

(This tender aims for already enlisted contractors for this work with HOCL Kochi Unit. Any new contractor who wish to empanel for this type of work may submit their credentials so that they will be evaluated and pre-qualified and shall be considered for similar future work).

REQUEST FOR QUOTATION

RFQ No. :
Collective RFQ No.: 2445/MEC30169
Date : 30.01.2019
Contact Person : L. SHANIL LAL
Due Date/Time : 20.02.2019,14:00:00 Hrs
Opening Date/Time : 20.02.2019,15:00:00 Hrs

Date :30.01.2019

SERVICES REQUIRED AT:

M/s. Hindustan Organic Chemicals Limited,
P. O. Ambalamugal, Kochi-682302,
Kerala, India.

Dear Sirs,

Subject:IN-SITU METALLOGRAPHY OF HOT OIL HEATER TUBES

1. Sealed quotations in duplicate are invited by **Hindustan Organic Chemicals Limited, Ambalamugal** for the works as detailed below. A set of tender documents is enclosed for submitting your quotation.

2. **Name of Work:** IN-SITU METALLOGRAPHY OF HOT OIL HEATER TUBES. A brief description of the scope of work is given separately which is attached herewith.

3. **Last Date of Receipt of Quotations:** Tenders will be received at the office of General Manager (P&A), Hindustan Organic Chemicals Limited, Ambalamugal on or before **20.02.2019** up to **14:00:00 Hrs**. Bids received after the due date will not be considered.

4. **Earnest Money Deposit:** Quotation shall accompany an EMD of **Rs. 2,500.00/-** paid by crossed DD/Bankers Cheque/Cash only of State Bank of India drawn in favor of M/s. Hindustan Organic Chemicals Limited payable at Ambalamedu branch of SBI. Quotations not accompanied with EMD, are liable to be rejected.

5. **Cost of Tender Documents:** Nil.

6. **Submission of Quotations**

6.1 **Single Bid System**

Page 1 of 8 Vendor Sign & Seal
HOCL GSTIN: 32AAACH2663P1ZG

For Hindustan Organic Chemicals Limited
CIN: L99999MH1960GOIO11895

Bidders shall submit their offer in one sealed envelope duly signed and to superscribe as given in 6.2. Envelope shall contain Earnest Money Deposit (if any, see Note No. 4 above) and shall sign on all pages of the offer, this RFQ and details asked for, including pre-qualification (if any) along with a forwarding letter containing all schemes with all technical details, supporting documents, drawings and technical & commercial deviations (if any), and price details duly signed and sealed on all pages.

6.2 Sealed envelope shall be superscribed with Enquiry No. and Offer for IN-SITU METALLOGRAPHY OF HOT OIL HEATER TUBES. **Due Date: 20.02.2019** up to **14:00:00 Hrs** and shall be submitted to **General Manager (P&A), Hindustan Organic Chemicals Limited, Ambalamugal, PIN - 682302, Ernakulam District, Kerala State, India** by post or deposited in the Tender Box kept in our Administrative Building. Bidders shall print their addresses on all envelopes. Late quotations will not be entertained.

6.3 Bidders shall go through all documents attached to the quotation and fill in the blank spaces provided for and submit the same duly signed and dated. Quotation should be completed in all respects and in accordance with the various terms and conditions specified in the enquiry documents. Incomplete quotations are liable to be rejected.

7. Rates

Goods and Service Tax(GST) applicable shall be paid extra, to those who have GSTIN registration, unless otherwise specified elsewhere.

The Tenderer should quote the rates in English both in figures as well as in words. Offers received without the rates in figures and in words are liable for rejection. In case of discrepancy exists between the rates quoted in figures and words, the rates quoted in words will prevail.

8. ESI, PF, Labour Law, SHE (Safety, Health & Environment) etc. # Requirements

Refer Annexure A, B and C attached.

9. Engineer/Officer In-Charge:

Mr. P.V. BABU
CHIEF ENGINEER (MECHANICAL)

10. Defect Liability Period

As per GCC.

11. Payment Terms

50% payment shall be made on completion of site works.

20% on submission of interim report.

Balance 30% on submission of final report.

12. Validity of Offer

The offer shall be valid for a period of 90 days from the last date of submission of tenders. The successful tenders shall sign the **"Form of Rate List"** or execute an agreement in non-judicial stamp paper of appropriate value (to be borne by the contractor) within 21 days from the date of issue of letter of acceptance.

13. Security Deposit

Total security deposit shall be 10% of contract value/actual value of work.

Initial security deposit @ 2.5% of the contract value shall be remitted with HOCL, Kochi within 21 days from the date of receipt of Work Order.

Balance 7.5% will be recovered from the 1st and subsequent running bills/final bill against security deposit at a rate of 10% of the value of each running bill till the total security deposit is collected.

14. Liquidated Damages

If the work is not completed within the stipulated time, the contractor is liable to pay an LD of ½% of the total contract value PER DAY of the delay or part thereof subject to a maximum of 5% of the contract value.

16. Period of Contract

Period of Contract shall be one year from the date of issue of work order.

15. Scope of Supply

MATERIALS

a. Contractor's Scope

All accessories required for the job and competent technician shall be brought to the site by the contractor for satisfactory completion of the work.

b. HOCL's Scope

Scaffolding and platform will be erected at the area where the in-situ metallography is to be done.

220 # 230, 50Hz, A/C supply minimum two points with extension shall be provided.

Adequate lighting at the work spot.

TOOLS AND TACKLES

a. Contractor's Scope

Contractor has to bring all equipments required for grinding, polishing, etching and replication of spots including all consumables, chemicals and tools and tackles required for the satisfactory completion of the job.

b. HOCL's Scope

Nil

17. Time of Completion

5 days from the date of issue of work order/intimation to start the work as per issued work permit.

18. Contract Preference

Contract / Price Preference or any other concessions applicable for MSME / SSI Units / PSUs will be as per latest Government of India Directives. For availing this benefit, the bidder shall make their claim in the Technical Bid itself and enclose necessary documentary evidence to prove their eligibility.

19. Other Terms & Conditions

19.1 The tenderers have to download the **GCC (General Conditions of Contract)** from our web site www.hoclkochi.com and the same has to be returned along with the technical bid duly signed and stamped in all pages. However those who wish to have a hard copy of the same, can collect from us on request. The request for extension of due date will not be entertained in any case.

19.2 In addition to Clause No. 3.7 of our GCC, the tenderers who do not meet the basic requirements (technical / commercial) as per the tender enquiry document and any other important condition having significant bearing on the cost / utility / performance of the required goods, services, etc. will be treated as unresponsive and the tender will be liable to rejection.

19.3 In case you are unable to quote, kindly send the quotation with a regret for our records. Non-receipt of a regret will adversely affect your vendor rating.

19.4 Your quotation must be strictly in enclosed envelope indicating Collective RFQ Number, RFQ Number, Due Date and Name of Work.

19.5 For all future correspondences, please mention the Collective RFQ Number and RFQ Number.

20. The tender notice may be read in conjunction with the standard **General Conditions of Contract (available in www.hoclkochi.com)**, Special Conditions of Contract, Technical Specification, Drawings and other documents forming part of this enquiry.

21. Unless otherwise stated all clauses of General Conditions of Contract and special Conditions of Contract shall generally be applicable to this contract.

Date, Time & Venue of Public Opening of Tender

Date : 20.02.2019

Time : 15:00:00 Hrs

Venue: **Tender Room in Training Centre of HOCL, Ambalamugal.**

Thanking You,

Yours Faithfully,

For Hindustan Organic Chemicals Limited,



L. SHANIL LAL
GENERAL MANAGER (MECHANICAL)
l.shanillal@hoclindia.com

ATTACHMENTS:-

1. Annexure ' A & B ' - ESI, PF, Labour Law Requirements.
2. Annexure ' C ' - Safety, Health and Environment (SHE) Conditions.
3. Annexure ' D ' - Proforma of declaration of black listing / Holiday listing
4. General Conditions of Contract.

Scope of Work

The scope of work involves but not confined to In-situ Metallography of our Hot Oil Heater Tubes and other equipments.

1. Replication technique shall be applied after preparing the surface at selected location of the component to reproduce accurately the metallographic features such as distribution, size and morphology of the carbide precipitation and micro voids associated with early stage of creep damage, inter-granular/ trans-granular cracks typical in stress corrosion and temper embrittlement cases.
2. The procedure of the job shall generally conform to ASTM E-1351.
3. Unless stated otherwise, replicas shall contain weld metal, heat affected zone and base metal.
4. Superior quality of replication consumable shall be used.
5. Fine cleaning of spots by chipping / grinding. The areas for replica shall be prepared by either mechanical or electrolytic polishing means followed by chemical/electrochemical etching of the spots before study/examination.
6. A microscopic examination of each replica shall be made on site to verify that it is of adequate quality and to note signs of material damage (e.g. creep micro or macro cracking) which may require immediate attention. The quality and reproducibility of the replicas should be checked at site by a portable optical microscope before sending them to laboratory. If significant damage is found at a replica site during the onsite examination, the location shall be re-replicated after re-grinding/polishing.
7. Prior to final evaluation of replicas, these shall be coated with a film of vapour-deposited gold or gold-palladium. The coated replicas shall be examined, with a light (optical) microscope at magnification ranging from 100 X to 500 X. Arrangement then shall be made by the NDT agency to view the replicas under Scanning Electron Microscopy (SEM) at magnification ranging from 2000X to 5000X. As per the requirement, HOCL may insist for Third Party Inspection (TPI). In that case, the examination shall be carried out in presence of TPI/HOCL.
8. Analysis of microstructure.
9. Each replica shall be given a unique identification designation. The report shall include a sketch of the component showing the location of each replica site as well as on overall photograph and close up photograph showing the replica location.
10. Generation and submission of the report, stipulating, the remaining life of the tubes.
11. The report shall include the photomicrograph of the replica at each zone where creep damage has occurred, taken at a suitable magnification to show the microstructure and significant findings. A photomicrograph shall be taken of a typical replica of each component.
12. The report shall include the damage classification associated with each zone of interest of each replica and the corresponding recommended re-examination interval.
13. Detailed report with colored photographs (6 sets) shall be submitted giving all observations and details of equipment, consumable etc.
14. If any immediate activity to be done after In-situ Metallography, the procedure for the same shall be submitted.

15. The detailed procedure for in-situ metallography shall be submitted for review and approval.
16. All the above work should be carried out as per HOCL specification and under HOCL inspection.

Schedule of Rates

Name of vendor: HOCL

GSTIN Regn. of vendor:.....

Item No.	Service No. Description	Unit	RFQ Qty	Unit Rate (INR) Figures / Words	Amount (INR)
1	1000218 In-situ Metallography (by Replication Technique)of Hot Oil Heater tubes and other equipments as per the scope of work.	P	25		
Service Account Code(SAC) for 1000218 :..... Rate of Tax :.....					

All fields including Service Account Code and tax rate for all items to be filled by the vendor/contractor failing which your offer is liable to be rejected.

Total Amount Rs:

(In Words Rupees

GSTIN Regn. of Vendor/Contractor:

Date :

Signature and Seal of the Contractor

Collective RFQ No.: 2445

----- Tear-Off Portion to be Pasted on the Envelope Containing Offer -----

Offer For:IN-SITU METALLOGRAPHY OF HOT OIL HEATER TUBES

From: HOCL

**RFQ No.
Collective RFQ No. 2445**

**Due Date: 20.02.2019
Due Time: 14:00:00 Hrs**

**To,
General Manager (P & A),
Hindustan Organic Chemicals Limited,
P. O. Ambalamugal, Ernakulam - 682302,
Kerala, India.**
