

(This tender aims for already enlisted contractors for this work with HOCL Kochi Unit. 00 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.: 2467/MEC30134
Date : 05.02.2019
Contact Person : L. SHANIL LAL
Due Date/Time : 15.02.2019,14:00:00 Hrs
Opening Date/Time : 15.02.2019,15:00:00 Hrs

Date :05.02.2019

SERVICES REQUIRED AT:

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

Dear Sirs,

Subject:REFRACTORY REPAIR WORKS IN HOT OIL HEATER

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:** REFRACTORY REPAIR WORKS IN HOT OIL HEATER. 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 **15.02.2019** 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. 8,700.00/-** 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 12 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 REFRACTORY REPAIR WORKS IN HOT OIL HEATER. **Due Date: 15.02.2019** 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

- 90% payment will be released after completion of work and certification by engineer-in-charge.
- Balance 10% payment will be made after defect liability period of one year.

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 a LD of ½% of the total contract value PER DAY of the delay or part there of 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. HOCL's Scope

HOC will provide the required refractory materials and paints, water, power etc. at one point.

b. Contractor's Scope

Any additional scaffolding and platforms with gratings required for the refractory work shall be arranged by the contractor.

steel scaffolding materials, including shuttering materials such as waterproof plywood and other ancillaries like ice blocks other equipments etc and manpower required for the satisfactory completion of the entire works shall be arranged by the contractor.

TOOLS & TACKLES

a. HOCL's Scope

Nil.

b. Contractor's Scope

All machines, tools and tackles & Consumables required for the work shall be arranged by the contractor.

17. Time of Completion

Time of completion shall be within 15 DAYS from the date of instruction to start the work.

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 : 15.02.2019

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

Scope of work includes, but not limited to the following:-

1. Remove the loose and fallen bricks and its powders from floor and wall inside the heater.
2. Prepare the surface for application of new refractory on the wall.
3. Transportation of refractory material from store to the Heater site and to be kept safe near the heater.
4. Application of refractory.
5. Scaffolding shall be arranged by HOCL through other agency.
6. Inspection and repair of the burner mouth refractory and its repair/ renewal with new Tiles.
7. Removal and application of Ceramic wool on removal panel cover and at all elevation.

Transportation of all required refractory materials and other ancillary materials from store to heater area and back to store with adequate protection under cover by the contractor near to the heater site.

Scaffolding will be provided for cleaning and inspection of tubes by other agency and the same can be used for this work. Any additional scaffolding and platforms with gratings required for the refractory work shall be arranged by you.

Surface cleaning of shell plate and application of epoxy resin paint, installation of calcium silicate blocks/insulating castable (below all shelf flat locations), fixing of SS foil vapour barrier with pins, , insulating fire brick in different shapes and associated anchors where required as per the drawing and instructions of Engineer - in - charge.

Insulating fire bricks shall be laid with fire clay air setting mortar joint, thickness shall not exceed 2mm.

Expansion gap should be provided for insulating fire bricks lining at all tube support location and other locations as per the instructions of Engineer-in-charge. The expansion gaps are to be filled with ceramic fiber blanket of specification 1424°C & 128kg/m³ density (thickness 25mm).

Dismantling of existing ceramic fiber blanket lining with the anchor hardware, surface cleaning and application of epoxy resin paint and renewal of the same and fixing with speed washers as per the instructions of Engineer-in-charge for removable panels(if required).

Dismantling of existing damaged castable lining, preparation and installation of new insulating castables lining at the identified locations in header box using shuttering and anchors/supports shall be under contractor's scope.

Extend of repair shall be decided after inspection of heater. (Header box cover shall be removed by other agency)

The work is at all elevations between 1 Mtr. to 30 Mtrs. up to convention section and chimney portions from 30 mtrs to 54 mtrs. and hence PPE/all safety gadgets, should be worn by the people employed by Refractory contractor.,

THIS IS AN EMERGENCY WORK. Therefore sufficient manpower shall be employed on round the clock basis to complete the entire work within 10 days after issuing man entry permit.

Required number of crews of each comprising adequate number of refractory masons, carpenters, and other skilled labours shall be employed on round the clock basis to complete the work within 5 days.

All debris, soot, refractory waste etc. arising out of the job shall be segregated, weighed and dumped in the dump yard as per the instructions of engineer-in-charge

All machines, tools and tackles & Consumables steel scaffolding materials, including shuttering materials such as waterproof plywood and other ancillaries like ice blocks other equipments etc and manpower required for the satisfactory completion of the entire works has to be arranged by the contractor.

HOC will provide the required refractory materials and paints, water, power etc. at one point. Complete detail of the consumption of materials in the form of reconciliation statement is to be submitted along with the final bill. Balance material shall be returned to store without damage.

Hot oil refractory 189 mm - Radiation zone (East & West) (Exposed wall) Includes application of Calcium silicate block of 75mm thickness, fixing of SS foils with split pins, and application of Insulation brick thickness 114mm and filling the expansion gaps with Ceramic Wool.

Welding of Retention plate, V Hooks holding plate and fixing V-hooks as per specification/ instruction of Engineer-in-Charge are also included in this scope.

Hot oil heater refractory 164mm - Radiation zone (north & south) (shielded wall) includes application of Calcium silicate block of 50mm fixing of SS foils with split pins and Insulation bricks 114 mm two layers.

Welding of Retention plate, V - Hooks holding plate and fixing V-hooks as per specification/ instruction of Engineer-in-Charge are also included in this scope.

Hot oil heater Ceramic wool refractory 150 mm includes safe debolting and dropping down of removable panels, cleaning, and application of anti-rust coating/paints, Fixing bolts, applying new ceramic wool insulation layers, lifting, and mounting on position as per instruction of Engineer-in-charge.

Hot oil heater insulation castables includes removal of damaged insulation castables, cleaning the surfaces, preparation of castable mortar and application in position with suitable water proof shuttering. Supply and arranging water proof shuttering materials, removal of shutters after curing are also included in the scope.

Hot oil heater Header box refractory removal of damaged refractory from header box cases, cleaning the surfaces, application of new castables with mesh wherever required and curing.

Hot oil heater Expansion joints filling includes removal of deteriorated filling materials, cleaning of expansion joints, filling with new Ceramic Wool firmly as per the instruction of Engineer-in-Charge.

Hot oil heater Breach area insulation includes cleaning, removal of damaged insulation refractory materials, preparation and application of new castable mortar at position with required shuttering wherever required as per Engineer-in-Charge. Removal of shuttering material are also included in the scope of work.

Hot oil heater floor area refractory work includes cleaning, removal of damaged refractory, application of refractory castables, and laying of new refractory tiles

filling of expansion joints are also includes in the scope.

Hot Oil Heater convection section refractory work includes access through manhole in between the studded tubes and repair of castables near the soot blower area and opposite site by providing suitable water proof shuttering and application of castable after surface preparation/cleaning. The shuttering shall be removed carefully after curing.

Utmost care shall be taken while dismantling the damages castables/bricks/blocks, in order to safeguards the other non damaged areas.

Schedule of Rates

Name of vendor:

GSTIN Regn. of vendor:.....

Item No.	Service No. Description	Unit	RFQ Qty	Unit Rate (INR) Figures / Words	Amount (INR)
1	<p>1001314</p> <p>HOT OIL HEATER REFRACTORY WITH CALCIUM SILICATE BLOCK 75MM /50MM AND INSULATING FIRE BRICK-114MM THK IN ALL WALLS</p> <p>Hot oil refractory - Includes dismantling of damaged /loosened refractory lining(Brick-Block along with Anchorage) in all four walls of radiation zone upto arch, in full or part thereof, manual cleaning of casing plate from inside, Installation of new calcium silicate block of 75 mm/50mm insulating castable, laying of SS quality foil, laying of insulating fire brick 114 mm(in both standard and special shapes, cutting and dressing as necessary, with mortar, expansion provisions, tie blocks and all other associated activities and peep hole blocks to complete the refractory lining work as per approved drawings, application procedure and ITP as per the instruction of the Engineer - in - Charge and scope of work. (Welding of shell plate, V lugs, holding anchors etc. will be done by HOCL.</p>	M3	5		
	<p>Service Account Code(SAC) for 1001314 :.....</p> <p>Rate of Tax :.....</p>				
2	<p>1001317</p> <p>HOT OIL HEATER REFRACTORY WITH INSULATION CASTABLE WITH VARIOUS THICKNESS AT ALL ELIVATION</p> <p>Hot Oil Heater insulating castables includes removal of damaged insulation castables, and existing anchors and installations of new insulating castables with new anchors in Arch area, Convection zone, Corbles and other areas, as per design lining thickness using water proof quality shuttering materials. IT MAY BE NOTED THAT IN</p>	M3	5		

Item No.	Service No. Description	Unit	RFQ Qty	Unit Rate (INR) Figures / Words	Amount (INR)
	INACCESSIBLE AREAS OF CONVECTION ZONE IF IDENTIFIED FOR REPAIR, THE SAME SHALL ALSO BE DONE BY CONTRACTOR. Necessary repair of casing plate/beams will be arranged by HOCL. Supply of suitable water proof shuttering materials, removal of shutters after curing are also included in the scope. The work shall be done as per the instruction of the Engineer - in - Charge and scope of work.				
	Service Account Code(SAC) for 1001317 :..... Rate of Tax :.....				
3	1001320 HOT OIL HEATER REFRACTORY AT BREECH/STACK AREA WITH INSULATING CASTABLES 50MM THK Hot oil heater Breech area insulation includes cleaning and removal off damaged insulation castables, and existing anchors and installations of new insulating castables with new anchors in the area of Breech, stack etc, .as per design lining thickness using water proof quality shuttering materials. Removals of shuttering, bolting the man holes cover also included in the scope as per the instruction of Engineer - in - Charge and scope of work.	M2	3		
	Service Account Code(SAC) for 1001320 :..... Rate of Tax :.....				
4	1001316 HOT OIL HEATER REFRACTORY WITH CERAMIC WOOL 25X5 MM THK (REMOVABLE PANEL AT EAST + WEST) Hot oil heater Ceramic wool refractory 150 mm includes safe Unbolting and dropping down of Removal panels,including Headerbox Complete dismantling of Ceramic fibre blankets lining with all ancillary materials in removable panels of radiation zone and replacement of the same with 5x25 mm layers of ceramic fibre blankets	M2	6		

Item No.	Service No. Description	Unit	RFQ Qty	Unit Rate (INR) Figures / Words	Amount (INR)
	along with associated activities such as cleaning of plates, providing corrosion resistant paint, providing speed washers etc. as per instruction of Engineer - in - Charge and scope of work. It may be noted that for execution of above job, unbolting of header box and re-fix the same with new gaskets and bolts may be necessary. The corrosion resistant paint, bolts, gaskets etc. will be provided by HOCL at free of cost. (Header box unbolting, dropping down and fixing back will be under other agency)				
	Service Account Code(SAC) for 1001316 :..... Rate of Tax :.....				
5	1001319 HOT OIL HEATER REFRACTORY AT EXPANSION JOINT WITH CERAMIC WOOL Hot oil heater Expansion joints filling includes removal of deteriorated filling materials, cleaning of expansion joints, filling with new Cerwool firmly as per the design and instruction of Engineer - in - Charge and scope of work.	M	200		
	Service Account Code(SAC) for 1001319 :..... Rate of Tax :.....				
6	1001321 HOT OIL HEATER FLOOR AREA REFRACTORY WITH 2LAYER INSULATING CASTABLE AND LOOSE BRICK WORK Hot oil heater floor area refractory work include cleaning , removal of damaged firebricks, replacement of damaged fire bricks and expansion provisions laying of ceramic fibre blanket and relaying of fire bricks after installation of new insulating castables at identified locations in radiation zone floor of the hater. Floor thickness of insulating castables 175mm and 75mm loose bricks as per the instruction of Engineer-in-Charge and scope of	M2	10		

Item No.	Service No. Description	Unit	RFQ Qty	Unit Rate (INR) Figures / Words	Amount (INR)
	work.				
	Service Account Code(SAC) for 1001321 :.....				
	Rate of Tax :.....				
7	1001335 Removal and re-fixing of Burner mouth tiles and repair of the same by casting if required	NOS	9		
	Service Account Code(SAC) for 1001335 :.....				
	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.: 2467

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

Offer For:REFRACTORY REPAIR WORKS IN HOT OIL HEATER

From:

RFQ No.
Collective RFQ No. 2467

Due Date: 15.02.2019
Due Time: 14:00:00 Hrs

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