

U&M DEPARTMENT

Tender No: U&M/GRG/1051/23

Dated: 07-09-2023

TENDER NOTICE

Sealed **two-bid** mode tenders in the prescribed form are invited on behalf of Cochin Shipyard Limited from experienced vendors for the under mentioned work, so as to reach the undersigned on or before the date and time mentioned below as per the description of work, terms and conditions. The tenders should be submitted in two separate envelopes super scribing the details as shown below.

Cover 1: Technical Bid

Cover 2: Price Bid

Name of Work	Supply, Installation, Testing and Commissioning of Effluent Treatment Plant (ETP) for the treatment of waste water generated by washing shed in garage of Cochin Shipyard Ltd
Probable Amount of Contract (PAC)	Rs.10 Lakhs (Including 18% GST)
Earnest Money to be deposited	Rs. 20,000/-
Security Deposit	5% of the contract amount
Cost of Tender Form	Nil
Date and time of site visit and pre-bid meeting	13.09.2023 at 10:00 Hrs at CSL, Kochi
Last date & time of receipt of tender	27.09.2023 up to 14:00 Hrs.
Date & time of opening of tender	27.09.2023 at 14:30 Hrs. (Technical bid only)
Time of completion of work	90 days from the date of commencement of work

Sealed quotations addressed to The Assistant General Manager (U&M) shall be dropped in tender box at U&M Department, Cochin Shipyard Ltd, P.O.Bag No 1653, Perumanoor P.O. Kochi 682015, Kerala, India or to be sent by registered post so as to reach this office by due date and time. CSL will not be responsible for postal delay or non-delivery/non-receipt of tender documents.

Officer - in - Charge for the above work

Name : Sajan N Varghese
Designation : AM (MM-1/GARAGE)
Contact No (M) : +91 8139001045
Contact No (L) : +91 484 2501280
E-mail: sajan.nv@cochinshipyard.in

Signature and Seal of the Contractor (s)

For Cochin Shipyard Limited

Asst. General Manager

साजन एन वर्गसे
SAJAN N VARGHESE
सहायक प्रबंधक
Assistant Manager
कोचीन शिपयार्ड लिमिटेड
COCHIN SHIPYARD LTD.
कोची / Kochi - 15

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Dated: 07-09-2023

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COCHIN SHIPYARD Limited
SAJAN N VARGHESE
सहायक प्रबंधक
Assistant Manager
कोचीन शिपयार्ड लिमिटेड
COCHIN SHIPYARD LTD.
असिस्टेंट जनरल मैनेजर (U&M)
Assistant General Manager (U&M)

GUIDELINES & ELIGIBILITY CRITERIA

1. The documents to prove minimum eligibility criteria as given below should be submitted along with the technical bid without fail. The minimum qualification criteria for participating in the tender are as follows. If any of the following minimum qualification criteria is not met by the bidder, the offer will be summarily rejected.
 - a) The bidder should have had an average annual financial turnover of Rs. 3.01 Lakhs during the last 3 consecutive financial years (FY 20-21, 21-22 & 22-23). Audited balance sheets showing turnover, profit & loss account of the firm for the preceding 3 FYs should be submitted.
 - b) Experience in Supply, Installation, Testing and Commissioning of Effluent Treatment Plant (ETP) for the treatment of waste water during the last 7 years ending last day of month previous to the one in which tenders are invited should be either of the following:
 - i. One similar completed work of value not less than Rs. 8.0 Lakhs
OR
 - ii. Two similar completed works of value not less than Rs. 5.0 Lakhs
OR
 - iii. Three similar completed works of value not less than Rs 4.0 Lakhs

Detail of orders executed along with proof of work execution/ completion to be submitted.

2. The bidder should be operating for the past 3 years or more in the field of Supply, Installation, Testing and Commissioning of Effluent Treatment Plant (ETP) for the treatment of waste water. Necessary documental evidence should be submitted as proof.
3. Tender shall be submitted in two separate sealed covers as given below superscribing the name of work, address of the tenderers.

Cover – 1 (Eligibility Criteria & Technical Documents)

- a) Documents related to eligibility criteria.
- b) All tender annexures (EXCEPT ANNEXURE-XV PRICE BID) duly filled, signed and sealed in all pages.
- c) Un priced bid(ANNEXURE –III) clearly indicating Quoted/Not Quoted by striking out whichever is not applicable and also clearly mentioning GST% of each individual item.

Cover – 2 (Price Bid)

- a) Quoted price bid duly signed and sealed.

Tender document duly filled and signed along with official seal must be put in the proper envelope, duly sealed with clear recording of the tender notice number and due date on the envelope and should be submitted to this office as per the date stipulated. The technical bid only will be opened on the due date of opening. Eligibility Criteria of the offer will be evaluated first. The techno commercial evaluation will be carried out only for those tenderers fulfilling the eligibility criteria. The Price Bid offer of non-eligible bidders (those are not fulfilling minimum eligibility criteria, technical specification and commercial terms) shall not be opened. CSL reserves the right to reject any or all offers without assigning any reason whatsoever.

INSTRUCTION TO BIDDER

1. The bidder shall be deemed to have carefully examined the technical specifications, special & general terms and conditions, work schedules and also to have satisfied himself as to the nature and character of the works to be carried out, the site conditions and all relevant matters & details. The bidder must visit the site and take first hand information related to the contract before submission of tender.
2. The bidder shall note that any conditional offer will not be considered.
3. All pages of offers including price bids, supporting documents etc. are to be signed by authorized signatory in each page and company seal should be affixed on each page. In case of non-compliance, offer is liable for rejection.

For Cochin Shipyard Limited



साजन एन वर्गीस
SAJAN N VARGHESE
सहायक प्रबंधक
Assistant Manager
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COCHIN SHIPYARD LTD.
कोच्ची / Kochi - 15

Asst General Manager (U&M)

Signature and Seal of the Contractor(s)

Technical Specifications

Raw water Characteristics

The wastewater is generated in the Garage is from vehicle / material handling equipments/ mobile cranes servicing and washing area. The waste water generation is presently up to 2000 Liters/day.

Proposed Treatment system

The wastewater treatment system suggested shall have the following components:

1. Grit chamber

The effluent may contain mud, sand, debris etc., which will get settled in this tank. The grit tank has to be cleaned periodically to remove the soil.

2. Oil and Grease Trap

The oil trap is an arrangement to remove the waste oil and grease likely in the wastewater. The oil and grease which float in the water will get separated by a baffle arrangement in the oil trap. Two sets of oil separation tank have to be provided for better separation. An additional area at a lower level shall be provided for better collection of trapped waste oil from the effluent.

3. Collection Tank

It is a buffer for the treatment system. For efficient treatment of all treatment systems, the flow should be regularized to a uniform and consistent flow rate. As the effluent generation is fluctuating, the collection tank will act as a buffer.

4. Settling tank

The effluent from the collection tanks is fed into the settling tank at uniform rate. In the feeding line the pH correction and coagulation are done by dosing proper chemicals by online dosing arrangement

5. Filter feed Tank

The supernatant effluent from the settling tank is collected in filter feed tank. This tank also will be pre-fabricated on FRP and installed above ground

6. Sludge Drying bed

The sludge developed within the aeration system has to be removed periodically and dried before disposal. The sludge drying bed will be constructed above ground level as civil work, the drained water is fed back to collection tank.

7. Pressure Sand filter

The effluent from the filter feed tanks is further filtered in a pressure sand filter with the help of a float controlled filter feed pump. The filtration rate used in the sand filter fill shall be $10 \text{ m}^3/\text{day}/\text{m}^2$

8. Activated carbon filter

The effluent will further go through an activated filter to remove color, odor and residual chlorine.

The existing tanks at the site can be modified to create grit chamber and Oil Trap. A shelter for the drying bed and the pumps and filters has to be provided. It has to be arranged by truss work.

Scope of work

The scope of work includes construction of a collection sump on FRP. Interconnection of pipelines to divert waste water into the collection sump. Supply and erection of ETP using prefabricated FRP tanks and specified equipments. The final treated water will be discharged to the soak pit/ drainage.

Installation and commissioning and verification of output quality of treated water shall be done. Commissioning is considered successful only when the agency/contractor/firm proves with the help of proper lab test results that the treated water meets the discharged water standards as prescribed by the Kerala Pollution Control Board.

Lab test results ensuring the standard levels of treated water should be produced twice in a year upto 2 Years.

2 Years of AMC (1 Visit per 3 months) is to be covered under this scope of work.

I. SUPPLY PART

The following items shall be supplied at site.

1	Lift Pump	Make/Brand – Kirloskar Type/Model – Self Prime Mud Pump Material – CI Power – 0.5 HP Size – 1.5” Capacity – $2 \text{ m}^3/\text{hr}$ at 12m
2	Filter feed Pump	Make/Brand – Kirloskar/Johnson/wilo Type/Model – Centrifugal Pump Material – CI Power – 0.5 HP Size – 1.5” Capacity – $3 \text{ m}^3/\text{hr}$ at 25m
3	Dosing Pump (For Chlorine dosing)	Make/Brand – E dose Type/Model – Diaphragm Pump Capacity – 0-5 Ltrs/hr

4	Pressure Sand Filter	Make/Brand – Pentair/ Starlite Type/Model – 1054 Dimensions - Dia 250 & Height.< 1300 mm Media - Graded Quartz sand
5	Activated Carbon Filter	Make/Brand – Pentair/ Starlite Type/Model – 1054 Dimensions - Dia 250 & Height.> 1300 mm Media - Activated carbon IV-1000
6	Control Panel and electrical works (within plant Room)	Make/ Brand - L&T Fittings Material of Construction- MS powder coated CRCA 16 gauge sheet along with TOD type energy meter
7	Water meter	1" inlet/outlet, Brass
8	Pipe and Fittings (for Plumbing & Electrical Work)	Make/Brand – Supreme/ Finolex Type/Model – PVS Pipe
9	Treatment Tanks	Wall thickness – 8 mm Material of Construction - FRP with Marine grade iso resin Tank dimensions Settling tank - with partitions -1.2 m dia x 2.0 m long Cylindrical Filter feed tank - 1.2 m dia x 2.0 m long Cylindrical Treated water tank -1200 Liters, dia 1.12m Make: Varsha/ Aqua

II. WORK PART

1	Construction of Underground Tanks and truss work	Collection tank - Capacity 2500 Liters, RCC construction (as per drawing) area to protect the filters and Drying bed - 100x70x 50 cms drying beds -2 Nos. construction on bricks Platform placing pumps and filters - 300x255 cms with 10 cm thick platform for placing pumps and Truss work above platform Truss work – Truss work above platform area to protect the filters and Pumps
2	Installation & Commissioning	Along with Installation & commissioning it should be proved that output quality of treated water meets the standards specified in scope of work

The schedule of work shall be as follows:

1.	Date of Commencement of Work	Within 2 weeks from the date of issue of work order.
2.	Date of completion	03 months from the date of commencement of work
3.	Verification of output quality of treated water	Within 01 month from the date of completion. Proper Pollution Control board approved Lab test report should be produced
4.	AMC	1 Visit per 3 months up to 2 years
5.	Product Warranty	For 1 year from the date of commissioning

Power requirement for ETP

Estimated power requirement of the equipments as below

Equipments	Stand by (KW)	Load (KW)	Hours	Kwh/ day	Kwh/ month
Lift Pump	0.4	0.4	10	4	120
Filter Feed Pump	0.6	0.6	10	6	180
Dosing Pump	0.3	0.3	10	9	270
Total	1.3	1.9	30	19	570

Expected output Quality

The treated water shall meet the discharge standards suggested by KSPCB. The expected levels are given below.

PH	- 5.5-9.0
Total Suspended Solids	- <100 mg/l
BOD	- <30 mg /l
COD	- <250 mg/l
Oil & Grease	- < 10

UN PRICED BID**(To be filled by the contractor)**

Tender No: U&M/GRG/1051/23

Dated: 07-09-2023

SL NO	ITEM	SPECIFICATION	UNIT	QTY	UNIT RATE (Rs.)	AMOUNT (Rs.)
<u>SUPPLY OF PRODUCTS</u>						
1	Lift Pump	Make/Brand – Kirloskar Type/Model – Self Prime Mud Pump Material – CI Power – 0.5 HP Size – 1.5” Capacity – 2 m ³ /hr at 12m	Nos	02	Quoted / Not Quoted	Quoted / Not Quoted
2	Filter feed Pump	Make/Brand – Kirloskar/Johnson/wilo Type/Model – Centrifugal Pump Material – CI Power – 0.5 HP Size – 1.5” Capacity – 3 m ³ /hr at 25m	Nos	02	Quoted / Not Quoted	Quoted / Not Quoted
3	Dosing Pump (For Chlorine dosing)	Make/Brand – E dose Type/Model – Diaphragm Pump Capacity – 0-5 Ltrs/hr	Nos	03	Quoted / Not Quoted	Quoted / Not Quoted
4	Pressure Sand Filter	Make/Brand – Pentair/ Starlite Type/Model – 1054 Dimensions – Dia 250 & Height.< 1300 mm Media – Graded Quartz sand	Nos	01	Quoted / Not Quoted	Quoted / Not Quoted
5	Activated Carbon Filter	Make/Brand – Pentair/ Starlite Type/Model – 1054 Dimensions – Dia 250 & Height.> 1300 mm Media – Activated carbon IV-1000	Nos	01	Quoted / Not Quoted	Quoted / Not Quoted
6	Control Panel and electrical works (within plant Room)	Make/ Brand - L&T Fittings Material of Construction- MS powder coated CRCA 16 gauge sheet along with TOD type energy meter	Nos	01	Quoted / Not Quoted	Quoted / Not Quoted
7	Water meter	1" inlet/outlet, Brass	Lot	01	Quoted / Not Quoted	Quoted / Not Quoted
8	Pipe and Fittings (for Plumbing & Electrical Work)	Make/Brand – Supreme/ Finolex Type/Model – PVS Pipe	Lot	01	Quoted / Not Quoted	Quoted / Not Quoted

9	Treatment Tanks	Wall thickness – 8 mm Material of Construction - FRP with Marine grade iso resin Tank dimensions Settling tank - with partitions -1.2 m dia x 2.0 m long Cylindrical Filter feed tank - 1.2 m dia x 2.0 m long Cylindrical Treated water tank -1200 Liters, dia 1.12m Make: Varsha/ Aqua	Lot	01	Quoted / Not Quoted	Quoted / Not Quoted
WORKS						
10	Construction of Underground Tanks and truss work	Collection tank - Capacity 2500 Liters, RCC construction (as per drawing) area to protect the filters and Drying bed - 100x70x 50 cms drying beds -2 Nos. construction on bricks Platform placing pumps and filters - 300x255 cms with 10 cm thick platform for placing pumps and Truss work above platform Truss work – Truss work above platform area to protect the filters and Pumps	Lot	01	Quoted / Not Quoted	Quoted / Not Quoted
11	Installation & Commissioning	Along with Installation & commissioning it should be proved that output quality of treated water meets the standards specified in scope of work	Lot	01	Quoted / Not Quoted	Quoted / Not Quoted
12	AMC(1 Visit per 3 months up to 2 years)		Year	02	Quoted / Not Quoted	Quoted / Not Quoted
13	Submission of Lab test results (Twice in a year up to 3 years)	Lab should be approved by Pollution control board	Per Test	06	Quoted / Not Quoted	Quoted / Not Quoted
Total Amount (₹)					Quoted / Not Quoted	
Total CGST @% (₹)					Quoted / Not Quoted	
Total SGST @% (₹)					Quoted / Not Quoted	
Total IGST @% (₹)					Quoted / Not Quoted	
Grand Total Amount including Tax (₹)					Quoted / Not Quoted	
Grand Total Amount including Tax in words Rupees Quoted / Not Quoted.....						

Note: Strike out 'Quoted/Not quoted' whichever is not applicable. Quotations without quote for any of the item will not be considered at all.

Date:

Signature and Seal of the Contractor (s)

Tender No: U&M/GRG/1051/23

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DETAILS OF FINANCIAL TURNOVER

(Refer Clause 1.a of Annexure-1)

SL. NO.	DETAILS	FY 20-21	FY 21-22	FY 22-23	AVG.
1	Turnover				
2	Proof Submitted				

Audited balance sheets showing turnover, profit & loss account for the preceding 3 FYs should be submitted.

For Cochin Shipyard Limited

साजन एन वर्गीस
SAJAN N VARGHESE

सहायक प्रबंधक
Assistant Manager

कोचीन शिपयार्ड लिमिटेड
COCHIN SHIPYARD LIMITED

काच्यो / Kochin-15
Asst General Manager (U&M)

Signature and Seal of the Contractor (s)

Tender No: U&M/GRG/1051/23

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DETAILS OF SIMILAR WORKS EXECUTED

(Refer Clause 1.b of Annexure-1)

SL. NO.	DETAILS	CLIENT (1)	CLIENT (2)	CLIENT (3)
1	Establishment name, address, telephone no. & e-mail			
2	Contact person name, telephone no., mobile no. & e-mail			
3	Work description			
4	Date of award of work			
5	Date of work completion			
6	Work order value			

Copies of orders & completion certificate/ performance certificate shall be attached.

For Cochin Shipyard Limited
SAJAN N VARGHESE
 सहायक प्रबंधक
 Assistant Manager
 कोचीन शिपयार्ड लिमिटेड
COCHIN SHIPYARD LTD
 Asst. General Manager (U&M)
 कोच्ची / Kochi - 15

Signature and Seal of the Contractor (s)

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TECHNO - COMMERCIAL CHECK LIST

Sl. No.	Description	Compliance		Remarks or Deviation if any
		Yes	No	
1	Whether technical bid & price bid are submitted in separate sealed covers?			
2	Whether all the items in Price bid are quoted			
3	Whether the firm has been blacklisted by any Govt. organisation/ Company? (The firm needs to submit a self-declaration in their letterhead signed and sealed by its chief executive in this regard. This is a compulsory document for considering the offer on technical ground)			
4	Whether the documents of average annual financial turnover of the firm for the last 3 consecutive financial years (FY20-21, 21-22 & 22-23) as mentioned in 1.a) of Annexure-1 submitted?			
5	Whether the details of orders executed as mentioned in 1.b) of Annexure-1 submitted?			
6	Whether the bidder is operating for the past 3 years or more in the field of Supply, Installation, Testing and Commissioning of Effluent Treatment Plant (ETP) for the treatment of waste water and whether documental proof is submitted?			
7	Whether completion period as mentioned in tender enquiry is acceptable?			
8	Whether Security Deposit as per tender enquiry acceptable?			
9	Whether payment terms as mentioned in the tender enquiry is acceptable?			
10	Whether LD payable as per relevant clause in the special instructions to tenderers of enquiry is acceptable?			

For Cochin Shipyard Limited
साजन एन वर्गसे
SAJAN N VARGHESE
 सहायक प्रबंधक
 Assistant Manager
 कोचीन शिपयार्ड लिमिटेड
 COCHIN SHIPYARD LTD.
 कोच्ची / Kochi - 15
 Asst General Manager (U&M)

Signature and Seal of the Contractor (s)

U&M DEPARTMENT

SPECIAL INSTRUCTIONS TO TENDERERS

1. Tender in prescribed format is invited by Cochin Shipyard Limited from agencies/ companies/ eligible reputed manufacturers having experience in SITC (supply, installation, testing and commissioning) of Effluent Treatment Plant (ETP) for Installing and commissioning 1 no's of such ETP having capacity of 2000 LPD as per specification Annexure – II at Garage washing area of CSL.
2. The quotation shall be submitted with an EMD of Rs 20,000 /-. The quotation received without EMD will not be considered. The details of EMD to be clearly written on the quotation cover.

For all the Firms who are registered with district Industries Centre and come under the category of Micro & Small Enterprises holding a valid EM Part-II certificate, the following benefits are extended

- i. Tender forms shall be issued free of cost.
- ii. Payment of Earnest Money Deposit (EMD) is exempted.

For all the Firms who are registered with NSIC and come under Micro & Small Enterprises holding a valid NSIC certificate, the below benefit is also extended in addition to the above.

- iii. Waiver of Security Deposit up to the Monetary Limit for which the unit is registered.
 - iv. Government guidelines for Micro & Small Enterprises (MSME) shall be applicable to the contract.
3. The tenderer may quote the lowest rate for each item in the given format enclosed at annexure – XV (Offers submitted in any other format will not be considered at all).
 4. The tenderers are advised to visit the site (Cochin Shipyard &) well in advance to familiarize themselves regarding the nature and scope of work and site specifications and conditions.
 5. The quotations shall reach the office of the undersigned latest by 14:00 Hrs. on 27/09/23 and will be opened on the same day at 14.30 Hrs. in the presence of those tenderer who have furnished the necessary EMD and Cost of tender form.
 6. The AGM (U&M) reserves the right to reject one or all the quotation received without assigning any reasons and also reserve the right to split and get the work done through different agencies to suit the work requirement.
 7. Form of Tender: The tender form will consist of two parts, (i) Form-A(Technical) and (ii) Form-B (Financial).
 8. The Tender shall be finalized by a committee in the following procedure:
 - (i) Form "A" - "Technical Bid" shall be opened first and evaluated as per the tender conditions in the office of the AGM,U&M.
 - (ii) Form "B" - "Financial Bid" of the only those tenderers who qualify in the technical bid shall be opened.

9. Tender information will also be available at office website <https://cochinshipyard.in>(For reference only).
10. In the event of more than one bidder becomes L1, the Competent Authority in CSL reserves the right to select one of the L1 bidders based upon various norms like quality of work experience, number of years in operation and other credentials like work completion certificate of any Central Government / State Government Undertaking/Organization etc.
11. The site for the work is available/or the site for the work shall be made available for inspection on all working days except on Saturday, Sunday and Public Holidays.
12. The contractor, whose tender is accepted (unless exempted) will be required to furnish by way of security deposit for the fulfillment of his contract such sum as will amount at the rate of 5% of the awarded value of the contract. The Performance Security shall be valid till the expiry of the period of Maintenance of the work plus 60 days. The Performance Guarantee will be deposited either by the way of Bank Guarantee/FDR within the 15 days of award of work. The contractor has to execute an agreement within 10 days of receipt of work order in stamp paper worth Rs. 200/- for the satisfactory execution of the contract. Format of Agreement is placed at Annexure-XII.
13. The security deposit will be released after the 'defects liability period' subjects to verification of defects.
14. In case of any delay in works beyond the stipulated completion period, the contractor has to pay Liquidated Damage (LD) a sum equivalent to ½ % (half percentage) per week or part of the week of the order value subject to maximum of 10% of the order value. In case of reasons attributed to CSL, i.e., site non-readiness, LD can be waived proportionately.
15. Payment will be released only after the satisfactory completion of all work in all respects & satisfactory commissioning of the system and against submission of invoice in quadruplicate.
16. Canvassing in any form in connection with tender is strictly prohibited and the tenders submitted by the contractors who resort to be canvassing will be liable to rejection.
17. The bidder is advised to visit the site of work, at his own cost, and examine it and its surroundings to himself collect all information that he considers necessary for proper assessment of the prospective assignment.
18. The work should be carried out as per the instruction of the Engineer in charge deputed for the work.
19. All relevant conditions in the conditions of contract instructions to the tenderers of Cochin Shipyard Ltd are applicable to this contract.
20. The terms and conditions of the contract enclosed with the quotations shall be Signed and sealed to be accompanied with the tender.

Note: Bidder shall see the general conditions at Annexure VIII pertaining to above aspects for full clarity

साजन एन वर्गीस
SAJAN N VARGHESE Cochin Shipyard Limited
 सहायक प्रबंधक
 Assistant Manager
 कोचीन शिपयार्ड लिमिटेड
 COCHIN SHIPYARD LIMITED
 कोच्ची / Kochi - 15

Signature and Seal of the Contractor (s)



COCHIN SHIPYARD LIMITED
U&M DEPARTMENT
GENERAL CONDITIONS

1. Bid shall be submitted in the prescribed form in the tender at the office of the Assistant General Manager (U&M), Utilities & Maintenance Department, Cochin Shipyard Limited, Perumanoor P.O, Kochi – 682 015, Kerala at the designated tender box.
2. *In the case of tenders floated in newspapers*, all corrigenda, addenda, amendments and clarifications to tender specifications will be hosted in the website www.cochinshipyard.com and not in the newspaper. Bidder shall keep themselves updated with all such developments from CSL web site till the last date and time of submission of tender. However it is advised to contact the officer-in-charge of the work for any clarifications before the due date of the tender
3. The bidders are expected to inspect the site to know the nature of work and site condition with prior intimation to the officer in charge. Bidders can contact officer-in-charge of the work which is indicated in the tender document for any clarification before submitting the offer. If clarifications/details are not obtained before the tender is submitted, no claim on this account will be admitted. The submission of a tender by tenderer implies that he has read this notice and General Conditions of Contract and has made himself aware of the scope and specifications and other factors bearing on the tender
4. The bidders are expected to familiarize himself, labor situation, wages and benefits applicable to labors, working hours, and prior to quoting the rates. The submission of a bid by bidder implies that he has made himself aware of all the above situations and conditions. Any subsequent claim on this account will not be entertained.
5. All taxes, duties, transportation and insurance etc. applicable should be included in the rate quoted, unless specified otherwise. CSL reserves the right for the deduction of taxes and duties as applicable from the bill or invoice.
6. Bidders to note that no advance payment will be made by CSL against work order/ supply order issued.
7. Tender documents issued are not transferable. Tender documents issued/downloaded shall be submitted wholly without altering any part.



8. The bidder shall not have been debarred / black listed by CSL or by any of the Public Sector Undertaking or Government department etc. Bidders shall produce a self-declaration in this regard as indicated in the annexure XI.
9. Cost of Tender Form: Rs. 100/- + GST (12%)
Price bid of only those contractors, who have submitted the proof of remittance of EMD, Cost of Tender documents shall only be opened. The tender cost should not be combined with EMD.
(Those who download the tender documents from the website, will also be required to remit the cost separately along with the tender documents in the form of DD drawn in favour of Cochin Shipyard Ltd)
- A. For all the Firms who are registered with district Industries Centre and come under the category of Micro & Small Enterprises holding a valid EM Part-II certificate, the following benefits are extended
- i. Tender forms shall be issued free of cost.
 - ii. Payment of Earnest Money Deposit (EMD) is exempted.
- B. For all the Firms who are registered with NSIC and come under Micro & Small Enterprises holding a valid NSIC certificate, the below benefit is also extended in addition to the above.
- iii. Waiver of Security Deposit up to the Monetary Limit for which the unit is registered.
 - iv. Government guidelines for Micro & Small Enterprises (MSME) shall be applicable to the contract.
9. Bidders are to carefully go through the tender documents and shall agree to CSL terms and conditions, specifications, scope of work etc and quote their offer accordingly. All the pages of tender documents shall be signed and duly sealed by the bidder as a token of the acceptance of conditions stated therein.
10. Bidders shall quote total amount in figures and in words. Corrections and additions if any must be attested/ duly signed by the bidder. In the case of error in multiplication/addition in amount calculated, the rate quoted will be considered as correct and the amount will be calculated accordingly. Conditional rebates & discounts, incomplete/ambiguous offers are likely to be rejected.
11. Late bid will be rejected and CSL will not be responsible for any postal delay / non receipt of bid on any account of loss in transit.
12. In case bidders are not in a position to quote for this work, the bidders are instructed to forward regret letter stating reasons. CSL reserve the right for not issuing future enquires for the firms who has neither quoted nor submitted the regret letter.



13. Tender opening shall be carried out at the designated date and time as specified in the Notice Inviting Tender, in the case of single bid system. (Also refer clause 16). It may please be noted that, if any of the dates indicated in the tender notice is declared a public holiday, the dates shall be extended to the next working day.
14. In case of two bid system, the techno commercial part alone will be opened initially on the due date of opening the tender. Bidders shall not be allowed to attend the techno commercial bid opening. The price part will be opened only after evaluation of the techno commercial part. Firms, whose techno commercial bids are acceptable, will be intimated regarding the date of opening of price part, so that they can be present during the price bid opening.
15. Bids shall be submitted in two separate sealed covers.
 - In case of *single bid system*, the first cover shall contain Earnest Money Deposit, Cost of tender document and the second cover shall contain the tender documents. EMD, Tender reference and the cost of tender documents should be clearly indicated on the top of the respective covers.
 - In case of *two bid system*, the first cover shall contain the techno commercial bid part of the tender along with EMD, cost of tender form and supporting documents and second cover shall contain only the price bid part of the tender. Tender reference details shall be indicated on top of respective envelopes.
16. Bids submitted without EMD (Except MSME firms having valid NSIC registration and certificate) will be rejected, if EMD is insisted in the tender. The EMD can be remitted either in the form of DD/Bankers Cheque /FDR drawn/ NSC in favour of Cochin Shipyard Ltd (with a minimum validity of 3 months from the date of tender opening). Cheques are not acceptable.
17. No interest shall be paid for the EMD, Security Deposit or Performance guarantee.
18. The price bids will be evaluated based on the lowest offer on the total amount including all taxes obtained from eligible and qualified as valid bids for opening the price bids. However the Officer-in- charge reserves all the rights to reject any or all tenders without assigning any reason.



19. During the evaluation of tender, officer-in-charge may seek clarifications from the bidders. Clarification if any shall be given in writing/e-mail. Officer-in-charge's decision will be final and binding on the bidder.
20. Any attempt on the part of the bidders or their agents to influence the officers, supervisors, employees of CSL in their favour by means of canvassing or any other means will entail disqualification / rejection of the bidder & bid.
21. Acceptance of a bid will rest with the competent authority, who does not bound himself to accept the lowest tender and reserves the right to reject any or all of the tenders received, without assigning any reason for the same.
22. CSL has the right to award work, part or in full to a single party or multiple parties as deemed fit. Also CSL shall have the right to issue work order & supply order separately.
23. Bringing in new conditions after the tender opening will not be allowed. Under no circumstances, will an enhancement of quoted rate be allowed, once the offer is accepted and an order is placed. Withdrawal of the quotation after it is accepted or failure to make the supply/execution within the stipulated delivery/completion period will entail cancellation of the order and forfeiture of EMD/Security Deposit, if any/ and or risk purchase.
24. EMD furnished by all the contractors except the lowest bidder, shall be released after concluding the contract and its acceptance by the contractor, to whom the work is awarded. EMD of the successful bidder shall be refunded after remittance of the security deposit and execution of the agreement or after the completion of the work.
25. If the contractor fails to supply or commence the work, in time as per the tender terms/work order, CSL shall have the following rights.
 - a) To terminate the contract within 15 days of notice forfeiting the EMD and security deposit
 - b) To initiate alternative arrangements at the risk and cost of the contractors.
26. Cochin Shipyard Ltd. shall without prejudice to any right or remedy is at full liberty to forfeit the said EMD absolutely if the tenderer withdraws his tender before the validity period or makes any modifications in the terms and conditions of the tender which are not acceptable to CSL. After the issue of work order by CSL, failing /refusing to execute the agreement/ start the work, the tenderer shall be deemed to have abandoned the contract and such an act shall amount to and be construed as the contractors calculated and the wilful breach of the contract, CSL



shall have full right to take suitable action against the firm together with forfeiture of Earnest Money Deposit.

27. Unless and until formal agreement is prepared and executed, this tender together with your written acceptance there of shall constitute a binding contract between the bidder and CSL.
28. Security deposit will be released only after attending all the defects pointed out to the contractor during the defect liability period. Any work which are not attended/replaced during the defect liability period within a reasonable time given by Officer-in-charge, the work will be carried out at the risk and cost of the contractor by CSL
29. The normal working time of the CSL is from 8.15 A.M. to 5.00 P.M on all weekdays and Saturdays with half an hour interval from 12.15 noon to 12.45 P.M. All Sundays, second Saturday and fourth Saturday are holidays in addition to CSL declared holidays. The site will be available for work during office hours only. However if the Contractor wishes to carry out the work beyond normal working hours or on holidays, he should get specific approval from the Officer-in-Charge for ensuring safety, quality and to have effective supervision from Department For any specialized jobs the timings will be intimated by the officer in charge in special terms and conditions.
30. The contractor is expected to acquaint himself with the site conditions, labor situation, wage and benefits applicable to laborers, working hours, out turn of work by labor and the fluctuations which are likely to happen till the work is completed on all the above aspects prior to quoting the rates.
31. The work shall be inspected by the Officer -in-charge, his authorized representative or any other third party deputed by the Officer -in-charge. Officer-in-charge will have full liberty to impose penalties for the violation of any of the agreement clauses.
32. **General conditions on work part:**
 - 33.1. Cochin Shipyard Limited reserves the right to make minor alterations, additions or substitutions to the existing specifications/scope of work, if found necessary during the progress of work and the contractor is bound to carry out the work without any additional cost, as per such altered specifications
 - 33.2. The contractor /authorized representative shall report at the office of the officer-in-charge on all working days before 08.30 hours and receive instruction regarding the works. The contractor should



maintain all work instruction register; attendance registers etc. and should follow instructions given by the officer in charge.

- 33.3. Time is the essence of contract. The Contractor may have to work round the clock including holidays, if required for completing the work in time without any extra cost. However works executed beyond office hours & holiday must be informed to the officer -in-charge well in advance and obtain his clearance and other necessary work permits.
- 33.4. The completion of work may entail working in monsoon period/ rainy season also. The contractor shall take such events into consideration while quoting for the work. The contractor must maintain sufficient labour force for the timely completion of work as per the prescribed schedule. No extra rate will be admissible for work in monsoon/rainy season. During monsoon and other period, it shall be the responsibility of the contractor to keep the work site free from water at his own cost.
- 33.5. All labour, skilled or unskilled shall be provided by the contractor. Settling any dispute with the labour, subcontractor, labour union shall be the sole responsibility of the contractor. Workers engaged for works should have sufficient knowledge and experience in the respective fields.
- 33.6. The contractor should take insurance for the men and materials till the handing over of the entire system to CSL. The contractor is bound to meet the expenses or defense of any action of legal proceedings that may be brought by any person for injury sustained owing to neglect of safety precaution and to pay damages and costs which may be awarded in consequence as per rules in force. It is the responsibility of the contractor to ensure that workmen engaged in the work should wear safety appliances like helmet, safety shoes, safety belts etc. and should strictly comply with CSL Safety Rules and Regulations in vogue. For obtaining entry permission of workmen into the company premises, the contractor has to furnish the identity proof of those persons to be engaged [Passport/Electron Identity card etc] .If required, police clearance certificate shall also be submitted. They should carry /display the pass issued by CSL authorities during the entire span while in CSL. The contractor has to abide by all relevant Labour Regulations and enactments as applicable to the contractor and his/their workmen and as amended from time to time without causing or claiming any responsibility or liability thereof to the company.
- 33.7. The workmen are strictly banned from use of any kind of Narcotics drugs / Alcohol /smoking etc inside CSL and any illegal activity by the work men should be reported to the officer-in- charge without delay and the contractor shall remove such persons from CSL premises.



- 33.8. The contractor should furnish their registration code, ESI/PF code numbers issued by competent authorities if any. The supporting documents for the same may have to be submitted to CSL in the event of requirement. CSL reserves the right for the deduction of ESI/PF from the bill or invoice, if required.
- 33.9. The contractor shall be responsible for the true and proper setting out of the works and for the correctness of the position, levels, dimensions, and alignment of all parts of the works and for the provision of all necessary instruments, appliances and labour in connection therewith. If at any time during the progress of the work any error shall appear or arise in the position, level, dimension or alignment of any part of the work, the contractor on being required to do so by the Officer in charge, shall at contractor's cost rectify such errors to the satisfaction of the Officer in charge. The checking of any setting out or of any line or level by the Officer in charge shall not in any way relieve the contractor of his responsibility for the correctness thereof. The contractor shall provide all necessary instruments, appliances and labour required for the Officer in charge for checking, if any, of the setting out.
- 33.10. The work is to be arranged without affecting normal functions / activities at the shops / buildings / premises and to other agencies engaged in that area where works are to be carried out and shall be arranged with minimum hindrances. The work shall be carried out without damaging any of the existing structures/structures under construction/ underground pipelines or cables etc in the locality. If any damage occurs to the CSL property, by the contractor's operation shall be compensated / made good at contractor's risk and cost to the satisfaction of the officer-in-charge of the works, failing which department will do the rectification work and the cost incurred will be recovered from contractor's bill or from security deposit. If contractor fail to clear the dispose/items, CSL is having the right to cleaning the premises and cost involved for the cleaning will be deducted from the contractor's bill.
- 33.11. If slabs/ chequered plates are to be opened during the work by the contractor, the same has to be closed by the contractor immediately after completion of the particular area of work. Proper caution boards & barrier with fencing tape shall be provided by the contractor at opened RCC trenches/mud excavated trenches before the commencement of work, at their own cost. Suitable staging should be provided by the contractor in areas wherever necessary at their own cost.



- 33.12. The entire work should be carried out to the satisfaction of the officer-in-charge of the work. Decisions of the officer-in-charge will be final and binding to the contractor.
- 33.13. All the materials should be approved by the officer-in-charge before being used. Rejected materials/items should be taken back by the supplier at his own cost.
- 33.14. The workmanship shall be as per industrial standard in every respect both for the equipment supplied and for the installation carried out. The work should confirm to relevant Indian standard specification / Indian Electricity Rules (ISS / IER) / Central Electricity Authority (CEA) regulation 2010 / other relevant rules wherever necessary/ applicable.
- 33.15. Necessary power shut down and permit-to-work has to be obtained from competent authorities whenever required to avoid electrical hazards and related accidents.
- 33.16. Arrangement of all necessary accessories shall be carried out by contractor for successful completion of work even though not specifically mentioned in the tender/ order. All tools, tackles, accessories and other materials brought into Shipyard for the work shall comply with statutory requirements and shall be declared at South gate. The copy of this Material Declaration Form (MDF) to be submitted to while requesting for material out pass for taking back these items. Further MDF shall be submitted along with bill for the payment to supply part items as per the contract.
- 33.17. Necessary storage space will be provided by CSL as per the prevailing rules subject to the availability of space. If not, contractor has to make necessary arrangements outside CSL premises at his own cost and risk.
- 33.18. Industrial gases, compressed air, water, material movement equipments and electric power for the work will be given to the contractor from nearest available CSL outlet at free of cost subjected to availability and if not, the contractor has to make own arrangement at their cost. Uninterrupted power supply Electric power supply cannot be ensured from KSEB grid. Contractors shall take note of this situation and if required, contractor has to arrange alternative source at their cost for completing their work on time.
- 33.19. All statutory requirements are to be followed by the contractor. Packing material used if any should be eco-friendly.



- 33.20. The contractor has to abide by the Contract Labour Act 1970 and rules there under and Kerala Contract Labour Rules 1974 and the CSL safety rules and regulations. It is the responsibility of the contractor to follow all safety rules and regulations in force, during the period of contract in CSL, and any violation of the same during the course of work will be at the risk and cost of the contractor and will attract penal action.
- 33.21. Necessary "Work in progress" boards shall be provided by the contractor at locations shown by the Officer-in-charge.
- 33.22. The contractor shall make arrangements for collection, preparing, forwarding and testing of samples at his cost as directed by the Officer-in-charge. The charges for testing to be borne by the contractor
- 33.23. Electrical connections issued to the Agency will be exclusively for their own use and any power sharing with other agencies shall be totally under the risk and cost of the agency to which power supply is allotted.
33. CSL had implemented Integrated Management System (IMS) consisting of Environmental Management System (EMS), Occupational Health & Safety Management System (OHSMS) and Quality Management System (QMS) within the yard. As part of implementation of IMS, contractor shall comply all the IMS guidelines indicated in the Annexure VI.
34. Bidders shall follow the security instructions enclosed in Annexure IX.
35. Force Majeure Condition: Should failure in performance of the contract or part there of arise from war insurrection, restraint imposed by Government, Act of Legislature of other statutory Authority or illegal strike (event like local strike/ harthal etc in the yard, state or national), riot legal lock out, flood, fire, explosion, Act of God of any inevitable or unforeseen beyond human capacity which may be constructed as reasonable ground for an extension of time. CSL may allow such additional time as is mutually agreed, to be justified by the circumstances of the case. The occurrence/ cessation of force majeure situation is to be informed with documentary evidence within 15 days from the date of occurrence or cessation.
- 36. Tax elements**
- 37.1. The tax rate of the goods and services would be as per the Govt of India published GST rate schedule for goods & services. The rates have been mapped with HSN & SAC in the rate notification issued by



the government. The rate schedule should be referred to identify the applicable rate.

- 37.2. Permanent Account Number (PAN) obtained from Income Tax Department should be mentioned in the invoice for inclusion of PAN in the TDS returns filed by CSL.
 - 37.3. GST id should be mentioned.
 - 37.4. The invoice should be as per the provisions of GST law. The invoice should mandatorily contain the HSN code/SAC and GSTIN number along with other particulars. The GST charged (CGST & SGST or IGST) should be separately indicated in the invoice.
 - 37.5. Tax inclusive invoices will not be accepted.
 - 37.6. All correction/rectification in the invoices should be done through Debit note/ Credit note only.
37. A "No claim certificate" from the workers engaged in the prescribed format should also be submitted by the contractor along with the final bill furnished for payment. Payment shall be made by RTGS/NEFT to the account of contractor. The name of the bank, A/C number, IFSC code and other particulars shall be furnished by the contractor in the proforma of CSL.
38. Full Payment will be processed only after the successful commissioning and verification of output quality water as per the requirements mentioned under scope of work
39. Any disputes or differences arising under, out of, or in connection with the contract shall be subject to the exclusive jurisdiction of courts at Ernakulum, Kerala, India

साजन एन वर्गीस or Cochin Shipyard Limited
SAJAN N VARGHESE
सहायक प्रबंधक
Assistant Manager
कोचीन शिपयार्ड लिमिटेड
COCHIN SHIPYARD LTD
कोच्ची / Kochi - 15
Asst General Manager (U&M)

SECURITY INSTRUCTIONS & I.M.S. GUIDELINES

1.0.0. SECURITY INSTRUCTIONS:

- 1.1.0. Cochin Shipyard Limited is an ISPS Code compliant Port Facility and is required to maintain the Security Level declared by the Government of India from time to time. The premises of Cochin Shipyard Limited are a 'Prohibited Area' under the Official Secrets Act. All contractors and their personnel are bound to comply with the security instructions/ orders of the Shipyard issued from time to time.
- 1.2.0. All contractors and contract workmen should have valid entry pass issued by CSL or accepted as equivalent by CSL and they shall enter the yard through Sannidhi Gate.
- 1.3.0. All movements of all persons entering through Sannidhi Gate should be recorded in the Access Control System at the Gate.
- 1.4.0. 100% checking and frisking of all contractors/contract workmen entering into the yard will be done.
- 1.5.0. All vehicles entering CSL shall have vehicle entry pass either conspicuously exhibited on the vehicles or endorsed in the entry pass. Vehicles carrying materials shall have material entry pass. Such material carrying vehicles shall be permitted entry to the Factory Area by the Blue Security or production of material pass. All contractors and their workmen shall keep personal vehicles in the parking area near Sannidhi Gate.
- 1.6.0. All persons engaged for various works in CSL through contractors should produce the following documents prior to issuing their entry passes:
 - 1.6.1. Attested copy of any of the documents mentioned below:
 - i. Photo identity card issued by government bodies
 - ii. Electoral identity card with clear photo and address particulars
 - iii. Driving license with photo and address particulars
 - iv. Passport/ attested copy of passport with photo and address particulars
 - v. Police clearance certificate with photo and address particulars
 - 1.6.2. No person above 58 years shall be permitted entry into the yard for any work except otherwise specially permitted by the Occupier of the factory.
 - 1.6.3. Police clearance certificate of not less than six months old to the effect that the concerned person is staying in the area of jurisdiction of the certificate issuing Police Station and the person is not involved in any criminal offences as per the records available therein.
 - 1.6.4. Application and declaration for enrolling under Employees Provident Fund ESI Scheme, three passport size photographs of the individuals and two copies of family photographs of the members.
 - 1.6.5. Safety Awareness Programme attendance certificate issued by CSL.
 - 1.6.6. Medical Fitness Certificate by any Registered Medical Practitioner in the prescribed format.
- 1.7.0. Mobile phones with camera are strictly prohibited inside the Shipyard. No contract workmen shall use mobile phone at Factory Area.

2.0.0. I.M.S. GUIDELINES

- 2.1.0. CSL implemented an Integrated Management System (IMS) consisting of Environmental Management System (EMS), Occupational Health and Safety Management System (OHSMS) and Quality Management System (QMS) within the yard. As a part of implementation of IMS, contractors shall comply with the following measures related to Quality, Health, and Safety & Environment (QHSE) Policy of CSL.
- 2.1.1. Meeting or exceeding customer requirements.
- 2.1.2. Assuring quality of product and service.
- 2.1.3. Preventing occupational ill health & injuries.
- 2.1.4. Ensuring safe work sites.
- 2.1.5. Conserving natural resources.
- 2.1.6. Preventing/ minimizing air, water & land pollution.
- 2.1.7. Handling and disposal of hazardous wastes safely.
- 2.1.8. Complying with statutory & regulatory and other requirements.
- 2.1.9. Developing skills and motivating employees.
- 2.2.0. Occupational Health, Safety & Environmental requirements of CSL shall include the following.
- 2.2.1. The contractor (or a sub- contractor performing work on behalf of the contractor) is deemed to comply with the occupational health, safety and environmental policy of the company and also to all operational controls/standard operating procedures and shall undertake the work in total compliance with the requirements of the established integrated management system (IMS) of the company.
- 2.2.2. The contractor shall undertake the work in total compliance with all applicable legal /statutory requirements related to occupational health, safety and environment effective in the state of Kerala.
- 2.2.3. It is the sole responsibility of the contractor to assure that any subcontractors who shall perform works in company lands/facilities/worksites on behalf of the contractor, is also following all requirements related to the integrated management system of the company and the health/safety/environmental rules effective in the state.
- 2.2.4. The contractor shall provide/implement and operate/practice all occupational health, safety and environmental management measures/facilities for their period of contract, in their activities/at their work sites, which shall be required according to the IMS of the company or that required by the health safety environmental rules established and effective in the state, at their own cost.
- 2.2.5. If any contractor failed to comply with or violated any clauses/requirements of occupational health, safety and environmental rules effective in the state, in their activities or at work sites and the same shall be exposed to the government or any competent authorities upon inspections, the contractor shall solely responsible for all liabilities caused by his/her action and shall be responsible for paying the penalty and taking the stipulated corrective actions insisted by the authorities within the specified time, at their own cost. Any liability to the company in this regard needs to be compensated by the contractor.
- 2.2.6. Upon the completion of the work, contractor shall clear the area and shall not leave any occupational health/safety/environmental liabilities to the company, from their activities at the worksites.
- 2.2.7. Any clarification related to IMS requirements of the yard, may be obtained by the contractor from the authorized representative of the contract, prior to the commencement of work.

साजन एन वर्येस Cochin Shipyard Limited
SAJAN N VARGHESE
 सहायक प्रबंधक
 Assistant Manager
 कोचीन शिपयार्ड लिमिटेड
 COCHIN SHIPYARD LTD
 कोच्ची / KOCCHI Assistant General Manager (U&M)

Signature and Seal of the Contractor (s)



GENERAL HSE GUIDELINES

- 1) Smoking is strictly prohibited
- 2) Unauthorized use of cameras and mobile phones in CSL is forbidden.
- 3) Parking of vehicle is only in approved parking locations. Priority is for Material Movement and private vehicles shall make way for material movement.
- 4) The use or possession or influence of non-prescription drugs, alcohol and the abuse of substances is strictly prohibited in CSL.
- 5) Speed Limit of vehicle in the yard is 20km/hr
- 6) Ensure walking on the roads to be near to the line marked on the road.
- 7) Fishing is not permitted in the yard.
- 8) Everyone should observe and obey regulatory signs.
- 9) Use of mobile phones is strictly prohibited while at work and driving including while cycling.
- 10) Usage of Safety Helmet with chin strap, safety shoe and cotton working dress are compulsory at CSL work site, in addition suitable PPEs which are job specific are to be used. Horse play is not entertained in CSL. (Example: Direct compressed air or gas on any person)
- 11) Risk assessment of non-routine works to be done and control measures identified before commencement of work. This shall be approved by CSL officer In charge and confirm by S&F Dept. These control measures are to be communicated to the workers.
- 12) Workers and supervisors engaged in the works shall be competent.
- 13) Briefing of HSE points related to the day activities is to be carried out by the supervisor In charge.
- 14) People to be engaged in activities preferable in group only. In case a person has to work alone, the same shall be known to at least two persons who are working nearby.
- 15) Using Paint tin, CO2 welding cable bobbin and oil drums as working platform is strictly prohibited
- 16) Don't store thinners in beverage bottles
- 17) Ensure necessary state of mind (e.g.: in sleeping mood) by having proper rest during extended working hours especially during night time.
- 18) Work permit is required for carrying of following works
 - a) Onboard vessels- Hot work | Painting in confined spaces | Electrical Shut down (Works on Electrical installation/Equipment's) | Non routine works
 - b) On CSL Installations - Work at Height/fragile roof | Excavation/Trenches Opening (any Excavation/Fuel or electrical trench opening) | Work on gas lines (New/Repairs on gas line) | Works at Crane Tracks (Any works on crane rail/track) | Non routine works
 - c) Statutory - Radiography (NDT tests using Radioactive materials, any expose of radioactive materials) | Electrical Shut Down (Works on Electrical installations/closed proximity of distribution system)
- 19) Adequate precautions should be taken during welding or gas cutting against situations such as electric shocks, burns, fumes, explosion and arc eyes.
- 20) Adequate ventilation should be provided while working in confined spaces.
- 21) Check and ensure the adjacent areas compartments are free from flammable items and suitable protections are taken before commencing hot work.
- 22) Never start hot work - cutting the bottom/side shell of ship from outside to inside.

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GENERAL HSE GUIDELINES

- 23) When welding or gas cutting in elevated positions, precautions should be taken to prevent sparks of hot metal slag falling out to the people or to the flammable material below / nearby and suitable barricade to be done at the ground.
- 24) Before welding or cutting a pipe, tank or container, which carried flammable material, it should be thoroughly cleaned and gas freed and, "Hot Work Certificate" from the controller of explosives (Petroleum Explosive and safety organization) should be obtained.
- 25) Never use Oxygen for ventilation purpose.
- 26) It is to be ensured that fuel gas(Oxygen, Acetylene, LPG), CO₂, Compressed air, Mixed gas, Nitrogen, argon etc manifold coke valves must be closed before leaving the work space. It is ensured that main valve to manifold must be closed during break time.
- 27) Fuel gas (Oxygen, Acetylene) lines to be taken out from the confine space when you are leaving for break.
- 28) Do not carry out simultaneous operations of Hot work and painting.
- 29) Ensure that no hot work should be carried out in the presence of hydrocarbon fumes.
- 30) Arc welding equipment's should be properly earthed.
- 31) Ensure that ELCB is fitted on all Welding Machines or the same to be tapped from switchboards with ELCB protection.
- 32) Ensure cables used for all electrical equipment's/tools with sufficient current carrying capacity.
- 33) Electrical hand tools used in CSL is of double insulated type.
- 34) Voltage Reducing Devices (VRD) (Safety relay) must be fitted on AC welding Machines.
- 35) Never Bypass Safety Relay on AC welding machines
- 36) Electrical extension switch boards are in metallic construction with ELCB & MCB. Only industrial type plug and socket to be used.
- 37) Only authorized persons are allowed to operate any machine/equipment / Switch boards. Unauthorized operation of any switch gear is strictly prohibited.
- 38) Never tamper with machine guards.
- 39) Ensured that all portable equipments, welding transformers/rectifiers must be switched off after use.
- 40) 230 V hand lamps are not permitted in the yard. Use 110 V hand lamps in open area and 24 V hand lamps in confined spaces. Flame proof lamps shall be used while entry to hydrocarbon carried tanks and during painting in confined spaces.
- 41) Good quality welding cables, cutting hoses and hand tools must be used in the yard.
- 42) For getting temporary electrical connections (welding sets, power plug boards), a Load Centre (LC) number shall be obtained through licensed electrical contractor and submitted to CSL Resident Electrical Engineer (REE).
- 43) Works to be performed only on certified scaffolding (Hand rails, planks without gap, access to working platform). All working platform having 2m and above shall be certified by CSL safety personal.
- 44) Always wear full body harness while working at height (eg. While working on scaffolding). The anchor points of harness should be strong enough.
- 45) While it is liable to fall into water bodies, floating vest are to be worn.
- 46) Height of handrail should be of 90 cm with intermediate railing of 45 cm, wherever protective hand rails are provided for fall protection.
- 47) Excavated materials should be put away from the edge of the excavated trench to avoid slopping of the excavated materials into the trench.

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- 48) Never enter into tanks without permit.
- 49) Working in man holes or pits must acquaint himself and advise his employees of the hazards of gas or liquid level and take proper precautions.
- 50) Open manholes and places where it is liable to fall, those areas must be protected by strong barricade with intermediate railings. Man hole covers should be replaced promptly when work is suspended.
- 51) Jumping on off trucks, automobiles or other moving vehicle is prohibited. Men should wait until the vehicle stop before attempting to enter or leave.
- 52) All lifting tools and & tackles, pressure vessels including blasting hoppers to be tested every year by competent person and obtained valid test certificate. Ensured that items that are defect free and in good condition are used.
- 53) Any situation affecting the safety of an employee or his fellow employees shall be immediately brought to the notice of site supervisor or reported to CSL Chief Safety Officer.
- 54) Only authorized employees should be allowed to operate the mobile cranes and other hoisting equipment & Rigging/Signaling.
- 55) Standing under suspended loads is dangerous and is avoided.
- 56) Compressed air should not be used to clean the clothing. When not using the compressed air, the valve must be shut off
- 57) Any kind of Gas cylinders (empty/full) should be secured in upright position and away from direct sunlight.
- 58) Air hoses, welding cables, fuel hoses, electric cables should not be allowed to lie across walkways etc. and they should be suspended from overhead.
- 59) Inflammable liquids must be handled in safe cans or containers approved by CSL and shall be stored in space having good ventilation and acceptable to CSL. All such containers must be clearly labeled and warnings exhibited visibly.
- 60) Material Handling Equipments to crane tracks through the authorized route only.
- 61) Rescue operations done only by authorized person. If there is life threat observed, anybody can clear the threat and wait for authorized rescue persons for further actions.
- 62) Any kind of emergency(fire/Rescue/personal Injury/Property damage) to be reported to CSL fire control room which is manned control room 24 hrs(Control room contact numbers are 9895788288 / 0484 2501300 / 0484 2501333).
- 63) Everybody should be responsible for housekeeping at their work site.
- 64) Avoid activity/action that leads to air/water/soil pollution.

Note:

Any clarifications on the above may kindly refer to CSL HSE manual or contact CSL Chief Safety Officer.

For contractors, the following points are

- 1) The Contractor before starting any work in the CSL premises will be issued with these CSL HSE guidelines and firm is expected to give a declaration that he receives one copy of the CSL HSE guidelines and will comply with laid therein.
- 2) A responsible safety Incharge is to be designated by the firm for the activities. The details of the safety Incharge shall be communicated to S&F dept. He shall take a lead to ensure safe work environment for their work sites.

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GENERAL HSE GUIDELINES

- 3) CSL reserves its right to suspend work in the event of the contractor not complying with the HSE guide lines with regarding to HSE practices for which no claim of any kind will be entertained.
- 4) To ensure the safe conduct of safety operation a representative of the contractor should maintain appropriate contact with the CSL officer-in-charge of the work as may be necessary to acquaint himself with any changed conditions of other matters relating to the HSE performance.

साजन एन वर्गीस
SAJAN N VARGHESE
सहायक प्रबंधक
Assistant Manager
कोचीन शिपयार्ड लिमिटेड
COCHIN SHIPYARD LTD
काच्चो, Kochi-15

A 00

INITIAL REVISION:
01/07/2014

A 00

LATEST REVISION: 01/07/2014

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Self-Declaration to be given by the bidder in Letter pad

Bid's Reference No. & Date:

Bidder's Name & Address

Person to be contacted:

Designation:

Telephone No.:

Fax No.:

Email:

1. We do hereby declare that we have not been debarred/black listed by CSL or by any of the Public Sector Undertaking or Government department etc.
2. If CSL finds that, we have been blacklisted/debarred by any of the Public Sector Undertaking or Government department, and then CSL can reject the offer or terminate the contract at any point of time. In such case, we are aware that, EMD, security deposit, performance guarantee etc will be forfeited by CSL. Further we are confirming herewith that, any loss that has happened to CSL due to this will be compensated by us.

For and on behalf of the firm

(Firms Name & Address)

(Signature of Authorized Signatory)

Name:

Designation

Phone No.:

Seal:

Date:

Place

FORMAT OF AGREEMENT

AGREEMENT No.....

dt.....

Articles of agreement executed this ----- day of -----two thousand----- between THE DEPUTY GENERAL MANAGER (U&M DEPARTMENT) COCHIN SHIPYARD LIMITED, COCHIN-15 acting for and on behalf of Cochin Shipyard Limited, Cochin-15 (hereinafter called the "Cochin Shipyard Limited") of the one part and M/s. ----- (hereinafter called "CONTRACTOR") of the other part.

Whereas the contractor has submitted the quotation for the work of -----vide his quotation (offer No.). ----- Dated ----- and subsequent letter ----- (clarification letters if any) -----.

AND WHEREAS the Cochin Shipyard Limited, have been pleased to accept the said quotation as clarified by the subsequent letter and the terms and conditions of (work order No..... dt.....).

NOW THESE presents witness and it is hereby mutually agreed as follows:

1. The contractor shall undertake to carry out the said work according to the specifications, terms and conditions attached herewith.
2. In case the contractor fails to carry out the said work tendered for by him within, part or in full, the time provided of or in case the contractor commits any breach of any of the covenants, stipulations and agreements herein contained, and on his part to be observed and performed then and in any such case, it shall be lawful for the Cochin Shipyard Limited (if it shall think fit to do so) by an order in writing to put an end to this contract, and in case the Cochin Shipyard Limited shall have incurred, sustained or been put to any cost, damages or expenses by reason of this contract having been so put an end to or in case any differences in price, compensation, loss, cost, damages, expenses or other moneys shall then or at any time during the continuance of this contract be payable by the contractor to the Cochin Shipyard Limited under or by virtue of this contract it shall be lawful for the Cochin Shipyard Limited from and out of any moneys for the time being payable or owing to the contractor from the Cochin Shipyard Limited, under or by virtue of this contract or otherwise to pay and reimburse to the Cochin Shipyard Limited, all such costs, damages and expenses they may have sustained, incurred or been put to by reason of this contract having been so put an end to aforesaid and also such differences in price, compensation, loss, costs, damages, expenses or other moneys shall for the time being be payable by the contractor aforesaid.
3. All expenses and damages caused to Cochin Shipyard Limited by any breach of all or any of the terms of this contract by the contractor shall be paid by the contractor to the Cochin Shipyard Limited and may be recovered from him.

The quotation No. (Offer No.)----- and subsequent letter (clarification letters if any) -
-----dt.....and the terms and conditions of the work attached form an integral part of
this agreement.

In witness where of the parties here to have been here unto set their hands the day and year first above written.

Signed sealed and delivered by

Acting for on behalf of Cochin Shipyard Limited

In the presence of

Witness: 1.

2.

(Signed Sealed and Delivered by)
(The name and address of the Contractor)

Witness: 1.

2.

Bank Guarantee in lieu of Security Deposit/ Performance Guarantee

TO

COCHIN SHIPYARD LTD

(GOVT. OF INDIA ENTERPRISE,)

PO BAG No. 1653, PERUMANOOR PO, COCHIN 682 015.

WHEREAS(Name & Address of Contractor) (hereinafter called "**the Contractor**") has undertaken, in pursuance of Contract.....No.....Dated: to execute
.....
.....(Name of Contract and brief description of works) (hereinafter called "**the Contract**").

AND WHEREAS it has been stipulated by **COCHIN SHIPYARD LTD** (The Buyer - hereinafter called "**CSL**") in the said contract that the Contractor shall furnish **CSL** with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with the Contractor's obligations in accordance with the Contract.

AND WHEREAS we have agreed to give the Contractor such a Bank Guarantee. NOW THEREFORE we (Name of the Bank) having its Head Office at (Address of Head Office) and acting through its branch office at (Address of the executing branch) (hereinafter called "**the Bank**") hereby affirm that we are the Guarantor and responsible to **CSL**, on behalf of the Contractor up to a total of Rs.(amount of Guarantee) (RupeesOnly), such sum being payable in the types and proportions of currencies in which the Contract Price is payable and we undertake to pay **CSL** upon your first written demand and without cavil or argument, any sum or sums within the limits of(amount^{III} of guarantee) as aforesaid without **CSL** needing to prove or to show grounds or reasons for **CSL's** demand for the sum specified therein.

We, the Bank, hereby waive the necessity of **CSL** demanding the said debt from the Contractor before presenting us with the demand.

We, the Bank, further agree that no change or addition to or other modification of the terms of the Contract or of the Works to be performed there under or of any of the Contract documents which may be made between **CSL** and the Contractor shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid until 28 days from the date of expiry of the Defects Liability Warranty period.

Notwithstanding anything contained herein:

1. Our liability under this Bank Guarantee shall not exceed
Rs.....(Rupees.....
..... only).

2. This Bank Guarantee shall be valid up to (date) and

3. We are liable to pay the guaranteed amount or any part thereof under this bank guarantee only and only if **CSL** serve upon us a written claim or demand on or before (date).

Any claim shall be accompanied by a written statement stating:

- i) that the principal is in breach of its obligation(s) under the underlying contract, and
- ii) the respect in which the Principal is in breach.

Yours truly,

Signature and seal of the guarantor:.....

Name of Bank:.....

Address:

Date:.....

An amount shall be inserted by the Guarantor, representing the percentage of the Contract Price specified in the Contract and denominated in Dollars / Indian Rupees.

(Mandate for receiving payments through NEFT Cochin Shipyard Ltd)

- a. Name of the Bank

[illegible][illegible]

- b. Name of the Branch

[illegible][illegible]

- c. NEFT/IFS Code of the Bank

[illegible]

- d. Branch Code

- c. City Name

- f. Branch Location

- g. Branch Telephone No. _____

- #### h. 9-Digit MICR Code

--	--	--	--	--	--	--	--	--

(where MICR is starting with "0". Please take the correct code from your bank for proper identification of city, bank, branch)

- i. Type of the Account(S.B,Current or Cash Credit) with code (010/011/013)

--	--	--

- j. Account Number (as appearing on the cheque book)

[illegible]

- 6) Email Address of Vendor
7) Date of Effect of RTGS/NEFT in your Bank

(Please enclose a cancelled un-signed cheque leaf to enable us to verify the details mentioned above)

We hereby declare that the particulars given above are correct and complete. If the transaction is delayed or lost because of incomplete or incorrect information, we would not hold the company responsible.

(.....)

Signature of vendor

Bank Certificate

We certify that _____ has an Account No. _____ with us and we confirm that the details given above are correct as per our records.

Date: _____

Place:

(.....)

Authorized official of Bank

PRICE BID**(To be filled by the contractor)**

Tender No: U&M/GRG/1051/23

Dated: 07-09-2023

SL NO	ITEM	SPECIFICATION	UNIT	QTY	UNIT RATE (Rs.)	AMOUNT (Rs.)
<u>SUPPLY OF PRODUCTS</u>						
1	Lift Pump	Make/Brand – Kirloskar Type/Model – Self Prime Mud Pump Material - CI Power - 0.5 HP Size - 1.5" Capacity - 2 m ³ /hr at 12m	Nos	02		
2	Filter feed Pump	Make/Brand – Kirloskar/Johnson/wilo Type/Model – Centrifugal Pump Material - CI Power - 0.5 HP Size - 1.5" Capacity - 3 m ³ /hr at 25m	Nos	02		
3	Dosing Pump(For Chlorine dosing)	Make/Brand – E dose Type/Model – Diaphragm Pump Capacity - 0-5 Ltrs/hr	Nos	03		
4	Pressure Sand Filter	Make/Brand – Pentair/ Starlite Type/Model – 1054 Dimensions - Dia 250 & Height.< 1300 mm Media - Graded Quartz sand	Nos	01		
5	Activated Carbon Filter	Make/Brand – Pentair/ Starlite Type/Model – 1054 Dimensions - Dia 250 & Height.> 1300 mm Media - Activated carbon IV-1000	Nos	01		
6	Control Panel and electrical works (within plant Room)	Make/ Brand - L&T Fittings Material of Construction- MS powder coated CRCA 16 gauge sheet along with TOD type energy meter	Nos	01		
7	Water meter	1" inlet/outlet, Brass	Lot	01		
8	Pipe and Fittings(for Plumbing & Electrical Work)	Make/Brand – Supreme/ Finolex Type/Model – PVS Pipe	Lot	01		

9	Treatment Tanks	Wall thickness – 8 mm Material of Construction - FRP with Marine grade iso resin Tank dimensions Settling tank - with partitions -1.2 m dia x 2.0 m long Cylindrical Filter feed tank - 1.2 m dia x 2.0 m long Cylindrical Treated water tank -1200 Liters, dia 1.12m Make: Varsha/ Aqua	Lot	01		
WORKS						
10	Construction of Underground Tanks and truss work	Collection tank - Capacity 2500 Liters, RCC construction (as per drawing) area to protect the filters and Drying bed - 100x70x 50 cms drying beds -2 Nos. construction on bricks Platform placing pumps and filters - 300x255 cms with 10 cm thick platform for placing pumps and Truss work above platform Truss work – Truss work above platform area to protect the filters and Pumps	Lot	01		
11	Installation & Commissioning	Along with Installation & commissioning it should be proved that output quality of treated water meets the standards specified in scope of work.	Lot	01		
12	AMC(1 Visit per 3 months up to 2 years)		Year	02		
13	Submission of Lab test results (Twice in a year up to 3 years)	Lab should be approved by Pollution control board	Per Test	06		
				Total Amount (₹)		
				Total CGST @% (₹)		
				Total SGST @% (₹)		
				Total IGST @% (₹)		
				Grand Total Amount including Tax (₹)		
Grand Total Amount including Tax in words Rupees						
.....						

Note:

1. In the case of error in multiplication/addition in the amount calculated, the unit rate quoted will be considered as correct and the amount will be calculated accordingly.
2. Being a work package, the rates quoted for individual line items will not be considered for arriving L-1. The L-1 will be calculated based on the total quoted amount.

Date:

Signature and Seal of the Contractor (s)