



This tender floated in NIC - CPP Portal is with Tender ID: 2024_HOCL_826471_1 dt. 18/09/2024 and GeM Portal with GeM Bid No. GEM/2024/B/5409804 dt. 18/09/2024 . The due date for submission is 03/10/2024 at 02:00 PM.

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TENDER NOTICE FOR MAINTENANCE FAC OVERHEAD CONDENSER (E 4507 A/B) - ARC

कार्य का नाम: एफएसी ओवरहेड कंडेनसर (ई 4507 ए/बी) का रखरखाव - एआरसी

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ANNEXURE-I

GENERAL TERMS AND CONDITIONS OF THE TENDER

EARNEST MONEY DEPOSIT NOT APPLICABLE TO NSIC/MSME / SSI Units /PSUs

Quotation shall accompany an EMD of ₹19,000/- shall be paid thro' NEFT/RTGS/ Bank Guarantee

Bank Details - State Bank of India
- A/c No. 37881840330
- IFSC - SBIN0013551
Branch Name - Belapur, Mumbai

Details of bank transfer should be indicated in your technical offer. Quotations not accompanied with EMD, are liable to be rejected.

EMD of the tenderer will be forfeited under the following conditions:-

1. If after opening of the tender, the tenderer revokes his tender or increase his quoted rates.
2. If the tenderer does not commence the work after awarding the contract.
3. No interest on EMD will be paid.
4. EMD of the successful tenderer will be adjusted against the security deposit.
5. EMD of unsuccessful bidders shall be refunded after finalization of the contract and no interest shall be payable.
6. The tender is revoked or varied during its validity period.
7. The Prices are increased unilaterally after the tender opening and during its validity.
8. The tenderer after intimation of acceptance of the tender fails to execute the agreement/or furnish security deposit within the stipulated time.

Pre-qualification Criteria

- Complete set of Tender Document duly filled in and signed by the Tenderer as prescribed in different clauses of the Tender Document.
- GCC duly filled in the relevant portions, signed and stamped all the pages by the tenderer (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.

Pre-qualification Criteria (Not applicable to already registered vendor of HOCL)

- Experience on similar works executed during the last five years and details like monetary value, proof of satisfactory completion of works etc.
- Organization chart giving details of field management at SITE, the tenderer proposes to have for this work including bio-data of the Site-in Charge and key personnel
- The bidder should have well qualified workforce in adequate numbers for handling various stages of the work. The staff/workers details are to be furnished.
- In the case of MSME, necessary certificate (self attested) shall be submitted in the Technical Bid.
- Details of current commitments with copies of Work Orders to be submitted along with Technical Bid.
- Exceptions and deviations, if any, with reference to the Clause No. and page No. of Tender shall be submitted as a separate statement (Deviation Statement)
- Any other technical information the Tenderer likes to furnish.



- Copies of work orders already completed or in progress .
- Completion certificates.
- Tools and tackles available.
- GSTN registration.

Clause - 1 & 2

1. Average annual financial turnover during the last 3 years, ending 31st March of the previous financial year, should be at least **₹2 Lakhs**. (Details of annual financial turnover to be submitted with Documentary proof).
2. Experience of having successfully completed similar works during last 7 years ending last day of month previous to the one in which applications are invited should be either of the following:

Three similar completed works costing not less than the amount equal to **₹2.53 Lakhs**.
OR
Two similar completed works costing not less than the amount equal to **₹3.16 Lakhs**.
OR
One similar completed works costing not less than the amount equal to **₹5.05 Lakhs**.
3. The parties who have been blacklisted / put in holiday list or parties in respect of whom action has been initiated for Blacklisting / Holiday listing by HOCL/any government / Quasi government agencies or any PSUs shall not be considered for award of job. The tenderer should give a written declaration regarding the same.
4. In addition to Clause No.3.7 of our GCC, the tenderer 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.

Security Deposit

Total security deposit shall be 5% of total contract value. This shall be recovered through deductions at the rate of 5% (Five percent) of the value of each running account bill till the total security deposit amount is collected, after which no further deductions shall be made on this account.

Security Deposit shall be refunded not later than 60 days to the contractor without any interest after the completion of contract in all respects and completion of all such obligations under the contract.

Performance Security

Performance security shall be 10% of total work order value of the contract. It shall be furnished within 21 days after notification of award and it shall be released after the defect liability period.

Performance Security shall be furnished in the form of Account Payee Demand Draft/ Bank Guarantee issued from any Commercial Bank in India/ on online payment in an acceptable form.

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.

Period of Contract

The period of the contract shall be **18 months** from the date of issue of work order/LOI.



Defect Liability Period (Period of Liability)

Contractor shall guarantee the work for a period of 12 months from the date of issue of completion certificate. Any damage or defect that may arise or lie undiscovered at the time of issue of completion certificate, connected in any way with the workmanship should be rectified by the contractor at his own expense as deemed necessary by the Engineer-in-Charge.

Scope of Supply

Materials

a. Contractor's Scope

All skilled & Unskilled manpower requirement for the work shall be arranged by the contractor.

Supply of Scaffolding material (pipe, clamps and base plates) and erection of scaffolding if required shall be arranged by the contractor.

b. HOCL's Scope

HOCL shall issue hoses, gaskets (metallic / CAF), pressure gauges, fasteners, tube plugs, air, water, electricity at one point free of cost to the Contractor. In case of CAF Gaskets, HOCL shall provide only the gasket sheets (free of cost) to the contractor. The contractor has to make arrangements to cut the gaskets to the required size. Fasteners (if required) for the final box up work shall be issued by HOCL at free of cost.

Tools and Tackles

a. Contractor's Scope

All machines, tools, tackles, lifting equipments such as crane, chain pulleys, slings, D-shackles, hydraulic test pumps and other tools and equipments required for the satisfactory completion of the work shall be arranged by the contractor.

CRANE / DERRICK required for the successful completion of the entire work shall be arranged by the contractors at his own cost. HOCL shall permit the contractor to hire the HOCL's mobile crane/Forklift on chargeable basis, if it is available and the rate shall be ₹1000/hr. + GST for mobile crane of capacity 18T and ₹600/hr. + GST for Forklift of 3T Capacity.

NON-AVAILABILITY OF HOCL CRANE SHALL IN NO WAY RELIEVE THE VENDOR OF HIS RESPONSIBILITY IN MEETING ALL THE PROVISIONS OF THE ENQUIRY CONDITIONS).

b. HOCL's Scope

Calibrated pressure gauges for hydrotest shall be given by HOCL which shall be returned back without any damage.

Water & Power

HOC will provide water and power at one point free of cost.

General Site Cleaning

Working site should always be kept cleaned up to the entire satisfaction of the Engineer/Officer-In-Charge. Upon completion of the work, all materials shall be transported to designated locations in HOCL premises as directed by the Engineer/Officer-In-Charge on daily basis. Material reconciliation has to be carried out before submitting the bill.

Time of Completion

The entire work has to be completed within 4 days from the date of clearance to start the work.



Validity of the Tender

The tender shall be kept valid for acceptance for a period of THREE months from the last date prescribed for receipt of the tender.

A Tenderer shall not be entitled during the said period of three months without the consent in writing of the company to revoke or cancel his tender or to vary the tendered rate or any terms thereof.

Price

The Contract will be awarded on fixed all-inclusive price unless otherwise specified. All rates in the tender shall cover applicable taxes, levies and duties. However applicable GST will be paid by HOCL subject to the successful tenderer having GST registration with Central Excise.

The price shall be quoted both in figures and words. In case a tenderer has quoted two different prices in words and figures the lower of the two will be considered valid and binding on the tenderer.

Payment Terms

- 95% payment will be made within 30 days on pro rata basis after completion of work and certification by Engineer-in-Charge.
- Balance 5% payment will be kept as security deposit and it will be released after the completion of contract in all respects & completion of all obligations under the contract.

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 Bid itself and enclose necessary documentary evidence to prove their eligibility.

WE HAVE ALSO FLOATED TENDER IN GeM PORTAL. IF ANY PARTY QUOTED THROUGH GeM PORTAL AND BECAME L₁ COMPARED TO THE RATES IN NIC PORTAL, WORK WILL BE AWARDED TO THE GeM BIDDER AND VICE VERSA.

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 and failing that, such disputes, difference, questions or claims shall be referred for resolution through arbitration to the India International Arbitration Centre or a Sole Arbitrator to be appointed by the Chairman-cum-Managing Director of HOCL and 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

OTHER TERMS AND CONDITIONS

General Conditions of Contract (GCC) of HOCL

The General Conditions of Contract of the company is applicable to, and forms part of the contract. The General Conditions of Contract of HOCL is available in the office of The Chief General Manager (HR) of HOCL, Ambalamugal or can be downloaded from our Web site www.hoclkochi.com.

Right to Issue Addendum

The company reserves the right to issue any addendum to the tender document to clarify/amend/supplement and/ or delete any of the conditions, clauses or terms stated in the tender documents. Each addendum issued shall be distributed to the tenderer or his authorized representative and each such addendum shall become part of the tender documents.



ANNEXURE-II

SCOPE OF WORK

General Scope of work includes but not limited to the following:

1. Once the equipment is ready for maintenance after the issue of safety permit, isolation of equipment by putting blinds/ spectacle blinds in feed (inlet) and out let nozzles and all other nozzles indicated/instructed for the purpose and fix blind number tags.
2. Record the blind tag Nos. in the blind register and obtain signature in the register by Engineer-in-Charge.
3. Assisting the inspecting team engaged in the inspection of Heat Exchanger.
4. CRANE / DERRICK required for the successful completion of the entire work shall be arranged by the contractors at his own cost.
5. Supply of Scaffolding material (pipe and clamps) and erection of scaffolding if required shall be arranged by the contractor.

General Procedure for Floating Heat Exchangers (Applicable to Item No.1 & 2 Only in the Schedule of Rates)

1. Once the equipment is ready for maintenance after the issue of safety permit, isolation of equipment by putting blinds/spectacle blinds in feed and out let nozzles and all other nozzles indicated for the purpose and fix blind number tags as per the instruction of Engineer in charge.
2. Open and remove channel head cover
3. Open and remove channel head
4. Open and remove shell cover and floating head cover.
5. Clean the tubes and shell, channel head cover, channel head shell, floating head, floating head cover and dish end cover using hydro blasting machine (Karcher Pump) available in HOCL and all flange serration by scrappers / wire brushes. If Hydro blasting is required for cleaning, the same will be arranged by HOCL at their cost. (Pulling out of tube bundle is not envisaged.)
6. Blinding shell side and tube side in the required sequence and stages, suitable for hydrotest of tube side and shell side separately.
7. Assemble the tube bundle, channel head shell, channel head cover, floating head, floating head cover and dish end cover in required sequence and stages suitable for Hydrotest of tube side and shell side separately.
8. Hydrotest the exchanger on shell side and tube side and floating head gasket, dish end cover gasket.
9. Leaking tubes if any noticed during hydrotest should be plugged using CS/SS/Brass plugs as per the instruction of Engineer-in-charge. Required plugs will be supplied by HOC at free of cost. Repeat the hydrotest if any leak at shell side / tube side.
10. You shall get the hydrotest witnessed by Engineer # in-charge / 3rd party Inspector.
11. Test rings should be used for testing floating head type exchangers tube bundle.(Test rings are available in main store yard / maintenance workshop, the same has to be identified, cleaned, transported to the heat exchanger. After testing, the test rings are to be transported back to the original location).
12. Test pressure for hydrotesting should be as per the instruction of the Inspector/Engineer-in-charge.
13. Removal of isolations (ie. blind, spectacle blinds, blind tags etc.) for normalizing the Heat Exchanger.



14. Hot bolting of the flanges after putting the equipment in line if it is required. However, this activity will not be counted for the completion time for the work.
15. In case of cleaning of tubes by hydroblasting (by HOCL through other agencies), there will be a gap of 1 or 2 days (for cleaning) in between opening / boxing up of exchanger. However, this activity will not be counted for the completion of the work.

The Detailed Scope of Work Includes but Not Confined to the Following: (Applicable To Item No. 3 & 4 Only in the Schedule of Rates)

1. Blinding of all nozzles including inlet and outlet lines, temperature indicators, and pressure gauge nozzles of the equipment. Providing end blinds on all the piping flanges. Utmost care should be taken while blinding the flare system, in order to avoid any disturbance in flare system
2. Removal of nuts of foundation bolt after removing the grouting.
3. DROPPING OF THE HEAT EXCHANGER (INCLUDING SHELL) TO GROUND LEVEL WITH CRANE/ DERRICK WITHOUT DAMAGING THE FOUNDATION OR EXCHANGER. THE EXCHANGER (E 4507) IS ABOUT 15MT AT AN ELEVATION OF ABOUT 10 MTRS. SUITABLE CRANE/DERRICK SHALL BE ARRANGED BY THE CONTRACTOR.
4. Transport the exchanger to suitable location, secure the exchanger to a proper place and pull the tube bundles. Cleaning of all nozzles and flange faces
5. Cleaning of the tube bundle/shell will be arranged by HOC through other agency.
6. Re-assembly of Heat Exchanger and hydro testing of the same as per the scope of work.
7. RE-ERECTION OF THE HEAT EXCHANGER ASSEMBLY WITHOUT DAMAGING THE EXCHANGER AND FOUNDATION AFTER CLEANING THE FOUNDATION BOLTS AND NUTS.
8. Normalizing pipe lines of the Exchanger by putting new gaskets without disturbing the flare system as per the instruction of Engineer-in-Charge.
9. Necessary scaffolding has to be provided wherever required by the contractor at his cost.
10. HOC will be providing only the necessary gaskets nuts and bolts. All other items required for the job has to be brought by the contractor.
11. Test certificate of the crane and lifting tools and tackles has to be provided before commencement of work.

TESTING AND INSPECTION

HOCL shall inspect the equipments during the work in progress along with the 3rd party inspector arranged by HOCL. All the necessary assistance shall be provided by the contractor to the Inspectors during inspection of the equipments. Contractor has to follow all the instruction given by HOCL Engineer-in-Charge, Inspection Engineer & 3rd party Inspector.



ANNEXURE-III

COMPLIANCE / NO-DEVIATION STATEMENT

It is hereby stated that the quotation/offer submitted by us is in full compliance with all 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.

Signature of the Tenderer :

Name of the Tenderer :

Address :

Place :

SEAL

Date :



ANNEXURE - IV

COMPLIANCE OF GENERAL CONDITIONS OF CONTRACT (GCC)

It is hereby stated that we have read and understood General Conditions of Contract (GCC) and confirm that we abide by all the terms and conditions of GCC.

Signature of the Tenderer :

Name of the Tenderer :

Address :

Place :

SEAL

Date :



ANNEXURE- V

CHECK LIST

EARNEST MONEY DEPOSIT NOT APPLICABLE TO MSME / SSI Units /PSUs

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- Any other technical information the Tenderer likes to furnish.
- Copies of work orders already completed or in progress .
- Completion certificates.
- Tools and tackles available.
- GSTN registration.

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OR

Two similar completed works costing not less than the amount equal to **₹3.16 Lakhs.**

OR

One similar completed works costing not less than the amount equal to **₹5.05 Lakhs.**

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Signature of the Tenderer :

Name of the Tenderer :

Address :

Place :

Date :