

बिड दस्तावेज़ / Bid Document

बिड विवरण/Bid Details	
बिड बंद होने की तारीख/समय /Bid End Date/Time	30-06-2026 14:00:00
बिड खुलने की तारीख/समय /Bid Opening Date/Time	30-06-2026 14:30:00
बिड पेशकश वैधता (बंद होने की तारीख से)/Bid Offer Validity (From End Date)	60 (Days)
मंत्रालय/राज्य का नाम/Ministry/State Name	Ministry Of Chemicals And Fertilizers
विभाग का नाम/Department Name	Department Of Chemicals And Petrochemicals
संगठन का नाम/Organisation Name	Hindustan Organic Chemicals Limited
कार्यालय का नाम/Office Name	Ambalamugal,ernakulam
शिकायत निवारण के संपर्क विवरण/ Contact details of Grievance redressal	m.hareesh@hocl.gov.in
कुल मात्रा/Total Quantity	1
वस्तु श्रेणी /Item Category	WATER TREATMENT CHEMICALS
GeMARPTS में खोजी गई स्ट्रिंग्स / Searched Strings used in GeMARPTS	WATER TREATMENT CHEMICALS
GeMARPTS में खोजा गया परिणाम / Searched Result generated in GeMARPTS	Algaecides and Biocide for Cooling Water treatment, water baths, Toroidal Gravitational Complex Magnetic Field Incorporated Scientific Water Treatment Device, Alumino - Ferric (V2) Conforming to IS 299, Corrosion Inhibitors for Cooling Water treatment, Reverse Osmosis based Water Treatment System above 50 LPH Capacity (V2), Scale Inhibitors for Cooling Water treatment, Thiram Water Dispersible Powder For Slurry Seed Treatment(V3) Conforming To Is 4766, Environmental Chamber, Polyelectrolyte (ONGC)
अधिसूचना के लिए चयनित प्रासंगिक श्रेणियाँ / Relevant Categories selected for notification	<ul style="list-style-type: none"> • Algaecides and Biocide for Cooling Water treatment • Corrosion Inhibitors for Cooling Water treatment • Scale Inhibitors for Cooling Water treatment
उन्हीं/समान सेवा के लिए अपेक्षित विगत अनुभव के वर्ष/Years of Past Experience Required for same/similar service	3 Year (s)
एमएसएमई के लिए अनुभव के वर्षों और टर्नओवर से छूट प्रदान की गई है/MSE Relaxation for Years of Experience and Turnover	No

बिड विवरण/Bid Details	
स्टार्टअप के लिए अनुभव के वर्षों और टर्नओवर से छूट प्रदान की गई है / Startup Relaxation for Years of Experience and Turnover	No
विक्रेता से मांगे गए दस्तावेज़/ Document required from seller	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
क्या आप निविदाकारों द्वारा अपलोड किए गए दस्तावेजों को निविदा में भाग लेने वाले सभी निविदाकारों को दिखाना चाहते हैं? संदर्भ मेनू है/ Do you want to show documents uploaded by bidders to all bidders participated in bid?	Yes (Documents submitted as part of a clarification or representation during the tender/bid process will also be displayed to other participated bidders after log in)
बिड लगाने की समय सीमा स्वतः नहीं बढ़ाने के लिए आवश्यक बिड की संख्या। / Minimum number of bids required to disable automatic bid extension	3
दिनों की संख्या, जिनके लिए बिड लगाने की समय-सीमा बढ़ाई जाएगी। / Number of days for which Bid would be auto-extended	7
ऑटो एक्सटेंशन अधिकतम कितनी बार किया जाना है। / Number of Auto Extension count	1
विगत प्रदर्शन / Past Performance	80 %
बिड से रिवर्स नीलामी सक्रिय किया/ Bid to RA enabled	No
बिड का प्रकार/ Type of Bid	Two Packet Bid
तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय / Time allowed for Technical Clarifications during technical evaluation	2 Days
निरीक्षण आवश्यक (सूचीबद्ध निरीक्षण प्राधिकरण /जेम के साथ पूर्व पंजीकृत एजेंसियों द्वारा)/ Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)	No
Payment Timelines	Payments shall be made to the Seller within 30 days of issue of consignee receipt-cum-acceptance certificate (CRAC) and on-line submission of bills (This is in supersession of 10 days time as provided in clause 12 of GeM GTC)
मूल्यांकन पद्धति/ Evaluation Method	Total value wise evaluation
वित्तीय दस्तावेज की आवश्यकता है / Financial Document Required	Yes
मध्यस्थता खंड/ Arbitration Clause	No
सुलह खंड/ Mediation Clause	No

ईएमडी विवरण/EMD Detail

एडवाइजरी बैंक/Advisory Bank	State Bank of India
ईएमडी राशि/EMD Amount	13000

ईपीबीजी विवरण /ePBG Detail

आवश्यकता/Required	No
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(a). जेम की शर्तों के अनुसार ईएमडी छूट के इच्छुक बिडर को संबंधित केटेगरी के लिए बिड के साथ वैध समर्थित दस्तावेज प्रस्तुत करने है। एमएसई केटेगरी के अंतर्गत केवल वस्तुओं के लिए विनिर्माता तथा सेवाओं के लिए सेवा प्रदाता ईएमडी से छूट के पात्र हैं। व्यापारियों को इस नीति के दायरे से बाहर रखा गया है।/EMD EXEMPTION: The bidder seeking EMD exemption, must submit the valid supporting document for the relevant category as per GeM GTC with the bid. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy.

(b).ईएमडी और संपादन जमानत राशि, जहां यह लागू होती है, लाभार्थी के पक्ष में होनी चाहिए। / EMD & Performance security should be in favour of Beneficiary, wherever it is applicable.

(c).ईएमडी और संपादन जमानत राशि लाभार्थी के पक्ष में होनी चाहिए। / Earnest Money Deposit (EMD) shall also be accepted by the buyer in the form of a surety bond.

लाभार्थी /Beneficiary :

CGM MATERIALS

Ambalamugal,ernakulam, Department of Chemicals and Petrochemicals, Hindustan Organic Chemicals Limited, Ministry of Chemicals and Fertilizers (Hindustan Organic Chemicals Ltd)

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

एमआईआई खरीद वरीयता / MII Purchase Preference

एमआईआई खरीद वरीयता / MII Purchase Preference	Yes
मेक इन इंडिया विक्रेताओं को खरीद में प्राथमिकता, यदि उनका मूल्य L1+X% तक की सीमा में है / Purchase Preference to MII sellers available upto price within L1+X%	20
मेक इन इंडिया खरीद में प्राथमिकता के लिए बिड की मात्रा का अधिकतम प्रतिशत / Maximum Percentage of Bid quantity for MII purchase preference	50

सार्वजनिक खरीद (मेक-इन-इंडिया को प्राथमिकता) आदेश 2017 के अनुसार केवल क्लास 1/क्लास 2 के स्थानीय आपूर्तिकर्ताओं को ही भागीदारी की अनुमति है दिनांक 16.09.2020 (समय-समय पर संशोधित एवं लागू) / Allow participation only from Class 1/Class 2 local suppliers as per the Public procurement(Preference to Make-in-india) order 2017 date 16.09.2020(as amended and applicable time to time)	Yes, in compliance with the MII ORDER : DPIIT Order(as amended and applicable time to time)
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एमएसई खरीद वरीयता/MSE Purchase Preference

एमएसई खरीद वरीयता/MSE Purchase Preference	Yes
सूक्ष्म और लघु उद्यम मूल उपकरण निर्माताओं/सेवा प्रदाता को खरीद में प्राथमिकता, यदि उनका मूल्य L1+X% / Purchase Preference to MSE OEMs/ Service Provider available upto price within L1+X%	15
सूक्ष्म और लघु उद्यम मूल उपकरण निर्माता/सेवा प्रदाता को खरीद में प्राथमिकता के लिए बिड की मात्रा का अधिकतम प्रतिशत / Percentage of Bid quantity/amount for MSE OEMs/ Service Provider Purchase preference	25

ट्रेड्स भुगतान संबंधी विवरण/TReDS Payment Details

This Bid provides for Trade Receivables Discounting System (TReDS) as Preferred mode of payment. For MSME sellers, payments may be processed through a TReDS exchange in which the Buyer is registered, subject to applicable policy and regulatory guidelines. Accordingly, sellers intending to avail payment through TReDS are required to be registered with at least one TReDS exchange in which the buyer is registered.

1. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM of the product offered in the bid {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU for number of Financial years as indicated above in the bid document before the bid opening date. Copies of relevant contracts and delivery acceptance certificates like CRAC 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.
2. 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 and its subsequent Orders/Notifications issued by concerned Ministry .Benefits of MSE will be allowed only if seller/service provider is validated on-line in GeM profile as well as validated and approved by Buyer after

evaluation of documents submitted.

3. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs having valid Udyam Certificate and whose credentials are validated online through Udyam Registration portal 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 themselves of the Purchase preference, the bidder must be the manufacturer / OEM of the offered product on GeM. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises and hence resellers offering products manufactured by some other OEM are not eligible for any purchase preference. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service, and Buyer will decide eligibility for purchase preference based on documentary evidence submitted in case of product bids, whereas in case of services the eligibility is automatically validated. 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 MSE 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.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. Benefits of MSE will be allowed only if seller is validated on-line in GeM profile as well as validated and approved by Buyer after evaluation of documents submitted.

4. 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. 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.

एक्सेल में अपलोड किए जाने की आवश्यकता /Excel Upload Required :

BOQ - [1781502910.xlsx](#)

WATER TREATMENT CHEMICALS (1 Unit)

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

तकनीकी विशिष्टियाँ /Technical Specifications

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

क्र.सं./S.N o.	परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	डिलीवरी अनुसूची /Delivery Schedule अनुबंध प्रारम्भ होने की तारीख से दिनों की संख्या में /(In number of days from contract start days)
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क्र.सं./S.No.	परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	डिलीवरी अनुसूची /Delivery Schedule अनुबंध प्रारम्भ होने की तारीख से दिनों की संख्या में /In number of days from contract start days)		
1	Hareesh Madhav A	682302,HOCL AMBALAMUGAL ERNAKULAM	मात्रा /Quantity	प्रारम्भ होने की तारीख से डिलीवरी /Delivery to start after	डिलीवरी _____ तक पूरी कर ली जाए /Delivery to be completed by
			1	1	365

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

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 up to 25% of the contracted quantity during the currency of the contract at the contracted rates. The delivery period of quantity shall commence from the last date of original delivery order and in cases where option clause is exercised during the extended delivery period the additional time shall commence from the last date of extended delivery period. The additional delivery time shall be $(\text{Increased quantity} \div \text{Original quantity}) \times \text{Original delivery period (in days)}$, subject to minimum of 30 days. If the original delivery period is less than 30 days, the additional time equals the original delivery period. The Purchaser may extend this calculated delivery duration up to the original delivery period while exercising the option clause. Bidders must comply with these terms.

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 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.

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**

Products supplied shall be nontoxic and harmless to health. In the case of toxic materials, Material Safety Data Sheet may be furnished along with the material.

9. **Generic**

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

10. **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.

11. **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.

12. **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.

13. **Scope of Supply**

Scope of supply (Bid price to include all cost components) : Only supply of Goods

14. **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.

15. **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.

16. **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.

17. **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.

18. **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.

19. **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):

AS PER TENDER TERMS AND CONDITIONS

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20. **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.

21. 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

22. Buyer Added Bid Specific ATC

Buyer Added text based ATC clauses

1. Commercial terms duly filled signed and sealed as per Annexure VI A,B,C,D,E
2. Documents Satisfying Eligibility Criteria3.
3. Detailed technical specification of the offered chemicals as per part A and B in the tender document
4. Dully filled, signed and sealed copy of terms and conditions as per Part C of tender documents.
5. Dully filled, signed and sealed copy of Annexure VI and VII of Part A and B to be submitted.
6. Unpriced BOQ Format- Please mention quoted or not quoted in the respective column.
7. Also Kindly fill and sign the BOQ & submit along with the financial bid .
8. Deviation statement, if any should be indicated separately.
9. **ARBITRATION OF DISPUTES:-** All disputes, differences, questions and claims arising out of, under or touching upon this Tender /Agreement/ Purchase Order/ Work Order shall be settled amicably between the parties through mutual discussion. If the parties fail to resolve the dispute by such mutual consultation within 21 days, then such disputes, difference, questions or claims shall be referred for resolution through arbitration by either of the parties to the India International Arbitration Centre or a Sole Arbitrator mutually agreed upon by the parties from a panel of arbitrators. The award of Arbitration shall be final and binding on the parties. The seat of the Arbitration shall be at Kochi, Kerala, India and the proceedings of the arbitration shall be held at Kochi, Kerala, India in accordance with the India International Arbitration Centre Act 2019 / Indian Arbitration & Conciliation Act 1996 or any statutory modification or re-enactment thereof for the time being in force. When the contract is with foreign vendor, the vendor has the option to choose arbitration in accordance with the provisions of The India International Arbitration Centre Act 2019 / The Indian Arbitration and Conciliation Act, 1996 / UNCITRAL (United Nations Commission on International Trade Law Arbitration/Arbitration Rules."
10. **GENERAL INFORMATION TO SUPPORT THE GROWTH OF MSME BUSINESS "** The Government of India offers two excellent opportunities to elevate the quality and sustainability of MSME businesses—the ZED Certification (Zero Defect Zero Effect) and the MSME Competitive (Lean) Scheme—both designed to improve product quality, enhance competitiveness, and provide access to government benefits." Eligible MSMEs

shall apply through online portal : <https://zed.msme.gov.in> / <https://lean.msme.gov.in/>.

23. Buyer Added Bid Specific ATC

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

अस्वीकरण/Disclaimer

The Additional Terms and Conditions (ATC) have been incorporated by the Buyer after approval of their Competent Authority. The Buyer is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any restriction arising in the bidding process due to these ATCs and including the modification of technical specifications and / or terms and conditions governing the bid. All representations / grievances pertaining to the ATC clauses shall be raised with the buyer organization directly and not with GeM. If any of the clause(s) is/are incorporated by the Buyer regarding the following, the bid & resultant contract shall be treated as null & void. Further, GeM reserves the right, at its sole discretion, to cancel the bid forthwith, without issuance of any prior notice or intimation :-

1. Publishing Custom / BOQ bids for items for which regular GeM categories are available (unless such Custom / BOQ item is bunched with the major regular product Category Item).
2. Mandating procurement of / from specific Brand / Make / Model / Manufacturer / Dealer except in case of Single Bid / Proprietary Article Certificate (PAC) Buying.
3. Inclusion of disqualification criteria related to suspension of seller / service provider, where such suspension period has already expired.
4. Mandating submission of documents in physical form as a pre-requisite to qualify bidders.
5. Publishing bids on GeM for procurement of works.
6. Procurement of Goods by creating a Service bid on GeM & vice-versa.
7. Seeking sample with bid or approval of samples during bid evaluation process. However, trial / sample, as the case may be, shall be permitted in cases where trial / sample are allowed as per approved and published procurement policy of the Buyers' controlling Ministry / Department / State / Public Sector Enterprises Headquarters. If there is any violation of trial / sample clause with regard to approved policy of the Buyers' Ministry / Department / State / Public Sector Enterprises Headquarters, then this is to be determined and redressed by the concerned Buyer Organisation only.
8. Seeking experience from specific organization / department / institute only or from foreign / export experience.
9. Creating bid for items from incorrect categories.
10. Reference of conditions published on any external site or reference to external documents/clauses.
11. Asking for any Tender fee / Bid Participation fee, as the case may be.
12. Buyer added ATC Clauses which are in contravention of clauses defined in bid detail section, including specifications, EMD Detail, ePBG Detail and MII and MSE Purchase Preference sections of the bid, unless otherwise allowed by the applicable GeM GTC.
13. Any ATC clause in contravention with GeM GTC Clause 4 (xiii) (h) will be invalid. In case of multiple L1 bidders against a service bid, the buyer shall place the Contract by selection of a bidder amongst the L-1 bidders through a Random Algorithm executed by GeM system.
14. In a category based bid, adding additional items, through buyer added, additional scope of work/ additional terms and conditions/or any other document. If buyer needs more items along with the main item, the same must be added through bunching category based items or by bunching custom catalogues or bunching a BoQ with the main category based item, the same must not be done through ATC or Scope of Work.

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. 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.

All GeM Sellers/Service Providers shall ensure full compliance with all applicable labour laws,

including the provisions, rules, schemes and guidelines under the four Labour Codes i.e. the Code on Wages, 2019; the Industrial Relations Code, 2020; the Occupational Safety, Health and Working Conditions Code, 2020; and the Code on Social Security, 2020 as and when notified and brought into force by the Government of India.

For all provisions of the Labour Codes that are pending operationalisation through rules, schemes or notifications, the corresponding provisions of the pre-existing labour enactments (such as The Minimum Wages Act, 1948, The Payment of Wages Act, 1936, The Payment of Bonus Act, 1965, The Equal Remuneration Act, 1976, The Payment of Gratuity Act, 1972, etc. and relevant State Rules) shall continue to remain applicable.

The Seller/ Service Providers shall, therefore, be responsible for ensuring compliance under:

- All notified and enforceable provisions of the new Labour Codes as mentioned hereinabove; and
- All operative provisions of the erstwhile Labour Laws until their complete substitution.

All obligations relating to wages, social security, safety, working conditions, industrial relations etc. and any other statutory requirements shall be strictly met by the Seller/ Service Provider. Any non-compliance shall constitute a breach of the contract and shall entitle the Buyer to take appropriate action in accordance with the contract and applicable law.

This Bid is governed by the General Terms and Conditions, conditions stipulated in Bid and Service Level Agreement specific to the Service, as the case may be, as provided in the Marketplace.

However, in case of Service, if any condition specified in General Terms and Conditions is contradicted by the conditions stipulated in Service Level Agreement specific to said Service, then it will over-ride the conditions in the General Terms and Conditions.

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

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।/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.

---धन्यवाद/Thank You---



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

विशेष सीमित ई-निविदा सूचना
SPECIAL LIMITED E- TENDER NOTICE

HOCL invites Special Limited e Bids under Two bid system for the supply of following item
एचओसीएल निम्नलिखित वस्तुओं की आपूर्ति के लिए दो बोली प्रणाली के तहत विशेष सीमित ई-बोलियाँ आमंत्रित करता है।

Sl. No.	Description of item and Tender No. आइटम का विवरण और निविदा सं.
1	वाटर ट्रीटमेंट केमिकल्स एचओसीएल निविदा रेफ: माट/पर/33526/26 WATER TREATMENT CHEMICALS HOCL tender ref : MAT/PUR/33526/26

निविदा दस्तावेज www.hoclindia.com या www.eprocure.gov.in या www.gem.gov.in से डाउनलोड किए जा सकते हैं।

Tender documents may be downloaded from www.hoclindia.com or www.eprocure.gov.in or www.gem.gov.in.

आपका विश्वासी, Yours faithfully,

हिंदुस्तान ऑर्गेनिक केमिकल्स लिमिटेड के लिए। For Hindustan Organic Chemicals Ltd.

बी बालचन्द्रन B. BALACHANDRAN

मुख्य महाप्रबंधक (सामग्री/ विपणन/ एच आर/ व्यापार विकास) CGM (Materials/Mktg/HR/BD)

हिंदुस्तान ऑर्गेनिक केमिकल्स लिमिटेड

HINDUSTAN ORGANIC CHEMICALS LIMITED

(भारत सरकार का उद्यम A Govt.of India Enterprise)

अंबलमुगल, कोची, केरल Ambalamugal, Kochi, Kerala-682302

Tel:0484-2727364.



हिंदुस्तानऑर्गेनिककेमिकल्सलिमिटेड HINDUSTAN ORGANIC CHEMICALS LTD

(भारतसरकारकाउद्यम A Government of India Enterprise)

अंबलमुगल,कोची AMBALAMUGAL, COCHIN – 682 302

दूरभाष Phone: (0484) 2720911

MAT/PUR/33526/26

15.06.2026

प्रिय महोदय, Dear Sirs,

हिंदुस्तान ऑर्गेनिक केमिकल्स लिमिटेड भारत सरकार का उपक्रम है जो कोच्चि, केरल, भारत में अपने संयंत्र में फीनोल, एसीटोन और हाइड्रो-जेन पेरोक्साइड का निर्माण करता है। एचओसीएल दो बोली प्रणाली में 2 साल की अवधि के लिए रसायनों की आपूर्ति और शीतलन जल उपचार और बॉयलर जल उपचार की निगरानी के लिए अनुबंध को अंतिम रूप देने के लिए ई-निविदा आमंत्रित करता है। निविदा दस्तावेजों में विस्तृत विनिर्देश और कार्य का दायरा दिया गया है।

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-tender for finalizing the contract for the supply of **Chemicals and monitoring of cooling water treatment and boiler water treatment for a period of 1 year** in two bid system. Detailed specification and scope of work is given in the tender documents.

निविदा दस्तावेज www.hoclindia.com या www.eprocure.gov.in या www.gem.gov.in से डाउनलोड किए जा सकते हैं। कृपया प्रस्ताव प्रस्तुत करने से पहले किसी भी परिशिष्ट/शुद्धि/विस्तार के लिए उपरोक्त साइटों पर नियमित रूप से जाएं।

Tender documents may be downloaded from www.hoclindia.com or www.eprocure.gov.in or www.gem.gov.in. Please visit the above sites regularly for any addendum/ corrigendum/extension before submitting the offers.

आप निर्धारित तिथि और समय से पहले ऑनलाइन दो बोली प्रणाली पर अपना प्रस्ताव प्रस्तुत कर सकते हैं।
You may submit your offer on Two bid system online before the due date and time specified.

Yours faithfully,
For Hindustan Organic Chemicals Ltd.

बी बालचन्द्रन B. BALACHANDRAN

मुख्य महाप्रबंधक (सामग्री/ विपणन/ एच आर/ व्यापार विकास) CGM (Materials/Mktg/HR/BD)

हिंदुस्तान ऑर्गेनिक केमिकल्स लिमिटेड

HINDUSTAN ORGANIC CHEMICALS LIMITED

(भारत सरकार का उद्यम A Govt.of India Enterprise)

अंबलमुगल, कोची, केरल Ambalamugal, Kochi, Kerala-682302

Tel:0484-2727464.

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PART A - COOLING WATER TREATMENT
ANNEXURE -I

SCOPE OF WORK

The work involves the detailed study of the cooling water system of our No.1 cooling tower and the supply of various water treatment chemicals for the pre-cleaning, passivation and regular treatment of the cooling water of No.1 cooling tower in our plant at Ambalamugal. Presently we are using the water treatment chemicals supplied by M/s. Chembond Water Technologies Ltd. Please note that in case of a changeover of the chemicals to a new one, we'll not be able to stop the cooling tower and the required water treatment has to be done in continuation to the existing ones. The programme shall be based on corrosion inhibitors, scaling inhibitors, fouling Inhibitors, with minimum 2 broad spectrum non oxidizing biocide, chlorine, bio-dispersants and other mineral dispersants. In no cases, the stoppage of system/cooling tower is possible. The programme including flushing, passivation etc shall be implemented on line i.e. without varying the load of the cooling tower, heat exchangers etc.

The circulation of the No1 Cooling Tower is around 5100 M³/hr and the holdup capacity is (sump) + (Piping) is 3750 M³ and side stream filter having capacity of 270 M³. Average consumption of makeup water is 55 M³/Hr. The design bleed off (Blow down + Drift loss) is 22M³/Hr.

The specification detail of Cooling Tower is given in Annexure IV and make up water analysis is given in Annexure V. The vendors are free to verify these values using their facilities at their cost.

The parameters to be controlled in the system have to be specifically mentioned in the offer and should be adhered during the treatment programme. The dosage of the chemicals offered / recommended should be strictly adhered, to maintain the required parameters. At any cost, there should not be any deviation in the consumption of chemicals recommended for the treatment to maintain the specified parameters; especially the consumption should not go high with respect to recommended dosage. The chemicals actually consumed in excess of the quantity specified in your offer shall be borne by the party.

Corrosion Coupon

- a) Corrosion evaluation shall be done every month. The corrosion on MS Coupon shall not exceed 3MPY.
- b) The corrosion coupons should be free from inorganic & biological fouling, deposit corrosion & pitting corrosion.
- c) The installation & evaluation of corrosion coupon shall be in accordance with ASTM D-2688-1992.

Microbiological Analysis

- A. TVC to be less than 1×10^5 /MI
- B. SRB to be less than 60 Col/100ml
- C. Iron Bacteria to be less than 5 org/100ml

Service personnel have to be posted at site to stabilize the treatment programme and to monitor it daily. Service Personnel shall visit our site on daily basis as a part of monitoring the treatment programme and for recommendation of dosage. Service Personal shall visit our site during shutdown for evaluating the performance of the treatment.

Weekly report has to be submitted to the Engineer-in-charge by the Service Personnel. In addition a Monthly report has to be submitted to the Engineer-in-charge. The reports are to be submitted as per special instruction (Annexure–III) & Checklist.

Technical Assistance shall be offered till such time the ordered quantity of chemicals is fully used (consumed) or 1 year whichever is more.

Vendor are advised to visit the plant site and submit their proposal only after extensive plant survey, ascertaining quality of makeup water, circulating water, equipment metallurgy etc.

Service personal shall visit our site during shutdown for evaluating the performance of treatment.

PART A - COOLING WATER TREATMENT

ANNEXURE - II

DETAILS THAT ARE TO BE INDICATED IN PART I – TECHNICAL BID

- A. System details and Water analysis
- B. Chemical Treatment Programme
- C. Chemical Consumption on PPM basis, daily, monthly & yearly consumption of each chemical for evaluation purpose.
- D. Control Parameters.
- E. Technical Services offered shall be as per our (ANNEXURE I & ANNEXURE III Clause6).
- F. Qualifying Requirements
- G. Compliance to attached special instructions (ANNEXURE-III)
- H. MSDS, specification and functions & shelf life of each product
- I. Priced Bid Format PART C (ANNEXURE V)

PART A - COOLING WATER TREATMENT
ANNEXURE - III

SPECIAL INSTRUCTIONS

Following details shall be clearly mentioned in the Technical Bid.

1. The procedure for change over from the present treatment system to your system without stoppage of cooling towers.
2. The type of chemicals indented to be used for the following and its dosage to be given in Technical Bid.
 - Corrosion Inhibitor
 - Dispersant
 - Antiscalant
 - Bio dispersent
 - Non-oxidizing biocides (2 Nos.) minimum out of which one should be 45% glutaraldehyde + Chemicals for generating ClO₂(oxidizing biocide)
 - Chemicals/biocides required in the absence of Chlorination
3. Copy of MSDS of all chemicals offered. All the chemicals shall be biodegradable and non hazardous. The function of each chemical, specification, shelf life and safe handling procedure to be given in MSDS of each product/chemical.
4. Caustic soda and chlorine for ClO₂dosing (apart from to 2 non oxidizing biocides) required for the treatment will be supplied by HOCL at free of cost. Vendor shall specify the dosages of caustic soda and chlorine very clearly in the technical bid which shall be a parameter for evaluation of the offer. The cost of the above chemical consumed in excess of the specified dosages shall be to the vendor's account.
5. Contingency plan has to detailed in the technical bid for the following
 - a) Hydrocarbon ingress into system
 - b) Chlorination failure
 - c) pH fluctuation
 - d) Lube Oil/grease ingress into system
 - e) High iron content
 - f) High turbidity of Makeup water
 - g) High Chloride of Makeup water
6. Services to be provided by the vendor till such time the ordered quantity of chemicals are fully used or 2 years whichever is more. Charges for the services to be included in the prices of chemicals. No additional charges will be given by HOCL.
 - a. Your service representative shall be available on daily basis to monitor the programme (for corrective, preventive actions & routine analysis). The vendor should ensure the skill of service representative in condition base analysis and resolve the unexpected incidents in the operating systems.

- b. Your expert technical personnel shall be made available within 24 hrs, as and when required.
- c. You shall supply and maintain all the monitoring equipments, dosing equipments and kits/aids for monitoring, dosing, controlling and reporting the treatment programme. The details of such items to monitor corrosion, fouling monitor, deposit monitor, microbiological analysis and complete laboratory test kits including all testing reagents and all glass wares for daily monitoring of all control parameters of makeup and circulating cooling water etc. shall be detailed in your technical bid. Ensure the periodical service and evaluation of fouling monitor, deposit monitor and other test kits.
- d. All control parameters of circulating and make up water to be analyzed by you at site on daily basis to control the parameters and to optimize the chemical consumption and for trouble shooting. The procedure/ method for analysis of above parameters are to be given to us.
- e. Microbiological analysis for TVC, SRB & Iron Bacteria to be done by you fortnightly. (First fortnight sample shall be tested using Microbe detection test slides at HOCL and second fortnight sample shall be done through outside approved laboratories)
- f. Vendors shall monitor the cooling water flow rates using Ultra Sonic Flow measurement for all the 46 heat exchangers as Annexure III A.
- g. Reports to be submitted
 - Daily monitoring shall include, monitoring of all the control parameters of circulating cooling water and make up water and control measures / corrective actions to be adopted and quantity of chemicals to be added.
 - Weekly reports shall contain the average of control parameters, chemical stock position (stock at site & at Stores), deviation if any, corrective/preventive actions made, suggestion if any.
 - Monthly reports shall contain trends of all control parameters, measurement of COC (cycles of concentration), corrosion study calculation/details, microbiological study, performance of deposit monitor & Bio fouling monitor, actual consumption including chlorine & caustic vs. projected consumption, chemical stock, analysis, deviation, corrective/preventive actions and improvements including identification and arresting the system leakages to maintain/improve the cycle of concentration, cause analysis of deviations in any of the parameters & reporting of key performance indicators and all exchanger flow rate measurements.
- h. Training on general water treatment and subjects specific to this programme shall be arranged.

PART A - COOLING WATER TREATMENT**ANNEXURE – III A**

1	WSN TREATMENT COOLER	WSN TREATMENT COOLER	03.E.001
2	OXIDISER FEED COOLER	OXIDISER FEED COOLER	06.E.001
3	EXTRACTOR FEED COOLER	EXTRACTOR FEED COOLER	07.E.001
4	C-001 OVERHEAD CONDENSER	C3-C4 COLUMN-OVERHEAD CONDENSER	101-E-002
5	C 002 OVERHEAD CONDENSER	C3-C3 COLUMN-OVERHEAD CONDENSER	101-E-004
6	C3-C4 STREAM COOLER-A	C3-C4 STREAM COOLER-A	101-E-006A
7	HEAD CONDENSOR	HEAD CONDENSOR	28.E.003
8	COOLING TRAP	COOLING TRAP	28.E.006
9	DEPROPANISER OVERHEAD CONDENSER	DEPROPANISER OVERHEAD CONDENSER	E-2004
10	L.P.G PRODUCT COOLER	L.P.G PRODUCT COOLER	E-2005
11	DRAG BENZENE COOLER	DRAG BENZENE COOLER	E-2007
12	RECYCLE COLUMN TRIM CONDENSER	RECYCLE COLUMN TRIM CONDENSER	E-2009
13	CUMENE COLUMN BOTTOM COOLER	CUMENE COLUMN BOTTOM COOLER	E-2011
14	CUMENE COLUMN PRODUCT TRIM COOLER	CUMENE COLUMN PRODUCT TRIM COOLER	E-2013A
15	CUMENE COLUMN PRODUCT TRIM COOLER	CUMENE COLUMN PRODUCT TRIM COOLER	E-2013B
16	COMPRESSOR AFTER COOLER	COMPRESSOR AFTER COOLER	E-2501
17	OXIDISER VENT GAS CODENSOR	OXIDISER VENT GAS CODENSOR	E-2506A
18	OXIDISER VENT GAS CODENSOR	OXIDISER VENT GAS CODENSOR	E-2506B
19	EVAPORATOR PRE-FLASH CONDENSER	EVAPORATOR PRE-FLASH CONDENSER	E-3002
20	EVAPORATOR FLASH CONDENSER	EVAPORATOR FLASH CONDENSER	E-3003A
21	EVAPORATOR FLASH CONDENSER	EVAPORATOR FLASH CONDENSER	E-3003B
22	EVAPORATOR FLASH CONDENSER	EVAPORATOR FLASH CONDENSER	E-3003C
23	EVAPORATOR OVERHEAD CONDENSER	EVAPORATOR OVERHEAD CONDENSER	E-3004A
24	EVAPORATOR OVERHEAD CONDENSER	EVAPORATOR OVERHEAD CONDENSER	E-3004B
25	EVAPORATOR BOTTOM COOLER	EVAPORATOR BOTTOM COOLER	E-3005
26	CONDENSER VENT CONDENSER	CONDENSER VENT CONDENSER	E-3006
27	CLEAVAGE REACTOR COOLER	CLEAVAGE REACTOR COOLER	E-3501A
28	CLEAVAGE REACTOR COOLER	CLEAVAGE REACTOR COOLER	E-3501B
29	DIRECT NEUTRALISATION FEED COOLER	DIRECT NEUTRALISATION FEED COOLER	E-4001A

30	DIRECT NEUTRALISATION FEED COOLER	DIRECT NEUTRALISATION FEED COOLER	E-4001B
31	DIRECT NEUTRALISATION PRODUCT COOLER	DIRECT NEUTRALISATION PRODUCT COOLER	E-4002A
32	DIRECT NEUTRALISATION PRODUCT COOLER	DIRECT NEUTRALISATION PRODUCT COOLER	E-4002B
33	C.A.C OVERHEAD CONDENSER	C.A.C OVERHEAD CONDENSER	E-4502
34	FAC BOTTOM COOLER	FAC BOTTOM COOLER	E-4505A
35	FAC BOTTOM COOLER	FAC BOTTOM COOLER	E-4505B
36	ACETONE PRODUCT COOLER	ACETONE PRODUCT COOLER	E-4506
37	F.A.C OVERHEAD CONDENSER	F.A.C OVERHEAD CONDENSER	E-4507A
38	F.A.C OVERHEAD CONDENSER	F.A.C OVERHEAD CONDENSER	E-4507B
39	TAR COLUMN OVER HEAD CONDENSOR	TAR COLUMN OVER HEAD CONDENSOR	E-4510
40	A M S COLUMN OVERHEAD CONDENSOR	A M S COLUMN OVERHEAD CONDENSOR	E-4512
41	PHENOL COLUMN OVERHEAD CONDENSER	PHENOL COLUMN OVERHEAD CONDENSER	E-4517
42	HYDROGENATION PRODUCT CONDENSER	HYDROGENATION PRODUCT CONDENSER	E-5003
43	RETURN COLUMN CONDENSER	RETURN COLUMN CONDENSER	E-5502
44	STRIPPER COLUMN CONDENSER	STRIPPER COLUMN CONDENSER	E-5504
45	HOT OIL PUMP OUT COOLER	HOT OIL PUMP OUT COOLER	E-6001
46	AMMONIA CONDENSOR	AMMONIA CONDENSOR	W-2502

Monthly reports shall contain the above exchanger flow rates measurement reports.

PART A - COOLING WATER TREATMENT**ANNEXURE – IV****SPECIFICATION OF THE COOLING TOWER NO.1**

Circulation rate	5100M ³ /Hr
Hold up volume (sump)+(Piping)	3750M ³
Hot water temp.(Design)	42 degree C
Cold water temp.(Design)	32 degree C
Delta T degree C(design)	10 degree C
System Metallurgy	SS/Carbon Steel
Evaporation loss	33 M3/Hr (approx)
Cycles of concentration	1.7 to 2.2
Design Blow down +Drift Loss M ³ /Hr (Total Bleed Off)	22
Average Make up water quantity	55M ³ /Hr

- Side stream filter provided
- Chlorination facility provided

PART A - COOLING WATER TREATMENT
ANNEXURE – V

SOURCE OF COOLING WATER MAKE UP

I. (PTP WATER)

PH	: 6.5 – 7.5
M-alkalinity	: 15.5 ppm
Hardness	: 17ppm
Chloride	: 10ppm
Iron	: 0.2 ppm
TDS	: 67ppm

III. PARAMETER TO BE MAINTAINED BY THE VENDOR			
1. Cooling Water - PO ₄ ³⁻	8 - 12	2. Cooling water - P ^H	6.5 - 7.2
(Other Control Parameter is to be given by the vendor based on their study of the system and feed water details)			

**II. ANOTHER SOURCE OF COOLING WATER MAKE UP
(POND WATER)-(50% of Total make-up quantity)**

<u>Parameter</u>	<u>Min.</u>	<u>Max.</u>
PH	4.0	7.5
TDS	730 PPM	925 PPM
* Fe	0.13 PPM	4.0 PPM
Chloride	75 PPM	105 PPM
Hardness	28 PPM	100 PPM
Turbidity	1.2 NTU	8.1 NTU
Conductivity	936µmhos/cm	1250µmhos/cm
COD	8 PPM	30PPM
Sulphate	200 PPM	650 PPM
Nitrate	1PPM	5PPM

* During some period **Fe** content is found to be on higher side (up to 4 PPM). Accordingly dosage may be recommended as a contingency plan.

This may please quote separately. However same will not be considered for comparison purpose

PART A - COOLING WATER TREATMENT**ANNEXURE VI****CHECK LIST FOR COOLING WATER TREATMENT
QUALIFYING REQUIREMENTS TO BE SUBMITTED ALONG WITH TECHNICAL BID****Page 1 of 7**

Sl. No.	Description	Submitted by Vendor	Deviation if Any
Relevant documents / purchase order copies to be provided for all Qualifying requirements listed below:			
1.	Start up experience in a large chemical / petrochemical plant of cooling towers of minimum similar capacity. A minimum of two references are required		
2.	Experience in treating low hardness and low alkalinity water.		
3.	Vendor should have full-fledged manufacturing and R&D set up on India and service support facility at Kochi and carryout servicing directly by the company.		
4.	There should be at least one order for cooling water treatment with a minimum value of Rs. 7.5 Lakhs, in the last three financial years.		
5.	Annual turnover details for the supply of water treatment chemicals for the last three financial years		
6.	ISO certified company (preferred)		
7.	Concurrent commitments of the vendor		
9.	Technical data sheet, write up and material safety and data sheet of the offered chemicals.		
10	Vendors shall have experience in supplying cooling water treatment chemicals and effectively treating/Monitoring of treatment program for cooling towers that operates with low hardness and low alkalinity Makeup/circulation water systems of not less than 5000		

	M3/Hr or more for not less than two years of operation in the last five years. Vendors shall submit successful experience/Completion /Performance certificate along with documentary evidence for work order as a proof of carrying out the treatment program.		
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Vendors having their own manufacturing facilities with all obligatory certifications like ISO 9001,14001, and OHSAS 45001for the integrated Quality management System shall be preferred.

Signature of vendor:

Date:

DETAILS THAT ARE TO BE INCLUDED IN THE IN TECHNICAL BID

Sl. No.	Description	Offer from Vender	Deviation if Any
1.	System details and water analysis after the vendor's study.		
2.	Chemical treatment programme details		
3.	Chemical consumption, daily, monthly and yearly. The recommended dosage in PPM to be given separately for each chemical Including calculation details.		
4.	The procedure for change over from the present treatment system to new system without stoppage of cooling tower.		
5.	Exact quantity of extra chemicals required for smooth change over to the new system		
6.	The treatment shall have the following 1. Corrosion Inhibitor 2. Bio-Dispersant 3. Mineral-Dispersant 4. Anti-scalant &Antifoulant 5. Non-oxidizing biocides (2 Nos.) minimum out of which one should be 45%glutaraldehyde 6. Chemicals required for generation of ClO ₂ generation 7. Chemicals/biocides required in the absence of ClO ₂ dosing.		

Signature of vendor:

Date:

DETAILS THAT ARE TO BE INCLUDED IN THE IN TECHNICAL BID

Sl. No.	Description	Offer from Vender	Deviation if Any
7.	All Cooling water Control Parameters shall be specified. The parameters to be controlled in the system have to be specifically mentioned in the offer and should be adhered during the Treatment programme.		
8.	Contingency plan has to be detailed in the technical bid for the following		
	a) Hydrocarbon ingress into system		
	b) Chlorination failure		
	c) pH fluctuation		
	d) Lube Oil/grease ingress into system		
	e) High iron content		
	f) High turbidity of Makeup water.		
	g) High Chloride in Makeup water.		
9.	Vendor shall specify the dosages of caustic soda and chlorine very clearly. Caustic soda and Chlorine required for the treatment will be supplied by HOCL free of cost.		
10.	The cost of Caustic soda and Chlorine consumed in excess of the specified dosages shall be to the vendor's account.		

Signature of vendor:

Date:

REQUIREMENTS TO BE AGREED BY VENDOR IN TECHNICAL BID

Sl. No.	Description	Agreement by Vender	Deviation if Any
1.	All services and technical assistance shall be Provided by the Vendor till such time the ordered quantity of chemicals is fully used or 2 years whichever is more.		
2.	a) Service personnel have shall be posted at site to stabilize the treatment programme		
	b) Your service representative shall visit the cooling tower on daily basis to monitor the programme (for corrective, preventive actions & routine analysis) and recommendation dosage.		
3.	Your expert technical personnel from head quarters shall be made available within 24 hrs. as and when required.		
4.	You shall supply and maintain all dosing equipments (minimum 3 dosing pumps) and aids for dosing, controlling the treatment programme.		
5.	You shall supply and maintain all the monitoring equipments and kits / aids for daily monitoring, controlling and reporting the treatment programme and for monitoring of all control parameters of makeup and circulating cooling water. The items shall include		
	1. Corrosion monitor		
	2. Fouling monitor		
	3. Deposit monitor		
	4. ClO ₂ generator using chlorinated water.(Party shall visit site to ascertain the existing chlorination system for compatibility with your ClO ₂ generation.)		
	5. Chemical analysis Kits including all reagents and Microbe detection test slides		
	6. All Glass Ware		

Signature of vendor:

Date:

REQUIREMENTS TO BE AGREED BY VENDOR IN TECHNICAL BID**Page 5 of 7**

Sl. No.	Description	Agreement by Vender	Deviation if Any
6.	All control parameters including ORP of circulating and make up water shall be analyzed by the vendor at site on daily basis to control the parameters and to optimize the chemical consumption and for trouble-shooting.		
7.	The procedure / method for analysis of above parameter shall be given.		
8.	a) Microbiological analysis shall be done fortnightly. Microbiological analysis for TVC, SRB & Iron Bacteria shall be done fortnightly. (First fortnight sample shall be tested using Microbe detection test slides at HOCL and second fortnight sample shall be done through outside approved laboratories)		
	b) Corrosion evaluation shall be done monthly.		
9.	Daily monitoring shall include, monitoring of all the control parameters of circulating cooling water and make up water and control measures to be adopted and quantity of chemicals to be added.		
10.	There shall be no deviation in the consumption of chemicals recommended for the treatment to maintain the specified parameters; especially the consumption should not go high with respect to recommended dosage. The chemicals actually consumed in excess of the quantity specified in your offer shall be borne by the vendor.		
11.	Training (class room lecture) on general Water treatment and subjects specific to this programme is to be arranged at site.		

Signature of vendor:

Date:

REQUIREMENTS TO BE AGREED BY VENDOR IN TECHNICAL BID

Page 6 of 7

Sl. No.	Description	Agreement by Vender	Deviation if Any
12.	All the parameters to be controlled in the system should be adhered during the treatment programme. The dosage of the chemicals offered / recommended should be strictly adhered, to maintain the required parameters.		
13.	Following Reports shall be submitted a) Weekly reports shall contain the average, maximum, minimum of all control parameters, consumption of chemicals, stock position(stock at site & at Stores), deviation if any, corrective / preventive actions made, suggestion if any.		
	b) Monthly reports shall contain trends of all control parameters (Tabular form and graphical), measurement of COC (cycles of concentration), corrosion evaluation, ORP study, calculation / details, microbiological study (Results of TVC, SRB & Iron Bacteria), actual consumption vs. projected consumption, chemical stock, analysis, deviation, corrective / preventive actions and improvements including identification and arresting the system leakages to maintain/improve the cycle of concentration & key performance indicators and all exchanger flow rate measurements.		

Signature of vendor:

Date:

REQUIREMENTS TO BE AGREED BY VENDOR IN TECHNICAL BID

Sl. No.	Description	Agreement by Vender	Deviation if Any
14.	Guarantee		
	a) The corrosion on MS Coupon shall not exceed 3MPY.		
	b) The corrosion coupons shall be free from inorganic & biological fouling, deposit corrosion & pitting corrosion.		
	c) The installation & evaluation of corrosion coupon shall be in accordance with ASTM D-2688-1992.		
	d) TVC to be less than 1×10^5 / MI		
	e) SRB to be less than 60 Col / 100 ml		
	f) Iron Bacteria to be less than 5 org/ 100 ml		
	g) All the control parameters will be maintained within limits with the recommended dosages of respective chemicals.		

PARAMETER TO BE MAINTAINED BY THE VENDOR

1. Circulating Water -PH- 6.8 - 7.2 Circulating Water - PO₄³⁻ 8.0 - 12.0
 (Other Control Parameters are to be given by the vendor based on their study of the system and Make Up water details)

Signature of vendor:

Date:

PART A - COOLING WATER TREATMENT
ANNEXURE VII (1 of 2)

CHEMICAL REQUIREMENTS FOR COOLING WATER TREATMENT AND THE DOSAGE OF CHEMICALS TOBE SUBMITTED ALONG WITH TECHNICAL BID

Sl. No.	Description	Name of Chemical	Recommended Dosage(PPM)	Daily Requirement / Basis of Addition (Calculation to be as specified below)
	Regular Chemicals			(Daily Requirement in kG)
	a) Corrosion Inhibitor			
	b) Bio-Dispersant			
	c) Mineral- Dispersant			
	d) Antiscalant			
	e) Antifoulant			
	f) Non-oxidising biocide - 1			
	g) Non-oxidising biocide – 2 (shall be glutaraldehyde 45%)			
	h) Chemical required for generating ClO ₂ using chlorinated water			
	Contingency Chemicals			(Basis of Addition)
	(a) Hydrocarbon ingress			
	(b) Chlorination failure			
	(c) pH fluctuation			
	(d) Lube Oil / grease ingress			
	(e) High iron content			
	(f) High Turbidity in Make up			
	(g) High Chloride in Make up			

THE BASIS OF CALCULATION SHALL BE BASED ONLY ON TOTAL BLEED-OFF: 22 M³/HR. AND HOLD UP VOLUME OF 3750 M³.

Signature of vendor:

Date:

ANNEXURE VII (2 of 2)

QUANTITY OF CHEMICALS TO BE SUBMITTED ALONG WITH TECHNICAL BID

Sl. No.	Description	Name of Chemical	Recommended Dosage(PPM)	Daily consumption	Monthly consumption	Yearly consumption
	Regular Chemicals					
	a) Corrosion Inhibitor					
	b) Bio-Dispersant					
	c) Mineral-Dispersant					
	d) Antiscalant					
	e) Antifoulant					
	f) Non-oxidising biocide - 1					
	g) Non-oxidising biocide – 2 shall be glutaraldehyde 45%					
	h) Chemical required for generating ClO ₂ using chlorinated water					
	i)Caustic Soda (Will be supplied by HOCL)					
	j) Chlorine (Will be supplied by HOCL) – Chlorinated water for use in ClO ₂ generator		Reqd. Flow (Kg/Hr)	No. of Hrs Reqd.		

(Vendor shall specify the dosages of caustic soda and chlorine (for use in ClO₂ generator) which shall also be a parameter for evaluation of the offer.)

Signature of vendor:

Date:

PART B - BOILER WATER TREATMENT CHEMICALS
ANNEXURE -I

SCOPE OF THE WORK

The work involves detailed study of the boiler water system and supply of conventional boiler water treatment chemicals and treatment of Boiler water in our plant at Ambalamugal. Presently we are using the water treatment chemicals supplied by M/s. Chembond Water Technologies Ltd. Please note that in case of a changeover of the chemicals to a new one, we'll not be able to stop the Boiler and the required water treatment has to be done in continuation to the existing ones. The details of our Boiler are given in **ANNEXURE IV** enclosed herewith.

The vendor shall specify the parameters to be controlled in the Boiler system.

- a) In the event of placing order, the vendor shall ensure adherence to these parameters during the contract period. The dosage of the chemicals offered/ recommended shall be strictly adhered to. The chemicals & instruments supplied **shall** be accompanied with test and calibration certificates. The containers of chemicals to be properly identified with item description, quantity, date of manufacture, date of expiry, Batch number etc. The quantity of chemicals required for wet preservation shall be considered separately.
- b) Any higher requirements of chemicals to maintain the boiler water parameters in control as compared to the originally recommended dosage of the chemicals shall be to the vendors account.
- c) A performance bank guarantee has to be furnished for maintaining the Boiler water parameters in control using the recommended dosage of the chemicals. (Refer clause no: 8 of GENERAL TERMS & CONDITIONS in Annexure.)
- d) Service personnel as required are to be posted by the vendor in site to stabilize the boiler water treatment programme and to monitor it daily and maintain the parameters.
- e) Regular analysis of boiler feed water, boiler water, DM water and Condensate will be done by HOCL. (The standard water parameters analyzed by HOCL are given in Annexure V).
- f) **Reports** have to be submitted to the Engineer in charge indicating the treatment parameters, chemical stock position at site, deviations if any and corrective / preventive action to be taken **(See Annexure II)**.
- g) The details that are to be indicated in Technical Bid are given in a consolidated format as Annexure – II & III. These formats have to be filled up and signed by the vendor and enclosed along with the Technical Bid.
- h) The chemical requirements are to be given by the vendor in the format given in ANNEXURE VII. This is to be enclosed in the Technical Bid.

Interested vendors can visit our site on any working day to collect any further details required prior to submitting the bids.

PART B - BOILER WATER TREATMENT CHEMICALS
ANNEXURE II

DETAILS THAT ARE TO BE INDICATED IN PART I – TECHNICAL BID

- a. System details and water analysis after your study.
- b. Chemical treatment programme.
- c. Chemical Consumption / recommended dosage per day.
- d. Boiler water Control Parameters
- e. Technical services offered. (Such as training, optimization of dosage, expertise in monitoring and control.)
- f. Qualifying Requirements as listed below
- g. Technical data sheet and Material safety data sheet of all offered chemicals.
- h. Chemical supplied to be accompanied with Test Certificate & all containers of chemicals to be properly identified with item description, quantity, date of manufacture, date of expiry, batch No. etc.
- i. Training on general water treatment to be arranged by you.
- j. Monthly monitoring of reports to be submitted to Engineer-in-charge
- k. Weekly monitoring of system to be done by you.
- l. Priced Bid Format PARTC (ANNEXUREV)

PART B - BOILER WATER TREATMENT CHEMICALS**ANNEXURE - III****SPECIAL INSTRUCTIONS**

Following details shall be clearly mentioned in the Technical Bid.

1. The procedure for change over from the present treatment system to your system without stoppage of BOILERS.
2. The type of chemicals indented to be used for the following and its dosage to be given in Technical Bid.
 - Antiscalant, Corrosion inhibitor & sludge Conditioner
 - Oxygen Scavenger
 - Condensate line protection
 - Feed Water PH Booster (volatile)
3. Copy of MSDS of all chemicals offered. All the chemicals shall be bio degradable and non hazardous. The function of each chemical, specification, shelf life and safe handling procedure to be given in MSDS of each product/chemical.
4. Services to be provided by the vendor till such time the ordered quantity of chemicals are fully used or 2 years whichever is more. Charges for the services to be included in the prices of chemicals. No additional charges will be given by HOCL.
 - a. Your service representative shall be available on daily basis to monitor the programme (for corrective, preventive actions & routine analysis).
 - b. Your expert technical personnel shall be made available within 24 hrs, as and when required.
 - c. The details of complete laboratory test kits including all testing reagents and all glass wares for daily monitoring of all control parameters of Feed Water, Boiler Water and Condensate Water etc. shall be detailed in your technical bid. **Colloidal Silica in feed water shall be analyzed twice in a month.**
 - d. All control parameters of circulating and make up water to be analyzed by you at site on daily basis to control the parameters and to optimize the chemical consumption and for trouble shooting. The procedure/ method for analysis of above parameters are to be given to us.
 - e. Reports to be submitted
 - Daily monitoring shall include, monitoring of all the control parameters of boiler water and condensate. Control measures to be adopted and quantity of chemicals to be added.
 - Weekly reports shall contain the average of control parameters, chemical stock position (stock at site & at Stores), deviation if any, corrective/preventive actions made, suggestion if any.
 - Monthly reports shall contain trends of all control parameters, measurement of COC (cycles of concentration), calculation / details, actual consumption vs. Projected consumption, chemical stock, analysis, deviation, corrective / preventive actions and improvements including cause analysis of deviations in any of the parameters & reporting of key performance indicators.
 - f. Training on general water treatment and subjects specific to this programme shall be arranged.

PART B - BOILER WATER TREATMENT CHEMICALS
ANNEXURE IV

SPECIFICATION OF BOILERS

No .of Boilers	: 3 Boilers (2 main Boilers of which one is standby + 1 Package Boiler
Type	: BI drum, natural circulation, oil fired, Water Tube Boilers
Capacity	: 24.25T/Hr
Pressure	: 20Kg/cm ²
Steam Quality	: Dry saturated
Makeup	: De-mineralized water and condensate.

PART B - BOILER WATER TREATMENT
ANNEXURE – V

I. STANDARD BOILER WATER PARAMETERS ANALYSED BY HOCL

Boiler Drum Water	Boiler Feed Water	DM Water	Condensate
pH	P H	pH (5 -6.8)	pH
Conductivity (Mhos)	Conductivity (Mhos)	Conductivity (0.7 - 1.57) (Mhos)	Conductivity (Mhos)
Total Phosphate as PO ₄ PPM	-	-	-
Iron as Fe PPM	Iron as Fe PPM	Iron (0.02) PPM	Iron as Fe PPM
Silica as SiO ₂ PPM	Silica as SiO ₂ PPM	Silica (0.21) as SiO ₂ PPM	-
Hydrazine N ₂ H ₄ PPM	Hydrazine as N ₂ H ₄ PPM	-	-
P Alkalinity as CaCO ₃ PPM	-	-	-
M Alkalinity as CaCo3 PPM	-	-	-
TDS PPM	-		
TH as CaCO ₃ PPM	TH as CaCO ₃ PPM	-	-

* Regular analysis of boiler feed water, boiler water, DM water and condensate will also be done by HOCL. (As given above) in addition to your analysis.

* Condensate utilisation 40% (only in case of Main Boilers)

* Average Steam generator - 13MT/hr

* Average Feed Water Consumption - 15MT/hr

II. PARAMETER TO BE MAINTAINED BY THE VENDOR			
1. Feed Water - P ^H -	8.5 - 9.5	5. Condensate - P ^H	8.0 - 9.0
2. Boiler Drum Water - P ^H	10.0 - 11.0	(Other Control Parameter is to be given by the vendor based on their study of the system and feed water details)	
3. Boiler Drum Water - PO ₄	25.0 - 40.0		
4. Boiler Drum Water - Hy-drazine	0.1 - 1.0		

PART B - BOILER WATER TREATMENT
ANNEXURE VI

CHECK LIST FOR BOILER WATER TREATMENT

QUALIFYING REQUIREMENTS TO BE SUBMITTED ALONG WITH TECHNICAL BID

Page 1 of 7

Sl. No.	Description	Submitted by Vendor	Deviation if Any
Relevant documents / purchase order copies to be provided for all Qualifying requirements listed below:			
1.	Start up experience in a large chemical / petrochemical plant of BOILERS of minimum similar capacity. A minimum of two references are required		
2.	Vendor should have fully fledged manufacturing and R&D set up on India and service support facility at Kochi and carryout servicing directly by the company.		
3.	There should be at least one order for Boiler water treatment with a minimum value of Rs. 2 Lakhs, in the last three financial years.		
4.	Annual turnover details for the supply of water treatment chemicals for the last three financial years		
5.	ISO certified company (preferred)		
6.	Concurrent commitments of the vendor		
7.	Technical data sheet, write up and Material safety and data sheet of the offered chemicals.		

Signature of vendor:

Date:

DETAILS THAT ARE TO BE INCLUDED IN THE IN TECHNICAL BID**Page 2 of 7**

Sl. No.	Description	Offer from Vendor	Deviation if Any
1.	System details and water analysis after the vendor's study and control parameters to be specified.		
2.	Chemical treatment programme details		
3.	Chemical consumption, daily, monthly and yearly. The recommended dosage in PPM to be given separately for each Chemical Including calculation details.		
4.	The procedure for change over from the present treatment system to new system.		
5.	The containers of chemicals to be properly identified with item description, quantity, date of manufacture, date of expiry, batch No. etc.		

Signature of vendor:

Date:

DETAILS THAT ARE TO BE INCLUDED IN THE IN TECHNICAL BID

6.	All Control Parameters of FEED WATER, BOILER WATER and CONDENSATE shall be specified. The parameters to be controlled in the system have to be specifically mentioned in the offer and should be adhered during the treatment programme. Colloidal Silica in feed water shall be analyzed twice in a month.		
7.	Higher requirements of chemicals to maintain the control parameters shall be to the vendor's account		
8.	Performance bank guarantee for maintaining the Boiler water control parameters using the recommended dosage of the chemicals has to be furnished by the vendor.		
9.	The treatment shall have the following <ol style="list-style-type: none"> 1. Antiscalant, Corrosion inhibitor & sludge Conditioner 2. Oxygen Scavenger 3. Condensate line protection 4. Feed Water PH Booster (Volatile) 		

Signature of vendor:

Date:

REQUIREMENTS TO BE AGREED BY VENDOR IN TECHNICAL BID

Sl. No.	Description	Agreement by Vender	Deviation if Any
1.	All services and technical assistance shall be Provided by the Vendor till such time the ordered quantity of chemicals is fully used/consumed or 2 years whichever is more.		
2.	c) Service personnel have shall be posted at site to stabilize the treatment programme		
	d) Your service representative shall visit the boilers on daily basis to monitor the programme (for corrective, preventive actions & routine analysis) and recommendation dosage.		
3.	Your expert technical personnel from head quarters shall be made available within 24 hrs. as and when required.		
4.	You shall supply all the kits / aids for daily monitoring, controlling and reporting the treatment programme and for monitoring of all control parameters of feed water, Boiler water and condensate water		
6.	All control parameters of Feed Water, Boiler Water and Condensate water shall be analyzed by the vendor at site on daily basis to control the parameters and to optimize the chemical consumption and for troubleshooting.		

Signature of vendor:

Date:

REQUIREMENTS TO BE AGREED BY VENDOR IN TECHNICAL BID**Page 5 of 7**

Sl. No.	Description	Agreement by Vender	Deviation if Any
7.	The procedure / method for analysis of above parameter shall be given.		
8.	Daily monitoring shall include, monitoring of all the control parameters of Feed Water, Boiler Water and Condensate water and the necessary control measures to be adopted and quantity of chemicals to be added.		
9.	There shall be no deviation in the consumption of chemicals recommended for the treatment to maintain the specified parameters; especially the consumption should not go high with respect to recommended dosage. The chemicals actually consumed in excess of the quantity specified in your offer shall be borne by the vendor.		
10.	Training (class room lecture) on general water treatment and subjects specific to this programme is to be arranged at site.		

Signature of vendor:

Date:

REQUIREMENTS TO BE AGREED BY VENDOR IN TECHNICAL BID

Sl. No.	Description	Agreement by Vender	Deviation if Any
11.	All the parameters to be controlled in the system should be adhered during the treatment programme. The dosage of the chemicals offered / recommended should be strictly adhered, to maintain the required parameters.		
12.	Following Reports shall be submitted		
	c) Weekly reports shall contain the average, maximum, minimum of all control parameters, consumption of chemicals, stock position (stock at site & at Stores), deviation if any, corrective / preventive actions made, suggestion if any.		
	d) Monthly reports shall contain trends of all control parameters (Tabular form and graphical), including but not limited to measurement of COC (cycles of concentration), Calcium and Magnesium hardness, Silica, Colloidal Silica in feed water (fortnightly), actual consumption vs. projected consumption, chemical stock, analysis, deviation, corrective / preventive actions and improvements including identification & reporting of key performance indicators.		

Signature of vendor:

Date:

REQUIREMENTS TO BE AGREED BY VENDOR IN TECHNICAL BID

THE FOLLOWING PARAMETERS SHALL BE MAINTAINED			
1. Feed Water - PH -	8.5 - 9.5	5. Condensate - PH	8.0 - 9.0
2. Boiler Drum Water - PH	10.0 - 11.0	(Other Control Parameter shall be given by the vendor based on their study of the system and feed water details)	
3. Boiler Drum Water - PO4	25.0 - 40.0		
4. Boiler Drum Water - Hydrazine	0.1 - 1.0		

Signature of vendor:

Date:

PART B - BOILER WATER TREATMENT
ANNEXURE VII

QUANTITY OF CHEMICALS TO BE SUBMITTED ALONG WITH TECHNICAL BID

Chemical Requirement Boiler Water Treatment							
SL.N O	Purpose	Basis of Calcula- tion	Product Name	Dos- age	Qty/day	Qty/Month	Qty/year
1	Antiscalant, Corrosion inhibitor & sludge Conditioner	Feed water Consumption 15 Mt/hr.					
2	Oxygen Scavenger	Feed water Consumption 15 Mt/hr.					
3	Condensate line protec- tion	Steam genera- tion 13 Mt/hr					
4	Feed Water PH Boost- er(Volatile)	Feed water Consumption 15 Mt/hr.					
1. Antiscalant & Corrosion inhibitor sludge conditioner (To be Calculated based on feed water consumption)							
2.OxygenScavenger (To be Calculated based on feed water consumption)							
3. Condensate line protects (To be Calculated based on steam generation)							
4. Feed Water P ^H booster (Volatile). (To be Calculated based of Feed water Consump- tion)							

Signature of vendor:

Date:

PART C
ANNEXURE-I

GENERAL INSTRUCTIONS TO BIDDERS FOR BID SUBMISSION

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

1. . Quotations shall be submitted online on or before the due date and time of closing the tender. The Techno commercial bid containing the Technical specification of the Products and Proof of satisfactorily meeting the Eligibility Criteria and all commercial terms should be uploaded as per instructions given in Annexures. The Price bid should be submitted in price bid format given.
2. Techno commercial bid shall be opened electronically on specified date and time given in NIT. Bidders can witness the electronic opening of bid .The date and time of opening of the price bids will be intimated to the technically qualified bidders after evaluation of the Technical bids via email alerts through the valid emails confirmed.
3. 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."
4. The bids shall be neatly typed in English language with pages consecutively numbered and shall be signed on all pages by authorized persons. Bids shall be free from over writing and all corrections shall be duly attested by the bidder.
5. 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.
6. HOCL reserves the right, without assigning any reason whatsoever, to accept or reject any or all bids in part or in full or cancel this enquiry.
7. HOCL reserves the right to extend without giving any reason(s) the closing date/time of the enquiry.
8. Bids shall be valid for a minimum of 60 days from the due date for receipt and opening of the bids.
9. Purchase Preference to Central Public Sector Enterprises of Govt. Of India and MSMEs shall be as per Govt. of India policy in vogue.

PART C
ANNEXURE- I A

INSTRUCTIONS FOR ONLINE BID SUBMISSION

The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal. Information useful for submitting online bids on the CPP Portal may be obtained at: <https://eprocure.gov.in/eprocure/app>.

REGISTRATION

- 1) Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL: <https://eprocure.gov.in/eprocure/app>) by clicking on the link “**Online bidder Enrollment**” on the CPP Portal which is free of charge.
- 2) As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
- 3) Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.
- 4) Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / nCode / eMudhra etc.), with their profile.
- 5) Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC's to others which may lead to misuse.
- 6) Bidder then logs in to the site through the secured log-in by entering their user ID / password and the password of the DSC / e-Token.

SEARCHING FOR TENDER DOCUMENTS

- 1) There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, Organization Name, Location, Date, Value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as Organization Name, Form of Contract, Location, Date, Other keywords etc. to search for a tender published on the CPP Portal.
- 2) Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective ‘My Tenders’ folder. This would enable the CPP Portal to intimate the bidders through SMS / e-mail in case there is any corrigendum issued to the tender document.
- 3) The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.

PREPARATION OF BIDS

- 1) Bidder should take into account any corrigendum published on the tender document before submitting their bids.
- 2) Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents - including the names

and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.

3) Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF/JPG formats. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.

4) To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use "My Space" or "Other Important Documents" area available to them to upload such documents. These documents may be directly submitted from the "My Space" area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

Note: *My Documents space is only a repository given to the Bidders to ease the uploading process. If Bidder has uploaded his Documents in My Documents space, this does not automatically ensure these Documents being part of Technical Bid.*

SUBMISSION OF BIDS

1) Bidder should log into the site well in advance for bid submission so that they can upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.

2) The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.

3) Bidder has to select the payment option as "offline" to pay the tender fee / EMD as applicable and enter details of the instrument.

4) Bidder should prepare the EMD as per the instructions specified in the tender document. The original should be posted/couriered/given in person to the concerned official, latest by the last date of bid submission or as specified in the tender documents. The details of the DD/any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise the uploaded bid will be rejected.

5) Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid has been given as a standard BoQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BoQ file, open it and complete the white coloured (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BoQ file is found to be modified by the bidder, the bid will be rejected.

6) The server time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.

7) All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128 bit encryption technology. Data storage encryption of sensitive fields is done. Any bid document that is uploaded to the server is subjected to symmetric encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption

using buyers/bid opener’s public keys. Overall, the uploaded tender documents become readable only after the tender opening by the authorized bid openers.

7) The uploaded tender documents become readable only after the tender opening by the authorized bid openers.

8) Upon the successful and timely submission of bids (i.e. after Clicking “Freeze Bid Submission” in the portal), the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.

9) The bid summary has to be printed and kept as an acknowledgement of the submission of the bid. This acknowledgement may be used as an entry pass for any bid opening meetings.

ASSISTANCE TO BIDDERS

- 1) Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.
- 2) Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk.

<u>Contact Person (National Informatics Centre)</u>	<u>HOCL Work Co-ordinator</u>
<p>Mr. MIDHUN BABU DM (CORP./MAT) - HOCL MOBILE NO. 8921387812, 8547196394 0484-2727464</p>	<p>1. MR. AJIT M DIVAKARAN CE (MECHANICAL / UTILITY) MOBILE NO.9494881542 0484 – 2727440</p> <p>2. MR. SHYAM A K DM (MECH) MOBILE NO.9995057877/ 0484 – 2727390</p>



PART C
ANNEXURE II

ELIGIBILITY CRITERIA FOR PARTICIPATING IN THE BID

1. Being a standardized item, Offers from 1) M/s Thermax (Chemical Division, South), 2). M/s Ion Exchange ,3) M/s Chembond Water Technologies Ltd & 4). M/s Naico Water India Ltd. will only be considered.
2. Only manufacturers or their authorized dealers having sound financial capability and who can supply the chemicals as per the scope enclosed should submit the offers. Vendors who have been blacklisted in the past by any PSU shall not submit the bids.
3. Vendor should have technical and commercial capability to supply the materials as per HOCL requirements'.
4. Start up experience in a large chemical/petrochemical plant including pre-cleaning, passivation etc. A minimum two references are required each for both cooling water treatment and boiler water treatment.
5. Experience in treating low hardness and low alkalinity water (cooling water treatment). Vendor should have full-fledged manufacturing and R & D set up.
6. Vendor must also have service support facility at Cochin to carry out servicing directly by the Company.
7. Vendor must have executed orders of value of 61.36Lakhs for the similar water treatment supply contracts for cooling towers and boiler in the last three years.
8. Vendor must have executed at least one single order of value of 15.34 lakhs for the similar water treatment supply contracts for cooling towers and boiler in the last three years.
9. Vendor should submit balance sheet (Profit & Loss) for last three financial years.
10. Vendor should upload the satisfactory performance certificate/ Purchase Order copies from renowned customer.
11. Documentary evidence for all the above parameters is to be furnished by the bidder along with the Technical bid. However, the existing registered vendors of HOCL (for the said item) who were enlisted after ascertaining the above parameters may be exempted from furnishing the details against point no. 7,8,9 and 10.
12. MSE vendors as well as starts ups are eligible for relaxation on condition of prior turn over and prior experience subject to meeting of quality and technical specifications.
13. 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). Such bidders should submit the valid copy of registration certificate along with tender.

- Relevant documents/purchase order copies are to be submitted to substantiate the above qualifying requirements. Please note that technical evaluation shall be done on the basis of criteria fixed by HOC and HOC reserves the right to accept or reject any or all bids without assigning any reasons whatsoever. Vendor should sign and upload the required documents given in PART A and PARTB
- Vendors who are already registered with HOCL for the supply of water treatment are not required to furnish credentials against point no4, 5&6.

8. Technical offers submitted by existing suppliers will be evaluated considering the past Performance of the chemicals supplied by them to HOCL.

PART C
ANNEXURE-III

GENERAL CONDITIONS OF TENDER AND CONDITIONS OF THE TENDER

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

1. **QUALITY**: Must confirm to the specifications given in the tender.
2. **BOQ** :Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable .If the price bid has been given as a standard BOQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BOQ file, open it and complete the white colored (unprotected) cells with their respective financial quotes and other details (such as name of the bidder).No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BOQ file is found to be modified by the bidder, the bid will be rejected.
3. **PRICES**: The price quoted shall be for delivery at our factory at Ambalamugal, Ernakulam District, Kerala state. The price shall be quoted in detail as per statement given in Annexure V. Unless otherwise specified in the order, the order prices shall remain FIRM and will not be subject to escalation of any description during pendency of the order, notwithstanding any change in the cost of materials or of labour or any other cost element which may take place while this order is being carried out. Please indicate the GST rate, HSN code and GSTIN of your firm. Purchaser's GSTIN is 32AAACH2663P1ZG.
4. **PAYMENT TERMS**: Payment shall be released by HOCL within 30 days of receipt and acceptance of the material at HOCL site.
5. **DELIVERY PERIOD**: The delivery schedule shall be given by HOCL and you shall be responsible for arranging supplies as per the schedule. In case the supplier fails to deliver the consignment within the period prescribed, HOCL shall be titled to recover from supplier's pending bills against the order or from any other bills a penalty of ½% of the price of the goods in arrears per week at discretion of the HOC subject to maximum of 5%. Technical Assistance shall be offered till such time the ordered quantity of chemicals is fully used (consumed) or 1 years whichever is more.

At present the treatment programme is indented for a period of 1 year. Since we want to start the chemical treatment programme immediately on finalization of tender, the supply of chemical should be affected immediately on placement of the Letter of Intent and hence the chemicals should be available ex-stock preferably at Cochin. Therefore, the tenderer should indicate their best firm delivery time in the offer. Also, the prices should be firm for the above said period. Vendor has to take utmost care that there is no stock out situation. Stock out situation will be viewed very seriously.

6. **PERIOD OF CONTRACT**: The contract for supply of chemicals shall be for a period of 1 year. No guarantee can be given about the exact quantity of chemicals that will be lifted from you. The chemical

treatment programme will have to be started as soon as the tender is finalized and the supply of chemicals will have to be effected as soon as the letter of intent is placed. The vendor shall carry sufficient inventory of chemicals at Cochin to meet the demands in time. Though the contract is for a period of 1 years. The work order will be initially awarded for a period of 1 year. The performance will be reviewed after one year and if found satisfactory the contract will be renewed for next year at the same rates, terms and conditions on a mutually agreeable basis.

7. **TERMINATION OF ORDER:** The order is subject to termination if the chemicals fail in giving the desired performance parameters agreed upon or if you fail to supply items as per delivery schedule agreed. In such case the performance guarantee will be invoked and HOCL shall make alternate arrangements to carry out the work at the risk and cost of failed supplier.
8. **VALIDITY OF OFFER:** Offer shall be valid for a minimum period of 90 days from the last date of submission stipulated for the tender. The bidder shall not be entitled during the contract period, to revise the rate or withdraw from the contract or vary any of the tender conditions without the consent of HOCL in writing.
9. **EARNEST MONEY DEPOSIT (EMD):** Bid shall be accompanied with a refundable EMD of **Rs.13,000/-** along with the technical bid. EMD may be submitted in the form of Insurance security bond /NEFT / RTGS/ Bank Guarantee from any Nationalized/ Scheduled bank. NEFT/ RTGS may remit to Hindustan Organic Chemicals Ltd., through our banker M/s. State bank of India, Branch : CBD BELAPUR, A/c. No. 00000037881840330, IFSC: SBIN0013551. Details of bank transfer should be indicated in your offer. EMD of the successful tender may be adjusted against the PBG payable. EMD of a tenderer shall be forfeited if he withdraws or amends his tender or impairs or derogates from the tender in any respect within the validity period of the tender.

HOCL Vendors who have already supplied the material to HOCL, PSUs and Vendors registered with MSE need not submit EMD. MSE vendors have to submit valid NSIC registration/UAM/exemption certificate along with the Techno-commercial bid. Under MSE category, only manufacturers for goods are eligible for exemption from EMD. Traders are excluded from the purview of this.
10. **SECURITY DEPOSIT:** In case an order is placed on you, you will have to furnish security deposit worth **5 %** of the order value within 21 days of issue of Purchase Order. Security deposit may be in the form of Insurance surety bond or Bank Guarantee from of any Nationalized/ Scheduled bank or by NEFT/RTGS. SD will be forfeited in the event of a breach of any of the terms of the contract by the supplier. SD amount will be returned within 60 days of successful completion of the order against written request from party. PSU vendors are exempted from SD.
11. **INSURANCE:** - Supplier shall inform details of despatch so that Insurance can be arranged by HOCL. As soon as the material is dispatched please intimate the details to us by Mail.
12. **PUBLIC LIABILITY** : It is your responsibility to safely deliver the products to our site in sound and fit road tankers. The transporter engaged should have necessary public liability insurance coverage.
13. **PURCHASE / PRICE PREFERENCE:** Purchase / Price Preference or any other concessions applicable for SSI Units / PSUs will be as per latest Government of India Directives. **For availing this benefit, the bidder should make their claim in the Bids itself and enclose necessary documentary evidence to prove their eligibility.**

14. **RIGHT TO PROCURE FROM ALTERNATIVE SOURCE**: In the event of non-supply by the vendor on whom purchase order is placed, HOCL reserves the right to procure the item of same quality from an alternative source at the cost and risk of the Vendor.
15. **RIGHT TO REJECT A BID**: HOCL reserves the right to reject any bid due to reasons such as: (a) Vendor not following above bidding procedures, (b) Vendor not being technically acceptable to HOCL, (c) Vendor not agreeing with the general conditions of the tender, (d) Not enclosing any particular documents asked for, (e) Any other valid reason.
Also company reserves the right to reject any or all offers without assigning any reason and opinion/decision of the company in the matter shall be final and conclusive.
16. **LIQUIDATED DAMAGES**: In the event of the supplier's failure to deliver the goods by the dates specified in the contract, the purchaser may without prejudice to his any other rights hereunder, recover from the supplier liquidated damages @ 0.5 percent per week of delay of the contract price of the undelivered goods, subject to a maximum of 5%.
17. **Restriction on procurement from Bidder who shares the land border with India**
1. 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.
 2. All Bidders shall furnish compliance certificate with respect to above clause as per the format in Annexure VI-E along with the bid.
18. **ARBITRATION OF DISPUTES:-**
All disputes, differences, questions and claims arising out of, under or touching upon this Tender /Agreement/ Purchase Order/ Work Order shall be settled amicably between the parties through mutual discussion. If the parties fail to resolve the dispute by such mutual consultation within 21 days, then such disputes, difference, questions or claims shall be referred for resolution through arbitration by either of the parties to the India International Arbitration Centre or a Sole Arbitrator mutually agreed upon by the parties from a panel of arbitrators. The award of Arbitration shall be final and binding on the parties. The seat of the Arbitration shall be at Kochi, Kerala, India and the proceedings of the arbitration shall be held at Kochi, Kerala, India in accordance with the India International Arbitration Centre Act 2019 / Indian Arbitration & Conciliation Act 1996 or any statutory modification or re-enactment thereof for the time being in force.
When the contract is with foreign vendor, the vendor has the option to choose arbitration in accordance with the provisions of The India International Arbitration Centre Act 2019 / The Indian Arbitration and Conciliation Act, 1996 / UNCITRAL (United Nations Commission on International Trade Law Arbitration) Arbitration Rules."
19. **JURISDICTION**:- All questions, disputes or differences arising under or in connection with this contract shall be subject to the exclusive jurisdiction of the courts in Ernakulam, Kerala, India only.
20. **SIGNING AND SEALING ON ALL PAGES OF BID** :- The vendor shall duly fill, sign and seal on all the pages of the bids submitted failing which bids are liable to be rejected.

21. GENERAL INFORMATION TO SUPPORT THE GROWTH OF MSME BUSINESS:-

" The Government of India offers two excellent opportunities to elevate the quality and sustainability of MSME businesses—the ZED Certification (Zero Defect Zero Effect) and the MSME Competitive (Lean) Scheme—both designed to improve product quality, enhance competitiveness, and provide access to government benefits."

Eligible MSMEs shall apply through online portal: <https://zed.msme.gov.in/> <https://lean.msme.gov.in/>.

22. **NOTE :-** The requirement will also be floated through both NIC and GeM portal and order will be finalized on the most competitive offer among the technically accepted offer received against both the portal.

PART C
ANNEXURE IV

TECHNICAL BID FORMAT

(Techno commercial Bid should contain the following details which must be uploaded in the NIC website in PDF format)

1. Commercial Terms as per format given in tender term (ANNEXURE-VI PART C)
2. Required BID Security Declaration.
3. Detailed Technical specification of the Chemical offered as per PART A and PARTB
4. Proof of satisfactorily meeting all the Eligibility criteria Conditions given in Annexure-II
5. Signed copy of the terms and conditions of the enquiry as given in Annexure-III
6. Un priced price bid fomate

PART C
ANNEXURE – V

COOLING WATER & BOILER WATER TREATMENT

PRICE BID FORMAT

- a) Quantity (total quantity required for 12 months :
to be mentioned in respective column in BOQ)
- b) Basic Cost of chemical per Kg
(For Caustic & Chlorine only quantity to be specified in BOQ) :
- c) P & F Charges (%) :
- d) Freight (%) :
- e) GST (%) :

(SUPPLY RATE TO BE INCLUSIVE OF SERVICE CHARGES ALSO)

The quantity recommended by technical department will be considered for price evaluation which will be done manually. Contingency chemical's rate to be mentioned in the respective column in BOQ. However the same will not be considered for financial evaluation.

PART C
ANNEXURE VI A

COMMERCIAL TERM FORMAT

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

ALL THE DETAILS ASKED BELOW MAY BE FURNISHED ON YOUR LETTER HEAD. SEPARATE SHEETS MAY BE ATTACHED WHEREVER SPACE IS FOUND TO BE INSUFFICIENT. NOT FURNISHING COMPLETE INFORMATION WILL LEAD TO REJECTION OF APPLICATION.

I. FOR OFFERS THROUGH NIC CPP PORTAL, VENDORS CAN OFFER THEIR BASIC RATE AND GST IN THE BOQ ITSELF

II. FOR OFFERS THROUGH GEM PORTAL, RATE QUOTED SHOULD BE INCLUSIVE OF GST. (AS PER GEM STANDARD TERMS AND CONDITIONS ONLY, NO DEVIATION WILL BE ALLOWED)

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):	
8	Confirm whether you are manufacturer of offered product	<input type="radio"/> Yes <input type="radio"/> No
9	Guarantee/warranty applicable for the product you have quoted:(Details to be uploaded along with technical bid)	
11	Certificates provided along with supply:	
12	Payment Term offered :	
13	Terms of delivery offered :	
14	Validity of offer	
15	Delivery period	
16	Deviation in specification/ terms and conditions if any	
<u>Signature and Stamp</u>		

PART C
ANNEXURE VI B

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

Name of Bidder:		
Sr. No.	Commercial Clauses	Bidder Confirmation (Please put \surd 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		

PART C
ANNEXURE VI C

COMMERCIAL TERM FORMAT

(For Purchase Order/ Work Order with estimated value more than FIVE Lakhs)

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

(KINDLY FILL AND SUBMIT ALONG WITH COMMERCIAL/TECHNICAL BID)

NAME OF BIDDER:

Sr.No.	COMMERCIAL CLAUSES	BIDDER CONFIRMATION (PLEASE PUT \checkmark)
1	Please mention whether you are a Class-I/Class II Local supplier.(Please see the definition given below)	Class I Class II
2	Specify the percentage (%) of local content.	_____ %
3	Details of location at which the local value addition is made.	
4	Mention whether the product offered is manufactured in India under a license from a foreign manufacturer who hold intellectual property rights and there is a technology collaboration agreement / Transfer of technology agreement	Yes / No

SELF DECLARATION OF LOCAL CONTENT

We hereby declare that the percentage(%) of local content specified against mentioned against Sr.No.2 is _____%. We also understand that submitting False self-declarations and auditors will be in breach of Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a Bidder or its successors can be debarred for up to Two Years as per the Rule 151 (iii) of the General. Financial Rules along with such other actions as may be permissible under Law.

Definitions

Local Content: - The amount of value added in India(Total value of item procured minus the value of imported content in the item(including all customs duties) as a proportion of total value, in percentage.

Class I Local Supplier: - Supplier or service provider whose goods, services or works offered for procurement has local content equal to or more than 50%.

Class II Local Supplier: - Supplier or service provider whose goods, services or works offered for procurement has local content more than 20% but less than 50 %.

Purchase Preference: -Will be as per the applicable Government order.

DATE

SIGNATURE AND STAMP

PART C
ANNEXURE VI D
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

PART C
ANNEXURE VI E

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 boarder 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



Basic Details

Organisation Chain	Hindustan Organic Chemicals Limited Materials Department - HOCL		
Tender Reference Number	MAT/PUR/33526/26		
Tender ID	2026_HOCL_912770_1	Withdrawal Allowed	Yes
Tender Type	Limited	Form of contract	Supply
Tender Category	Goods	No. of Covers	2
General Technical Evaluation Allowed	No	ItemWise Technical Evaluation Allowed	No
Payment Mode	Offline	Is Multi Currency Allowed For BOQ	No
Is Multi Currency Allowed For Fee	No	Allow Two Stage Bidding	No

Payment Instruments

Offline	S.No	Instrument Type
	1	R-T-G-S
	2	NEFT
	3	Bank Guarantee

Cover Details, No. Of Covers - 2

Cover No	Cover	Document Type	Description
1	Fee/PreQual /Technical	.pdf	Commercial terms duly filled signed and sealed as per Annexure VI A,B,C,D,E
		.pdf	Documents Satisfying Eligibility Criteria
		.pdf	Detailed technical specification of the offered chemicals as per part A and B in the tender document
		.pdf	Dully filled, signed and sealed copy of terms and conditions as per Part C of tender documents.
		.pdf	Dully filled, signed and sealed copy of Annexure VI and VII of Part A and B to be submitted
		.pdf	Unpriced BOQ Format-Please

			mention quoted or not quoted in the respective column
		.pdf	Deviation statement, if any should be indicated separately.
2	Finance	.xls	BOQ

Tender Fee Details, [Total Fee in ₹ * - 0.00]

Tender Fee in ₹	0.00		
Fee Payable To	Nil	Fee Payable At	Nil
Tender Fee Exemption Allowed	No		

EMD Fee Details

EMD Amount in ₹	13,000	EMD Exemption Allowed	Yes
EMD Fee Type	fixed	EMD Percentage	NA
EMD Payable To	HINDUSTAN ORGANIC CHEMICALS LTD.	EMD Payable At	State bank of India,CBD BELAPUR

[Click to view modification history](#)

Work / Item(s)

Title	TENDER FOR THE SUPPLY OF WATER TREATMENT CHEMICALS				
Work Description	TENDER FOR THE SUPPLY OF WATER TREATMENT CHEMICALS				
Pre Qualification Details	Please refer Tender documents.				
Independent External Monitor/Remarks	DETAILS GIVEN IN TENDER DOCUMENT				
Show Tender Value in Public Domain	No				
Tender Value in ₹	26,00,363	Product Category	Miscellaneous Goods	Sub category	CHEMICALS
Contract Type	Rate Contract	Bid Validity(Days)	60	Period Of Work(Days)	365
Location	HOCL, AMBALAMUGAL	Pincode	682302	Pre Bid Meeting Place	NA
Pre Bid Meeting Address	NA	Pre Bid Meeting Date	NA	Bid Opening Place	HOCL, AMBALAMUGAL
Should Allow NDA Tender	No	Allow Preferential Bidder	No		

Critical Dates

Publish Date	15-Jun-2026 06:00 PM	Bid Opening Date	30-Jun-2026 02:00 PM
Document Download / Sale Start Date	15-Jun-2026 06:15 PM	Document Download / Sale End Date	29-Jun-2026 02:00 PM
Clarification Start Date	NA	Clarification End Date	NA
Bid Submission Start Date	15-Jun-2026 06:30 PM	Bid Submission End Date	29-Jun-2026 02:00 PM

Tender Documents

NIT Document	S.No	Document Name	Description	Document Size (in KB)
	1	Tendernotice_1.pdf	TENDER NOTICE	556.91

Work Item Documents	S.No	Document Type	Document Name	Description	Document Size (in KB)
	1	Tender Documents	termsnic.pdf	TENDER TERMS AND CONDITIONS	1219.29
	2	BOQ	BOQ_959263.xls	BILL OF QUANTITIES	266.50

Limited Bidders List

S.No.	Bidder Name	Bidder Login Id
1.	CHEMBOND WATER TECHNOLOGIES LIMITED	subhra.chakraborty@chembondwater.com
2.	ION EXCHANGE (INDIA) LTD	checro@ionexchange.co.in
3.	Nalco Water India Pvt Ltd	pradip.lakhani@ecolab.com
4.	Thermax Ltd (Chemical Division)	amit.dhundi@thermaxglobal.com

Auto Extension Corrigendum Properties for Tender

Iteration	No. of bids required for bid opening a tender	Tender gets extended to No. of days
1.	3	7

Bid Openers List

S.No	Bid Opener Login Id	Bid Opener Name	Certificate Name
1.	kp.unnimaya@hoclindia.com	UNNIMAYA K P	UNNIMAYA K P
2.	pk.babu@hoclindia.com	P K Babu	P K BABU
3.	b.balachandran@hoclindia.com	BALACHANDRAN B	BALACHANDRAN B

GeMARPTS Details

Reason for non availability of GeMARPTS ID	Urgent nature of Procurement
Remarks	Considering the chance of non receipt of offer or over rated offer through GeM portal , HOCL has decided to float the requirement of Water Treatment Chemicals through GeM Portal as well as NIC Portal .
Document Name	exemp.pdf
Document Size (in KB)	590.47

Tender Properties

Auto Tendering Process allowed	No	Show Technical bid status	Yes
Show Finance bid status	Yes	Stage to disclose Bid Details in Public Domain	Technical Bid Opening
BoQ Comparative Chart model	Normal	BoQ Comparative chart decimal places	2
BoQ Comparative Chart Rank Type	L	Form Based BoQ	No

TIA Undertaking

S.No	Undertaking to Order	Tender complying with Order	Reason for non compliance of Order
1	PPP-MII Order 2017	Agree	AGREE
2	MSEs Order 2012	Agree	AGREE

Tender Inviting Authority

Name	CGM MATERIALS
Address	HOCL, AMBALAMUGAL-682302

Tender Creator Details	
Created By	UNNIMAYA K P
Designation	ASSISTANT MANAGER
Created Date	12-Jun-2026 12:16 PM