



HINDUSTAN ORGANIC CHEMICALS LTD
(A Government of India Enterprise)
AMBALAMUGAL, COCHIN – 682 032
Phone: (0484) 2720911, FAX No. (0484) 2720893

OPEN E-TENDER NOTICE

HOCL Invites e Bids under two bid system for the supply of following item.

Item description: SUPPLY AND INSTALLATION OF "ON-LINE CONTINUOUS STACK EMISSION MONITORING SYSTEM"
as per attached RFQ NO. 6000021314/2482/70644

HOCL Tender Ref: MAT/PUR/70644/19

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

Interested parties may please get registered with NIC e-procurement (URL: <https://eprocure.gov.in/eprocure/app>) to participate in the tender. Tenders submitted other than through online procedure specified will not be accepted. Please visit the above sites regularly for any addendum/ corrigendum/extension before submitting the offers.

EARNEST MONEY DEPOSIT (EMD):- Rs.30,000/-

Thanking you,

Yours Faithfully,

For Hindustan Organic Chemicals Limited
(GSTIN: 32AAACH2663P1ZG)

K R Usharani
CGM (MATERIALS)



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(A Government of India Enterprise)
AMBALAMUGAL, COCHIN – 682 032
Phone: (0484) 2720911, FAX No. (0484) 2720893

MAT/PUR/70644/19

16.02.2019

M/s.

Dear Sir,

Hindustan Organic Chemicals Ltd. is a Govt. of India Undertaking manufacturing Phenol, Acetone & Hydrogen Peroxide at its plant at Kochi, Kerala, India. HOCL invites e-tenders **for supply and installation of "ON-LINE CONTINUOUS STACK EMISSION MONITORING SYSTEM" 2 Nos. as per specification attached.** Detailed specification is given in the tender documents.

Tender documents are uploaded in HOCL website www.hoclkochi.com and www.eprocure.gov.in

The details of the tender are as shown in **INDEX** enclosed

You may submit your offer on two bid system online before the due date and time specified.

Closing date of Tender : 11.03.2019 at 2.00 pm

Opening Date of Tender : 12.03.2019 at 2.00 pm

Thanking you,

Yours faithfully,

For Hindustan Organic Chemicals Ltd.
(GSTIN: 32AAACH2663P1ZG)

K R Usharani
CGM (MATERIALS)

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TENDER REF NO: MAT/PUR/70644/19 DATED 16.02.2019

PROCESS CONDITIONS

TECHNICAL SPECIFICATION FOR ON-LINE CONTINUOUS STACK

EMISSION MONITORING SYSTEM

1) PARAMETERS OF MAIN BOILER FLUE GAS

TEMPERATURE: 172 °C

VELOCITY: 4.19m/s

VOLUME OF EMISSION: 7962Nm³/hr

PARTICULATE MATTER: 71.80mg/Nm³

SULPHUR DIOXIDE: 136.40mg/Nm³

OXIDES OF NITROGEN: 42.70 mg/Nm³

CARBON MONOXIDE: 44mg/Nm³

2) FOR HOT OIL FURNACE

TEMPERATURE: 270 DEG C

VELOCITY: 5.31m/s

VOLUME OF EMISSION: 36330Nm³/hr

PARTICULATE MATTER: 73.20mg/Nm³

SULPHUR DIOXIDE: 1146.90 mg/Nm³

OXIDES OF NITROGEN: 46.50mg/Nm³

CARBON MONOXIDE: 427mg/Nm³

MEASURABLE GAS COMPONENTS AND MEASURING RANGE

1) FOR MAIN BOILER

<i>GAS COMPONENT</i>	<i>MINIMUM</i>	<i>NORMAL</i>	<i>MAXIMUM</i>	<i>RANGE</i>
CO	20 mg/NM³	45 mg/NM³	200 mg/NM³	0-400 mg/NM³
NO_x	20 mg/NM³	45 mg/NM³	450 mg/NM³	0-600 mg/NM³
SO₂	20 mg/NM³	135 mg/NM³	1700 mg/NM³	0-2000 mg/NM³
SPM	20 mg/NM³	70 mg/NM³	100 mg/NM³	0-200 mg/NM³
RATE OF FLOW (EMISSION)	0 NM³/hr	7940 NM³/hr	30,000 NM³/hr	0-35,000 NM³/hr

2) FOR HOT OIL FURNACE STACK

<i>GAS COMPONENT</i>	<i>MINIMUM</i>	<i>NORMAL</i>	<i>MAXIMUM</i>	<i>RANGE</i>
CO	20 mg/NM³	45 mg/NM³	200 mg/NM³	0-400 mg/NM³
NO_x	20 mg/NM³	45 mg/NM³	450 mg/NM³	0-600 mg/NM³
SO₂	20 mg/NM³	135 mg/NM³	1700 mg/NM³	0-2000 mg/NM³
SPM	20 mg/NM³	70 mg/NM³	100 mg/NM³	0-200 mg/NM³
RATE OF FLOW (EMISSION)	0 NM³/hr	35475 NM³/hr	70,000 NM³/hr	0-75,000 NM³/hr

TECHNICAL REQUIREMENTS FOR ON-LINE CONTINUOUS STACK

EMISSION MONITORING SYSTEM

1. PRE BID VISIT TO THE SITE IS TO BE ARRANGED FROM VENDOR'S END BEFORE SUBMITTING THE TECHNICAL BID.
2. IF A SAMPLE HANDLING SYSTEM IS REQUIRED THE SAME IS ALSO TO BE INCLUDED IN PRICE BID.
3. AS IT IS STATUTORY TO UPLOAD THE STACK MONITORING ANALYZER DATA TO POLLUTION CONTROL BOARD WEBSITE, THE SW/HW/FACILITY TO DO SO ALSO TO BE INCLUDED.
4. REMOTE CALIBRATION FACILITY OF THE ANALYZER AS REQUIRED BY THE POLLUTION CONTROL BOARD NORMS WITH CALIBRATION GASES AND ALL OTHER REQUIRED SETUP SHOULD BE INCLUDED.
5. MINIMUM CONSUMABLES REQUIRED TO MAINTAIN THE ANALYZER FOR AT LEAST TWO YEARS ALSO TO BE QUOTED SEPARATELY.
6. INSTALLATION AND COMMISSIONING OF THE ANALYZERS INCLUDING DATA UPLOADING TO BE INCLUDED.
7. FUELS USED IN THE FURNACE ARE FO/LSFO/LNG/LSHS
8. SUPPLY SHOULD BE COMPLIANT TO LATEST GUIDELINES BY CPCB/KSPCB. (THE GUIDE LINES AS ON AUGUST 2018 IS ATTACHED FOR YOUR REFERENCE).
9. VENDOR TO SUBMIT NECESSARY APPROVALS WITH THEIR TECHNICAL BID
10. WARRANTY/GURANTEE CERTIFICATE FOR MINIMUM ONE YEAR TO BE GIVEN.
11. THE VENDOR MUST BE READY FOR A COMPREHENSIVE MAINTENANCE CONTRACT FOR THE MAINTENANCE OF THE SYSTEM, AFTER GUARANTEE PERIOD.

GENERAL TERMS AND CONDITION OF TENDER

1. Please submit your e-bids conforming to the specifications and the terms and conditions attached as per instructions given below:-
2. HOCL has entered into an Agreement with nic for e procurement through their portal www.eprocure.gov.in. Quotations shall be submitted online on or before the due date and time of closing the tender.
3. Bids shall be opened electronically on specified date and time given in NIT.
4. 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."
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 90 days from the due date for receipt and opening of the bids.
9. Specification of the Product: Specifications offered product shall be uploaded along with Bid.
10. Payment terms shall be: a) 30 days credit or b) 90% against dispatch documents through bank and balance within 30 days of receipt and acceptance of materials and installation at HOCL site. In the latter case or any other terms offered, suitable bank charges shall be loaded for price comparison.
11. Delivery period must be clearly mentioned in your offer in the absence of which offer will be treated as on "Ex-stock basis". In case of delayed delivery a penalty of ½% of the price of the goods on arrears per week subject to a maximum of 5% will be levied.
12. Bids shall be submitted online. Tenders submitted other than through online procedure specified will not be accepted. Tenders should be free from overwriting or erasing. Corrections and additions, if any must be attested.
13. As far as possible the rate should be quoted on FOR Destination basis.
14. The rate should always be indicated for the unit mentioned in the tender.
15. Prices shall be considered to be firm once the order is placed. If supply is not effected in time, risk purchase shall be carried out at the cost of the tenderer. Tenderer is also liable to be blacklisted in case of default.

16. Tenderer should agree for inspection of material at their site, if desired by HOCL. The inspection will be carried out by the representative of HOCL or by a third party or jointly.
17. The Tenderer must specify their GSTIN No & HSN code of material offered in the BID.
18. Supplier must extend the benefits to HOCL if there is any subsequent fall in price or if the same materials are offered to any other customer at lower price.
19. Transit Insurance will be arranged by HOCL.
20. Manufacturers test certificate in original or attested, guarantee certificates in original, drawings in original etc. as applicable shall be provided along with the supply.
21. Tenderer may attach necessary catalogues/drawings/detailed specifications of the items wherever required. Also clearly specify the make/model of the item offered.
22. Purchase preferences, EMD/SD Exemption etc for PSUs/SSI units etc will be applicable as per GOI directives from time to time. For this, the tenderer should claim their eligibility along with the supporting documents in their offer itself.
23. If the tenderer is deviating from any of the above terms mentioned, your offer is liable to be rejected.
24. **Earnest Money Deposit (EMD):** A refundable **EMD of ₹30000/-** , to be submitted along with the technical bid. EMD may be submitted in the form of Bank transfer through our banker M/s State Bank Of India, Ambalamedu Branch, A/c No:10342163665; IFS Code:SBIN0001108. Details of bank transfer should be indicated in your technical offer. EMD may also be submitted by way of Bank Guarantee from any scheduled banks .EMD of the successful tender may be adjusted against the security Deposit payable. EMD of unsuccessful bidder will be returned after finalization of the tender. 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.
25. PSUs and Vendors registered with NSIC need not submit EMD, but have to submit valid NSIC registration/exemption certificate along with the Techno-commercial bid. In the event of order being finalised on vendor registered with NSIC, the vendor have to pay Security Deposit payable for the satisfactory performance of the contract.
26. **Security Deposit:** Successful bidder will have to pay a Security deposit of 5% of the order value towards satisfactory performance of the contract. SD has to be submitted by way of Bank Guarantee from a Scheduled bank within 21 days of placement of Order. SD will be forfeited in the event of any breach of contract by the supplier. SD will be refunded to the contractor within 60 days of completion of contract. PSUs are exempted from payment of Security Deposit.
27. **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) Not enclosing EMD with the techno commercial bid or EMD paid being lesser than the stipulated amount (d) Vendor not agreeing

with the general conditions of the tender. (e) Not enclosing any particular documents asked for (f) Any other valid reason.

28. **Price**: The price quoted shall be for delivery at our factory at Ambalamugal, Ernakulam District, Kerala state. The price quoted by the vendor shall remain firm during the period of contract.
29. **Insurance**: HOCL shall arrange the transit insurance for the materials.. However, the vendor shall promptly inform HOCL regarding despatches for arranging insurance. The transporter engaged should have necessary public liability insurance coverage
30. **Supply Schedule**: Vendor should complete the supply and installation within 3 months of placement of order.
31. **Opening Of Bids**: Techno commercial bids will be opened electronically at **2.00 pm on 12.03.2019** in presence of attending bidders. HOCL, after evaluation of the techno commercial bids, will subsequently inform all those technically acceptable vendors regarding the date and time of opening of the price bids.
32. **Disputes**: In the event of a contract being executed, all cases of disputes between seller and buyer shall be settled through arbitration as per Indian arbitration and Conciliation act 1996 or any amendments from time to time. The decision of the arbitration shall be final and binding on both the parties.
33. **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 Technical Bids itself and enclose necessary documentary evidence to prove their eligibility.

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 enrol 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 Enrolment**" 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.

TENDER NO: MAT/PUR/70644/19 dated 16.02.2019

TECHNICAL BID FORMAT

Techno commercial Bid should contain the following details which must be uploaded in the NIC portal in .pdf format.

1. Your covering letter of the offer on your company letter head
2. Required EMD bank transfer details
3. Detailed Technical specification of the Equipments offered as per RFQ60000021314/2482/70644 & Annexure - I and II
4. Proof of satisfactorily meeting all the Eligibility criteria Conditions given in Annexure-VII
5. Signed copy of the Terms And Conditions of the enquiry as given in Annexure-III
6. Payment terms offered
7. Un priced price bid format
8. Commercial bid format filled up Annexure VI

NOTE: FOR ANY TECHNICAL SPECIFICATION PLEASE CONTACT Mr. V I DHARMAPALAN AND Mr. L K APPU.

CONTACT DETAILS AS BELOW

1. Mr. V I DHARMAPALAN
CGM (TSS/F&S/QC)
LANDLINE: 0484 – 2727493, MOB: 9539074749
MAIL ID: vi.dharmapalan@hoclindia.com
2. Mr. L K APPU
GM (TSS)
LANDLINE: 0484 – 2727410, MOB: 9447810484
MAIL ID: lk.appu@hoclindia.com

Commercial Terms Format

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

Name and Address of Organization:

Phone & Fax No:

GSTIN :

E-mail id for correspondence:

Contact Person Name and Mobile No:

Payment Term offered:

Supply of item:

Installation and commissioning:

Terms of delivery offered:

Freight Charges:

Validity of offer:

Delivery period:

Taxes Applicable:

Warranty offered:

Willingness to accept 4 Year Comprehensive Maintenance Contract: **YES / NO**

ELIGIBILITY CRITERIA FOR PARTICIPATING IN THE BID

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

CRITERIA FOR QUALIFICATION

HOCL will qualify those manufacturers or suppliers who are considered most suitable for the design, supply, installation, testing and commissioning of pollution monitoring system. The selection will take into account the firm's relevant experience in the manufacture or supply of the tendered item, financial soundness and capacity, and the overall performance relating to earlier contracts executed by them.

Technical Capability

1. The Bidder can be
 - a) Original Equipment Manufacturer (OEM) or
 - b) Authorized dealer / sub-dealer of the OEM for the offered item.
 - c) Authorized representative of the OEM for the offered item.
2. The bidders shall possess sufficient technical experience in the field of design, supply, installation, calibration, testing and commissioning of online continuous stack emission monitoring system and online effluent quality monitoring system with real-time data answer facility according to the latest standards. The bidders shall furnish necessary documentary proof of their experience in the field.
3. Only the certified processes / sensors by the agencies like USEPA, MCERTs and UBA will be accepted. However, the Indian manufacturers can install such devices where the certified sensors are installed and their results will be matched by the third party accredited laboratory and by CPCB at the expense of the Bidder.
4. The bid shall also be accompanied by copies of performance certificate received from any State Govt. /Central Govt. undertakings in support of satisfactory performance of the supply of similar items.
5. The monitoring equipment supplied should satisfy all the conditions as per the directives of Kerala State Pollution Control Board and Central Pollution Control Board as on the day of submission of bid.
6. Equipment to be supplied should have a track record of successful operation and transmission of monitored data to SPCB and CPCB servers on continuous basis for at least six months, in any large industry, Public sector undertakings / State Electricity boards in India. The list of such industries with contact details should be provided.
7. The bidders should upload copies of at least 3 Purchase order / Work order for the Design, supply, erection, installation, testing and commissioning of similar equipment issued by public sector undertakings / State Electricity Boards etc. as proof of their experience.

8. Either the OEM or authorized vendors/suppliers of continuous emission monitoring equipment and effluent monitoring equipment only can participate in the tender. Valid authorization certificate from the OEM shall be submitted along with the tender.
9. Copy of satisfactory performance certificate from the any Public sector undertakings/any large industry where similar CSEMS is installed and in operation for at least 6 months shall be provided.
10. The analyzers being offered should be compliant to USEPA, TUV, MCERTS or equivalent as per CPCB regulations.
11. The bidder should have valid contract with OEM for supply of spares, installation, testing and commissioning as well as service support during the period of Warranty and should be ready to accept a Comprehensive Maintenance Contract for a period of four years after Warranty period. The relevant document will have to be submitted by the bidder along with technical bid.
12. The entire system offered shall be sourced from or assembled at OEM works i.e. all components involved shall be imported or sourced from OEM only.
13. Final evaluation of the bid will be based on the cost of design, erection, supply, installation, testing and commissioning.
14. Vendors who have been blacklisted in the past by any PSU shall not submit the bids.
15. Vendors must have executed orders of minimum value of Rs.120 Lakhs for similar items in the last 3 financial years.
16. Vendor should have executed at least one order of minimum value of Rs.30.00 lakhs for supply and installation of "ON-LINE CONTINUOUS STACK EMISSION MONITORING SYSTEM" in the last 3 financial years.
17. Vendor shall submit a solvency certificate of a scheduled bank worth minimum Rs.15.00 lakhs.

Documentary evidence for all above parameters is to be furnished by the bidder with the technical bid.



आई एस ओ 9001-2008 & आई एस ओ 14001 यूनिट
AN ISO 9001-2008 & ISO 14001 UNIT

टेलीफोन (एरणाकुलम) 2720911- 14, 2720844 - 45, 2721040 - 43.
फॉक्स : (0484) 2720893.
ईमेल : hoclchin@md2.vsnl.net.in वेब : www.hoclkochi.com
Phone (Ernakulam) 2720911- 14, 2720844 - 45, 2721040 - 43.
Fax : (0484) 2720893.
e-mail : hoclchin@md2.vsnl.net.in Web : www.hoclkochi.com

हिन्दुस्तान ऑर्गेनिक केमिकल्स लिमिटेड
(भारत सरकार का उद्यम)

HINDUSTAN ORGANIC CHEMICALS LIMITED

(A Govt. of India Enterprise)

अंबलमुगल : Ambalamugal - 682 302

एरणाकुलम जिला : Ernakulam Dist. केरल : Kerala भारत : India

REQUEST FOR QUOTATION

RFQ NO. 6000021314/2482/70644

RFQ DATE : 16.02.2019

Due Date/Time : 11.03.2019 / 14:00

Open Date/Time: 12.03.2019 / 14:00

HOCL GSTIN : 32AAACH2663P1ZG

Dear Sirs,

We shall be grateful to receive your quotation in duplicate for the supply of the under mentioned articles subject to our standard terms and conditions attached herewith. Quotations indicating price, terms of delivery, detailed specification, relevant drawings, pamphlet and literature wherever applicable shall reach us on or before the due date and time stipulated above.

Kindly provide your GSTIN, HSN Code of goods and rate of GST % for all items.

SL. No.	Material Description	Unit	Qty.
1	66145212 ON-LINE CONTINUOUS STACK EMISSION MONITORING SYSTEM 1) PARAMETERS OF MAIN BOILER FLUE GAS TEMPERATURE: 172 0C VELOCITY : 4.19m/s VOLUME OF EMISSION:7962 NM3/hr PARTICULATE MATTER :71.80mg/Nm3 SULPHUR DIOXIDE :136.40mg/Nm3 OXIDES OF NITROGEN:42.70 mg/Nm3 CARBON MONOXIDE :44mg/Nm3 2) FOR HOT OIL FURNACE TEMPERATURE: 270 DEG C VELOCITY : 5.31m/s VOLUME OF EMISSION:36330 NM3/hr PARTICULATE MATTER :73.20mg/Nm3 SULPHUR DIOXIDE :1146.90 mg/Nm3 OXIDES OF NITROGEN:46.50mg/Nm3 CARBON MONOXIDE :427mg/Nm3	Numbers	2

SL. No.	Material Description	Unit	Qty.
	<p>SPECIFICATIONS OF OCEMS FOR MAIN BOILER AND HOT OIL FURNACE STACKS</p> <p>MEASURABLE GAS COMPONENTS AND MEASURING RANGE</p> <p>1) FOR MAIN BOILER</p> <p>GAS COMPONENT:CO MINIMUM :20 mg/NM3 NORMAL :45 mg/NM3 MAXIMUM :200 mg/NM3 RANGE :0-400 mg/NM3</p> <p>GAS COMPONENT:NOx MINIMUM :20 mg/NM3 NORMAL :45 mg/NM3 MAXIMUM :450 mg/NM3 RANGE :0-600 mg/NM3</p> <p>GAS COMPONENT:SO2 MINIMUM :20 mg/NM3 NORMAL :135 mg/NM3 MAXIMUM :1700 mg/NM3 RANGE :0-2000 mg/NM3</p> <p>GAS COMPONENT:SPM MINIMUM :20 mg/NM3 NORMAL :70 mg/NM3 MAXIMUM :100 mg/NM3 RANGE :0-200 mg/NM3</p> <p>RATE OF FLOW(EMISSION) MINIMUM :0 NM3/hr NORMAL :7940 NM3/hr MAXIMUM :30,000 NM3/hr RANGE :0-35,000 NM3/hr</p> <p>2) FOR HOT OIL FURNACE STACK</p> <p>GAS COMPONENT:CO MINIMUM :20 mg/NM3</p>		

SL. No.	Material Description	Unit	Qty.
	<p>NORMAL :45 mg/NM3 MAXIMUM :200 mg/NM3 RANGE :0-400 mg/NM3</p> <p>GAS COMPONENT:NOx MINIMUM :20 mg/NM3 NORMAL :45 mg/NM3 MAXIMUM :450 mg/NM3</p> <p>RANGE :0-600 mg/NM3</p> <p>GAS COMPONENT:SO2 MINIMUM :20 mg/NM3 NORMAL :135 mg/NM3</p> <p>MAXIMUM :1700 mg/NM3</p> <p>RANGE :0-2000 mg/NM3</p> <p>GAS COMPONENT:SPM MINIMUM :20 mg/NM3 NORMAL :70 mg/NM3</p> <p>MAXIMUM :100 mg/NM3</p> <p>RANGE :0-200 mg/NM3</p> <p>RATE OF FLOW(EMISSION)</p> <p>MINIMUM :0 NM3/hr NORMAL :35475 NM3/hr</p> <p>MAXIMUM :70,000 NM3/hr</p> <p>RANGE :0-75,000 NM3/hr</p> <p>PRE BID VISIT TO THE SITE IS TO BE ARRANGED FROM YOUR END BEFORE SUBMITTING THE TECHNICAL BID.</p> <p>IF A SAMPLE HANDLING SYSTEM IS REQUIRED THE SAME IS ALSO TO BE INCLUDED IN YOUR PRICE.</p> <p>AS IT IS STATUTORY TO UPLOAD THE STACK MONITORING ANALYZER DATA TO POLLUTION CONTROL BOARD WEBSITE, THE SW/HW/FACILITY TO DO SO ALSO TO BE INCLUDED IN YOUR PRICE.</p> <p>REMOTE CALIBRATION FACILITY OF THE ANALYZER AS REQUIRED BY THE POLLUTION CONTROL BOARD NORMS WITH CALIBRATION GASES AND ALL OTHER REQUIRED SETUP SHOULD BE INCLUDED IN YOUR PRICE.</p> <p>MINIMUM CONSUMABLES REQUIRED TO MAINTAIN THE ANALYZER FOR AT LEAST TWO YEARS ALSO TO BE QUOTED.</p> <p>EXPERT TECHNICAL ASSISTANCE AND INSTALLATION COMMISSIONING OF THE ANALYZER INCLUDING DATA UPLOADING REQUIRED.</p>		

SL. No.	Material Description	Unit	Qty.
	EQUIPMENT SHOULD HAVE COMPLAINT TO LATEST CPCB/KSPCB GUIDELINES. PART TO SUBMIT NECESSARY APPROVALS WITH THEIR TECHNICAL BID .		

FOR HINDUSTAN ORGANIC CHEMICALS LTD,

K.R.USHARANI
CHIEF GENERAL MANAGER (MATERIALS)