIFICATES, WARRANTY & GUARANTEE CERTIFICATES FOR VIBRATION ANALYZERS, PROBES AND OTHER ACCESSORIES, OPERATION AND INSTRUCTION MANUALS SHOULD BE PROVIDED ALONG WITH SUPPLY
  9. SUCCESSFUL TENDERER SHALL DEPOSIT AN AMOUNT EQUIVALENT TO 5% OF THE VALUE OF ORDER AS SECURITY DEPOSIT/PBG WITHIN 21 DAYS OF THE ORDER TOWARDS SATISFACTORY EXECUTION OF THE ORDER. NO INTEREST WILL BE PAID ON THIS AMOUNT BY HOCL. PBG SHALL BE VALID FOR A PERIOD OF MINIMUM 1 YEAR FROM SUPPLY/INSTALLATION & COMMISSIONING
34. **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---**



**HINDUSTAN ORGANIC CHEMICALS LIMITED**  
**(A GOVERNMENT OF INDIA ENTERPRISE)**  
**AMBALAMUGAL, ERNAKULAM DISTRICT, PIN – 682**  
**302PHONE: (0484) 2720911**

<b>Item Number</b>	<b>Item Description</b>	<b>Quantity (NO)</b>
<b>1</b>	Three channel Vibration analyzer (Non-flame proof) with provisions for bearing condition monitoring, vibration monitoring, temperature monitoring, non contact speed measurement etc... Including probes, transducers and other accessories like carrying case etc. and also PC software for data backup and vibration analysis of the readings taken. The preferred technical specification for the Three channel vibration analyzer is attached here with.	<b>1</b>

**NOTE:**

- a) IF REQUIRES, THE BIDDERS MIGHT BE ASKED TO DO THE DEMONSTRATION OF THEIR INSTRUMENT AT HOCL FOR TECHNICAL BID ACCEPTANCE, IF REQUIRED AND ASKED FOR
- b) THE PARTIES SHOULD PROVIDE A FREE CALIBRATION FOR A PERIOD OF TWO YEARS FOR THE VIBRATION ANALYZER AND ITS ACCESSORIES. THE QUOTED RATES SHALL BE INCLUSIVE OF THE RATES FOR THE CALIBRATION FOR TWO YEARS.
- c) CALIBRATION CERTIFICATES ALONG WITH THE TRACEABILITY CERTIFICATES, WARRANTY & GUARANTEE CERTIFICATES FOR VIBRATION ANALYZERS, PROBES AND OTHER ACCESSORIES, OPERATION AND INSTRUCTION MANUALS SHOULD BE PROVIDED ALONG WITH SUPPLY
- d) SUCCESSFUL TENDERER SHALL DEPOSIT AN AMOUNT EQUIVALENT TO 5% OF THE VALUE OF ORDER AS SECURITY DEPOSIT/PBG WITHIN 21 DAYS OF THE ORDER TOWARDS SATISFACTORY EXECUTION OF THE ORDER. NO INTEREST WILL BE PAID ON THIS AMOUNT BY HOCL. PBG SHALL BE VALID FOR A PERIOD OF MINIMUM 1 YEAR FROM SUPPLY/INSTALLATION & COMMISSIONING
- e) DETAILED TECHNICAL SPECIFICATION IS AS FOLLOWS.

Three channel Vibration analyzer (Non-flame proof) with provisions for bearing condition monitoring, vibration monitoring, temperature monitoring, non contact speed measurement etc... Including probes, transducers and other accessories like carrying case etc. and also PC software for data backup and vibration analysis of the readings taken. The preferred technical specification for the Three channel vibration analyzer is attached here with.

**TECHNICAL SPECIFICATIONS FOR THREE CHANNEL VIBRATION ANALYSER (Non-flame proof) WITH LATEST CONDITION MONITORING ANALYSING SOFTWARE**

Sr.No	Specification	Requirement	Vendor Confirmation
<b>Data Collector Specifications and requirements</b>			
a)	<b>Weight:</b>	Light weight (2.0 Kg max. with battery Pack),	
b)	<b>Display:</b>	<ul style="list-style-type: none"> <li>• Large view area (4" wide screen minimum)</li> <li>• TFT/ LCD type with high resolution &amp; colour display</li> <li>• contrast adjustment arrangement suitable for clear view at bright day light and night conditions.</li> </ul>	
c)	<b>Number of Channels:</b>	<ul style="list-style-type: none"> <li>• Must have capable of minimum THREE channels for vibration measurement</li> <li>• Simultaneous real-time data capture from all the channels without multiplexing.</li> <li>• Should have an additional channel for speed and temperature measurements.</li> <li>• All of these analog channels must be capable of taking in data simultaneously – with different settings for freq, lines etc.</li> </ul>	
d)	<b>Speed and Temperature Measurement:</b>	Should have the possibility to measure the speed and non-contact temperature with either in-built sensors or external sensors	
e)	<b>Processor:</b>	Processor speed should be 800 MHZ or more. (To ensure fast data collection and analysis).	
f)	<b>Dynamic Range:</b>	Greater than 90 dB.	
g)	<b>Storage Memory:</b>	Minimum 1GB with provision for expansion upto 4GB/8GB	
h)	<b>Batery Life:</b>	Rechargeable battery and shall be capable of minimum continuous use up to 10 hrs. Data should be saved automatically in the event of a low battery.	
i)	<b>PC Communication Interface:</b>	USB 2 or higher (direct connection to PC) / Ethernet / Wi-Fi	
j)	<b>Operating Temperature:</b>	-10°C to (upto 50°C) or higher	
k)	<b>Environmental Protection:</b>	IP 65 or better	
l)	<b>Shock Protection:</b>	Min 1m drop test certified according to IEC 60079-0	
m)	<b>Input Channels:</b>	<ul style="list-style-type: none"> <li>• Vibration: 3 – Channel Vibration analyzer with synchronized inputs.</li> <li>• RPM/ Tacho: 1- separate channel for Speed measurement.</li> <li>• Temperature: 1 – separate/in-built temp channel for non-contact temp. measurements</li> </ul>	
n)	<b>Operating System:</b>	Should be compatible with all variants/upgrades of Windows Microsoft (including Windows 10).	

Features of Data Collector / Analyzer		
a)	<b>Types of Measurement:</b>	Overall accelerations, overall velocity, overall displacement, overall bearing vibration (envelope acceleration value/shock pulse/Bearing defect factor/kurtosis), time waveform, demodulated spectrum, FFT measurement capability on the same equipment using same accelerometer along with measurement of temperature and process parameters separately. <ul style="list-style-type: none"> <li>• RMS, Peak, Peak- to- Peak, Calculated peak and calculated peak-peak</li> <li>• Filters – DC to 40 KHz or higher</li> <li>• Severity – ISO 10816-3/ ISO 2372 or user defined.</li> <li>• Resolution- 25600 lines minimum</li> </ul>
b)	<b>Vibration Sensors:</b>	Analyzer should be capable of working with all types of sensors available in the market like ICP, IEPE, Voltage etc.... A common sensor for Vibration & Bearing Health Condition should be provided. It should be provided with magnetis base.
c)	<b>Overall Display:</b>	<p>i) Display of overall velocity, overall acceleration and Bearing Condition Factor on the same screen for single axis measurement and similarly display of overall Velocity, Overall Acceleration and Bearing Condition Factor on the same screen for three axis simultaneous measurement using tri-axial sensor</p> <p>ii) Choice to view the low, medium and high frequency range spectra on the same screen</p> <p>iii) Facility to view amplitude units (acc./vel./displacement) in a variety of industry standard units and scale of amplitude axis in linear/logarithmic/decibels axis on the captured FFT.</p> <p>iv) View both high frequency (bearing, gear and rotor bar information) and low frequency (shaft speed, alignment, looseness, etc.) ranges on the same spectrum. The software should have features of setting alarms on narrow and broad frequency bands.</p> <p>v) "Zoom" displays of frequency axis to separate closely spaced frequency components.</p> <p>vi) Advanced cursor functionalities like main cursor, sidebands, harmonic cursors etc. should be available.</p>
d)	<b>Envelope Spectrum Display:</b>	Envelope Spectrum shall be available for antifriction bearing and gear box analysis.
e)	<b>Orbit Display:</b>	The analyzer should have the capability to view orbit plots, one on either side of the coupling or both sleeve bearings on a turbine, fan, or other production assets to see how the shaft is moving in relation to the bearing races.
f)	<b>Time Waveform Display with circular plot:</b>	The analyzer should be capable of time waveform capture & should be capable of deriving FFT from the recorded Time Waveform
g)	<b>Slow Speed measurements:</b>	Instrument should be capable of taking slow speed measurements (lessthan 30 RPM).

<b>Required Capabilities of System:</b> Data capturing (Route with tree structure displayed for ease of navigation) / off route Data Collection) for the following analysis along with suitable display: -			
a)	<b>FFT Analysis:</b>	<ul style="list-style-type: none"> <li>• Frequency Range – DC to 40 kHz or higher</li> <li>• FFT Resolution –Minimum 25600 lines</li> <li>• Windows – Hanning, rectangular and flattop</li> <li>• Analysis Functions – Spectrum, Time waveform, Envelope, Cepstrum, Orbit, (amplitude &amp; phase).</li> <li>• Zoom FFT – Should be available with Zoom function.</li> <li>• Averaging – Linear, peak hold etc.</li> <li>• Overall and Band Alarms.</li> </ul>	
b)	<b>Antifriction Bearing Measurement and Analysis:</b>	Capability for bearing health monitoring based on envelope acceleration value/shock pulse/defect factor/kurtosis/peak value methods	
c)	<b>Computed Order Analysis:</b>	Order Analysis display shall be available for variable speed machines	
d)	<b>Balancing:</b>	The instrument shall be capable for future upgradation for balancing function.	
e)	<b>Bearing Noise:</b>	Instrument should have the facility to listen to the bearing noise from the same accelerometer using headphones. Headphones with attachments to Vibration Analyzer shall be supplied.	
f)	<b>Automatic Fault Diagnosis</b>	Instrument shall have the facility to upgrade to perform an automatic fault diagnosis on the machine with faults and recommendations given by the instrument itself along with a star rating as a confidence level for the diagnosed fault	
g)	<b>Stroboscope:</b>	The instrument shall have either an in-built stroboscope else the stroboscope shall be supplied for bi-directional control from instrument to Stroboscope and vice versa for speed measurement and to study the rotating components under freeze condition	
<b>Software: Database Management System:</b>			
a)		The software should be supplied to handle large databases of more than 2 GB within the same tree structure for historical analysis. The instrument should have facility to import/export the route from instrument to upload/download to the software database for ease of machine trial operations.	
b)		Easy & faster communication with the data collector and transfer of all data stored in the data collector.	
c)		Periodical overall data trend & narrow band parameter trend, FFT spectral trend in waterfall manner, etc. shall be available	
d)		Should be able to perform post-collection filtering & FFT, based on required frequency range, on the collected time waveform.	
e)		Should have in-built database of antifriction bearings of different manufacturers along with the bearing defect frequencies, and facility for manual addition of new data to the database.	
f)		Should be able to overlay any two collected spectra, and/or characteristic defect frequencies on collected spectra for comparison & analysis.	
g)		Should have the facility to show the machine train status at a glance with threshold violation information.	
h)		Should have a dashboard like Human Machine Interface (HMI) to help to visualize the machines of a complete plant at a glance with threshold violation information.	
i)		The software should be able to generate reports for managing the condition monitoring program through the computer.	
j)		The software should be supplied with minimum THREE Read and Write Licenses to install and use the software on the three PCs for simultaneous operation.	
k)		The software system should be of the latest version with facility for future up-gradation.	
l)		The software should have a password protection facility.	

<b>Supportability:</b>		
<b>a)</b>	The OEM should have a local support / service center available in India which should be capable of supporting the data logger, sensors and software/ hardware for at least 10 years	
<b>b)</b>	The firm marketing the product should be backed and counter guaranteed by the OEM for supportability and all services rendered. The firm should be the sales / service responsibility of the OEM in India.	
<b>c)</b>	Bidder to provide a certificate of guarantee for back up support for a min period of 10 years.	
<b>Training:</b>		
The bidder should arrange to conduct a training module covering all the Theoretical & Practical aspects of the applications of the subject and the product at HOCL premises. The course material for the training module shall be supplied from of cost.		
<b>List of items/accessories to be supplied within the package and should not be limited to the below as the package should have all the features meeting the tender specification:</b>		
<ol style="list-style-type: none"> <li>1. Three Channel Vibration Analyzer including : Data collection module, off-route analyzer capabilities, vibration transducers (3Nos) or triaxial sensor including carrying case, communication cables and Battery &amp; battery adapters with cable, carrying strap with safety strap/buckle - Qty: 1</li> <li>2. Analysis desktop software with minimum THREE Read and Write Licenses - Qty: 1</li> <li>3. Stroboscope/Non contact type RPM measurement probe with connecting cable to instrument-Qty: 1</li> <li>4. Non-Contact Temperature Measurement kit- Qty: 1</li> <li>5. Headphone with connectivity to instrument- Qty: 1</li> </ol>		
<b>Note: Instrument should be capable for future upgradation for taking balancing.</b>		