

Tender No: HCSL/OPS/SB/TEN/167/2023-24dated 07.09.2023

**TENDER NOTICE**

Sealed competitive tenders are invited on behalf of Hooghly Cochin Shipyard Limited (HCSL) from experienced vendors for the under mentioned work, so as to reach the undersigned on or before the date and time mentioned below. Please refer Scope of Supply, Terms and Conditions attached.

Tender No. & date	HCSL/OPS/SB/TEN/167/2023-24dated 07.09.2023
Scope of Supply / Work	CNC Router Cutting of Aluminium Plates for IWAI Vessels <b>(Detailed specification is enclosed in Annexure-III separately)</b>
Type of Tender	<b>Two Bid</b>
Cost of tender form	<b>NA</b>
Earnest Money Deposit (EMD)	<b>Rs. 1,00,000/-</b>
Last date & time of receipt of tender	21.09.2023 at 15.00 Hrs.
Date & time of opening of technical bid	21.09.2023 at 15.30 Hrs.
Period Of Contract	Refer Annexure-I Clause. 4
Officer - in - Charge	<p>Name : Arun M Y Designation: DM (Mech.) Email : arun.my@hooghlycsl.com Phone No: : +91 9486396216</p> <p>Name : Siva Prasad S P Designation: M (Elec.) Email : sivaprasad.sp@hooghlycsl.com Phone No: : +91 9487017033</p>

**Tender reference should be clearly indicated on top of the respective envelopes.**

Sealed tenders in Two cover system (Prequalification cum Technical and Price Bid) addressed to **The DGM (P&O)** shall be dropped in the HCSL tender box or courier to **Hooghly Cochin Shipyard Ltd (HCSL), Satyen Bose Road, Danesh Sk Lane (PO), Nazirgunge, Howrah, West Bengal, PIN -711109** before the due date and time.

**1. Minimum qualification criteria for participating in the tender will be as follows:**

- i. Successful experience as Service Provider in the successful completion of at least **one (1) similar scope of work** of nature and complexity comparable to the proposed work within the last **5 years** from the date of issue of tender document. The value of the work should not be less than **Rs. 43.20 Lakhs** (Satisfactory completion certificate from the Client for work done should be submitted along with bid).

Or

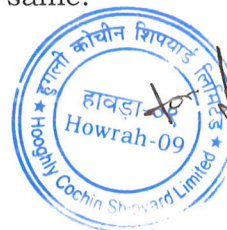
Successful experience as Service Provider in the successful completion of at least **two (2) similar scope of work** of nature and complexity comparable to the proposed work within the last **5 years** from the date of issue of tender document. The value of the each work should not be less than **Rs. 27 Lakhs**. (Satisfactory completion certificate from the Client for work done should be submitted along with bid).

Or

Successful experience as Service Provider in the successful completion of at least **three (3) similar scope of work** of nature and complexity comparable to the proposed work within the last **5 years** from the date of issue of tender document. The value of the work should not be less than **Rs. 21.60 Lakhs**. (Satisfactory completion certificate from the Client for work done should be submitted along with bid).

**Similar scope of work means:** The intending bidder must have successfully completed of Aluminium Plate (not the thickness less than 3mm) cutting through CNC Router for Vessels/Heavy Industry during the last 5 years ending last day of month previous to one in which applications are invited.

Contractor shall submit the valid proof like letter in Client's letter head or Combined Completion Certificate for substantiating the same.



- ii. The average Annual Turnover of the bidder should be more than **Rs. 27 Lakhs** during the last three preceding years. (Audited Balance sheets showing turnover, Profit & Loss account of the firm for the preceding 03 years (2019-20,2020-21, 2021-22) should be submitted along with the application for prequalification).
- iii. Vendors need to have Positive Net-worth as per the latest audited balance sheet of 2021-22.
- iv. The Tenderer should enclose copy of PAN, GST registration certificate, Income tax returns for last three years. (A copy of the same shall be submitted along with the application for issue of tender document).

The tender documents can be downloaded from HCSL Website [www.hooghlycsl.com](http://www.hooghlycsl.com), CSL website [www.cochinshipyard.in](http://www.cochinshipyard.in) or <http://www.eprocure.gov.in>. The tender documents are available on above mentioned link. All corrigenda, addenda, amendments and clarifications to this tender will be hosted in the website [www.hooghlycsl.com](http://www.hooghlycsl.com), [www.cochinshipyard.in](http://www.cochinshipyard.in) or <http://www.eprocure.gov.in> and not in the newspaper. Bidders shall keep themselves updated with all such developments till the last date and time of submission of tender.

**Tender administration:** Tender procedure/administration/evaluation including correspondences will be done M/s. Hooghly Cochin Shipyard Limited, Howrah and awarding of contract will be done by M/s. Hooghly Cochin Shipyard Limited, Howrah, West Bengal.



**For Hooghly Cochin Shipyard Limited**



**TENDER NO.** HCSL/OPS/SB/TEN/167/2023-24dated 07.09.2023

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**For Hooghly Cochin Shipyard Limited**

Signature and Seal of the Bidder (s)

## **TERMS & CONDITIONS OF ENQUIRY**

**TENDER NO.** HCSL/OPS/SB/TEN/167/2023-24 dated 07.09.2023

### **CNC Router Cutting of Aluminium Plates for IWAI Vessels**

#### **1. DESCRIPTION OF WORK**

- 1.1. This tender enquiry pertains to the awarding of sub contract for CNC Router Cutting of Aluminium Plates for IWAI Vessels, as per the following documents:
  - 1.1.1. Hooghly Cochin Shipyard Ltd - Terms and conditions (Annexure I)
  - 1.1.2. Hooghly Cochin Shipyard Ltd - General conditions (Annexure II)
  - 1.1.3. Scope of Works, specification (Annexure III, IV)
- 1.2. The work includes collection and transport of raw materials from HCSL, West Bengal and Router cutting, and Transportation from bidder's works to HCSL, West Bengal in accordance with the enclosed Specifications and drawings, delivery schedule, HCSL - General Terms and conditions in all respects.
- 1.3. Bidders are requested to obtain clarifications, if any, and carefully study the documents and the scope of work of Contractor and HCSL, before submitting their offer.

#### **2. ELIGIBILITY CRITERIA**

- 2.1 The Bidder shall have CNC Router cutting machine, to execute Q3 and Q4 cut finish. (Details of Router cutting machine should be provided along with the offer)
- 2.2 Bidder should have covered space for storing at least 85 Ton of aluminium plates at a time.
- 2.5 Contractor should have adequate capacity to meet the time-lines specified in the clause 4.

#### **3. SCOPE OF WORK OF CONTRACTOR**

- 3.1. CNC Router cutting of Aluminium Plates of thickness varying from 3 to 32 mm, Length 6000 to 9000mm and width 1200 to 2200mm, provided by HCSL. However, 95% of the plates are having the length as 9000mm and width is 2200mm.

- 3.2. The work includes collection and transport of Aluminium plates from HCSL,Howrah/Kolkata Port to Router cutting and fit up line marking as per drawing at bidder's premises and Transportation from bidder's works to HCSL, Howrah.
- 3.3. The scope and detailed description of work for Contractor is specified in the Technical Specification - Annexure III.

**4. SCHEDULE OF COMPLETION OF WORK**

S.No.	Vessel No.	Tentative Delivery date of Cut job materials at CSL	Remarks
1	First set of 2 Vessels	30 Days from the date of Placement of Order	Batch-1
2	Second set of 2 Vessels	40 Days from the date of Placement of Order	Batch-2
3	Last set of 2 Vessels	50 Days from the date of Placement of Order	Batch-3

- 4.1. Each batch, after marking and cutting, is to be returned to HCSL as scheduled above. Tentative time of issue of material from HCSL, Howrah/Kolkata Port is End Oct, 2023.
- 4.2. Contractor should have adequate capacity to meet the above time-lines.
- 4.3. If required HCSL have the right to outsource First Set of 2 vessels work to the Contractor and the remaining shall be allocated on progressively manner depend upon the progress of the work.

**5. OFFER VALIDITY**

- 5.1. The offer shall be valid for acceptance for a period of **90 days** from the date of opening of the Part - I Techno-Commercial Bid.

**6. PRICE BID REQUIREMENT/GUIDELINES**

- 6.1. The bid shall be comprehensive of the nature of the work to be executed and shall be inclusive for all the applicable charges envisaged under the scope of the contractor as specified in clause 2 above.
- 6.2. The price bid shall be all inclusive of scope of contractor on lump sum basis and any rates on variable basis will not be accepted within the price bid and thereafter throughout the period of the contract.

- 6.3. Any variable rates if deemed inevitable and applicable only in special cases/situations (not in the normal course of execution of contract) will only be considered for mutual agreement.
- 6.4. Quantity mentioned in the price bid shall vary according with the actual work done and the same shall be paid/calculated on pro-rata basis.
- 6.5. **Price Bid Format:** The price bids shall be prepared as per the format given in annexure V to enquiry
- 6.6. **Currency:** The price bids shall be prepared in Indian National Rupees for all bidders.

## **7. TAXES**

- 7.1. GST shall be applicable extra on the prescribed work. You are requested to furnish the following details in the invoice/Bill.
  - 7.1.1. Applicable rate of GST/SAC Code
  - 7.1.2. Firms GST Reg. NO.
  - 7.1.3. Service accounting code (SAC) as prescribed by statutory authorities.
  - 7.1.4. GST Reg. No. of Hooghly Cochin Shipyard Ltd (**19AAECH3640L1ZD**).
- 7.2. Any new tax/duty that may be made effective by the government for this work and paid by the contractor shall be reimbursed on production of documentary evidence.

## **8. MSME- Privileges**

As per public procurement policy for MSME's order 2012, certain special privileges for micro and small enterprises (MSME's) are provided. Following are the special privileges.

- A. For all firms who are registered with district industries centre and come under the category of Micro and small Enterprises holding a valid EM Part II certificate or Udyog Adhaar certificate, the following benefits are extended.
  - i. Tender forms shall be issued free of cost.
  - ii. Payment of Earnest Money Deposit (EMD) is exempted.
  - iii. Additionally waiver of security deposit (SD) is extendable to those MSMEs registered with National Small Industries Corporation (NSIC), up to financial limit as mentioned in NSIC certificate. However guarantee of the items supplied/service provided has to be ensured through a bank guarantee (BG).
- 1. Order dated 23<sup>rd</sup> March 2012, from ministry of MSME, pertaining to public procurement policy is applicable for this tender.
- 2. The bidder has to submit necessary documentary proof along with bids in support of their registration under MSME and NSIC to be eligible for above privileges. Firm not registered under MSME are required to submit EMD and tender cost.

## **9. VALIDITY OF CONTRACT**

- 9.1. Once the contract is awarded, the price offered and mutually agreed shall remain firm till completion of work and no escalation in labor, transportation cost etc. shall be allowed by HCSL on whatsoever reason thereafter.

## **10. PAYMENT TERMS**

- 10.1. The standard terms of payment of HCSL shall be as follows:-
- 10.1.1. Payment will be made on pro-rata basis for completed works on certification by the officer-in-charge.
- 10.1.2. Payment shall be released within 30 days of receipt of invoice.
- 10.1.3. All claims for payment for the work/additional work shall be submitted by the subcontractor within one month of completion of work.
- 10.1.4. Statutory levies such as I.T, Contribution towards PF, ESI etc., shall be deducted from the bill (if applicable)
- 10.1.5. Payment will be made by RTGS/NEFT to the account of contractor. The name of the bank, branch, A/C No., IFSC code & other particulars shall be furnished by the contractor in the proforma of CSL.

## **11. SECURITY DEPOSIT**

- 11.1. The successful tenderer shall remit 5% of the value of the contract as security deposit within 15 days of receipt of the work order. This amount may be remitted by way of demand draft or bank guarantee (in approved Performa of HCSL) from any of the nationalized banks, valid till the satisfactory completion of the entire work.
- 11.2. In case the contractor fails to submit the SD in time, deduction of SD amount will be made from the bills submitted. The Security Deposit will be released after satisfactory completion of the contract/ guarantee period (if no separate BG as per clause 10 is not furnished) and on certification of nil liability to HCSL by Officer-in charge.)
- 11.3. The Security Deposit retained will not bear any interest and **is applicable for all bidders irrespective of MSME/NSIC registration for necessary coverage under the performance guarantee clause.**

## **12. Cost of Tender and EMD (Earnest Money Deposit):**

- 12.1. Tenderers shall deposit an amount of Rs. 1,00,000/- (One Lakhs only) as Earnest Money Deposit (EMD) along with the tender.
- 12.2. The EMD can be remitted in the form of Demand Draft (DD) / Banker's Cheque / Fixed Deposit Receipt (FDR)/ Bank Guarantee drawn in favor of 'Hooghly Cochin Shipyard Ltd. payable at Kolkata and shall be valid for a period of 6 (Six) months from the due date of opening of Techno-



commercial Bids from any Nationalized/ Scheduled Bank or paid online through e-gateway of -

**HOOGLY COCHIN SHIPYARD LIMITED**

**UNION BANK OF INDIA**

**SHIBPUR-HOWRAH BRANCH**

**ACCOUNT NO: 756905010000104**

**IFSC CODE: UBIN0575691**

EMD furnished by all contractors except the lowest tenderer will be released after issuing work order and submission of SD and its acceptance by the contractor to whom the work is awarded.

EMD of the successful tenderer will be refunded after remittance of the security deposit and execution of the agreement.

EMD deposited with the Client will be forfeited,

- If a bidder withdraws or modifies his bid during the period of validity specified or
- if the successful bidder fails within the time limit to sign the agreement document or fails to furnish the required security deposit.
- Request for enhancement in the quoted rates or bringing in new conditions after tender opening or unnecessary delayed acceptance of the order / commencement of work / submission of Security Deposit.

### **13. PERFORMANCE GUARANTEE**

- 13.1. The complete work carried out by the contractor shall be guaranteed against poor workmanship for a period of one year from the date of completion of work. Any work found defective during this period is to be repaired entirely at the contractor's cost and such repaired items shall be guaranteed for a further period of one year from the date of repair.
- 13.2. Should any unsatisfactory performance and / or damage or failure occur due to poor workmanship and poor quality material used by the contractor, the contractor shall be solely responsible for payment/reimbursement of expenditure incurred by HCSL for rectifying the defect.
- 13.3. Towards this, a performance guarantee equivalent to 5% of the value of the contract to be furnished by the contractor on completion of the works by way of a bank guarantee (in approved proforma of HCSL) from a nationalized bank valid till the expiry of the guarantee period. In case

the contract fails to submit the PG in time, SD mentioned at Clause 10 will be retained till the expiry of guarantee period.

**14. GUARANTEE FOR THE MATERIAL ISSUED BY HCSL**

The successful bidder should furnish Indemnity Bond i.e 15% of total contract value for material taken out from HCSL in the approved format of HCSL (Annexure-VI)

**15. INSURANCE (TRANSIT & MATERIAL LYING DOWN IN CONTRACTOR PREMISES)**

All material dispatched from HCSL, Howrah/Kolkata port to the contractor and returning back from contractor to HCSL, Howrah shall be insured by HCSL through “ Marine Cargo Open Policy”

“All risk Insurance cover “ for Material lying down at contractor premises during the work/till dispatch shall be covered under the scope of the Contractor only. The approximate cost of material to be insured will be intimated at the time of dispatch for outward

**16. LIQUIDATED DAMAGES**

- 16.1. In case there is a delay in completion of the contract as per the schedule of completion due to the reasons attributable to the Contractor other than force majeure conditions, the Contractor shall be liable to pay liquidated damages at the 0.5% percent of the value of the contract per week or part thereof, subject to a maximum of ten (10) percent of the value of the contract (value of the contract is depend upon delivery terms as mentioned in Caluse.4 of Annexure-I).

**17. CANCELLATION OF ORDER AND RISK CONTRACTING**

- 17.1. In the event the contractor fails to complete the work promptly and satisfactorily as per the terms of the order, and if the work is delayed beyond the agreed schedule, HCSL, without prejudice, reserves the right to cancel the order and get the work done at contractor's cost and the expenditure so incurred including any damage or loss will be recovered from him and the Security Deposit furnished by him is liable to be forfeited either in whole or in part.

**18. FORCE MAJEURE**

- 18.1. Should failure in performance of any part of this contract arise from war, insurrection, restraint imposed by Government act or legislation of other statutory authority, from explosion, riot, legal lock-out, flood, fire, act of Govt or any inevitable or unforeseen event beyond human control which will be construed as a reasonable ground for extension of time, HCSL may allow such additional time as is mutually agreed to be justified by the circumstance of the case.

## **19. ARBITRATION**

- 19.1. Any disputes arising during the currency of the contract shall, in the first instance be settled by mutual discussions and negotiations. The results of such resolution of dispute shall be incorporated as an amendment to the contract, failing which the parties can resort to arbitration.
- 19.2. If any dispute, disagreement or question arising out of or relating to or in consequence of the contract, or to its fulfillment, or the validity of enforcement thereof, cannot be settled mutually or the settlement of which is not herein specifically provided for, then the dispute shall, within thirty days from the date either party informs the other in writing that such disputes, disagreement exists, be referred to arbitration. The arbitrators shall be appointed and the arbitration proceedings shall be conducted in accordance with and subject to the Arbitration and Conciliation Act, 1996 (No. 26 of 1996) as amended from time to time and the decision of the Arbitrators shall be final and binding on the parties hereto. The arbitration will be done by a Board comprising one officer nominated by each party, and a mutually agreed Umpire. Each party shall bear its own cost of preparing and presenting its case. The cost of arbitration shall be shared equally by the parties unless the award provides otherwise. The enforcement of the award shall be governed by the rules and procedures in force in the State in which it is to be executed. Performance under this Contract shall however, continue during arbitration proceedings and no payment due or payable by the parties hereto shall be withheld unless any such payment is or forms a part of the subject matter of arbitration proceedings.
- 19.3. In case of disputes, the same will be subjected to the jurisdiction of courts at Howrah/Kolkata India only.

## **20. JURISDICTION**

- 20.1. All questions, disputes or differences arising under/out of or in connection with this contract shall be subject to the jurisdiction of the Courts in Howrah/Kolkata.

## **21. TERMINATION & LIMITATION OF LIABILITY**

- 21.1. This contract may be terminated upon the occurrence of any of the following events
- (a) By agreement in writing of the parties hereto;
  - (b) By the non-defaulting party, upon default by the other party, if not remedied within thirty (30) days, or such longer time as may be agreed upon by the parties, after receipt of notice thereof in writing from the non-defaulting party;
  - (c) By the other party, upon either parties;
    - (i) Making the assignment for the benefit of creditors, being adjudged a bankrupt or becoming insolvent; or

- (ii) Having a reasonable petition filed seeking its' dissolution or liquidation, not stayed or dismissed within sixty (60) days; or
- (iii) Ceasing to do business for any reason.

(d) In cases where maximum limit of LD is reached and still the items are not delivered.

(e) For fraud and corruption or other unacceptable practices.

(f) Upon expiry or termination of this Contract, neither party shall be discharged from any antecedent obligations or liabilities to the other party under this Contract unless otherwise agreed in writing.

21.2. HCSL may by notice in writing to supplier terminate the order after issuing due notice i.e. 15 days notice period. HCSL shall be entitled to compensation for the loss limited to the order value.

21.3. Liability maximum that can be claimed by the supplier shall be limited to what is due to be and has been paid by HCSL for the material delivered/work done as per the payment milestones.

## **22. INDEMNITY**

22.1. Contractor shall indemnify HCSL against any claim of infringement of letters, patent or registered design/the use or sale of any article of materials supplied to HCSL by the contractor and against all costs and damages, which HCSL may incur in any action for such infringement or for which HCSL become liable in any such action

## **23. SUB CONTRACTING AND ASSIGNMENT**

23.1. Contractor shall not assign nor transfer the Purchase Order/ Work Order nor shall any share or interest therein in any manner or degree be transferred or assigned by Contractor to a third party without prior consent in writing of HCSL. Notwithstanding assignment to which HCSL has given consent, Contractor shall be and remain solely responsible and liable for the proper and timely supply of the cut aluminium plates in accordance with the provisions of the Purchase Order/ Work Order.

23.2. Contractor shall not contract with any subcontractor and/or vendor without the prior written consent of HCSL. Such consent shall not relieve the Contractor from any of his responsibilities and liabilities under the Purchase Order/ Work Order. In addition, Contractor shall ensure that the terms and conditions of any such contract shall comply with and correspond to the terms and conditions of the Purchase Order/ Work Order.

## **24. SECRECY & RESTRICTION ON INFORMATION TO MEDIA**

(a) The information contained in the enquiry as such shall NOT be communicated to any third party without prior approval of HCSL.

(b) Information in respect of contracts/orders shall NOT be released to the national or international media or anyone not directly involved in its execution without the written approval of HCSL

**25. GENERAL CONDITIONS**

25.1. Quality of workmanship shall conform to the specification/ standards of the Contractor and in accordance with rules of the CLASS

25.2. HCSL reserves the right to accept / reject any offer

25.3. HCSL reserves the right to award the work to more than one contractor or to take over partially or fully the work depending upon the schedule requirements.

25.4. The Contractor shall indemnify HCSL or its officers against any claims arising out of accidents or injuries to workmen or other persons or damage to other property which may arise during the execution of the contract or from breach of any Law or Regulation prior to delivery and acceptance of the items at HCSL.

**26. OVERWRITING & CORRECTIONS**

26.1. Tender shall be free from overwriting or erasures. Corrections and additions, if any, shall be duly attested and a separate list of such corrections shall be attached with the offer.)

**27. ACCEPTANCE OF TERMS AND CONDITIONS**

27.1. In case any of the above conditions is not acceptable to the tenderer, it should be specifically indicated in the tender failing which it will be presumed that all the terms and conditions are acceptable.

SD/-

**For Hooghly Cochin Shipyard Limited**

**GENERAL CONDITIONS**

1. The complete work to be carried out with the highest degree of workmanship under the inspection of HCSL, Classification Society (when specifically indicated in the technical specifications), Ship owner, or any other agency nominated by the Shipyard.
2. Any minor modifications, resulting from the change in statutory regulations prevailing at the time of final inspection of work by Classification Society, to be carried out by the Contractor free of cost. In case of rework/modification/additional work, written consent is to be obtained from the Officer-in-charge before commencement of the work.
3. Contractor shall carry out the complete work in accordance with Shipyard's approved drawings. Any minor modifications from drawing or any other work or supply of material, which is not specified hereunder, but is considered incidental and essential for the successful completion of the job shall be carried out by the Contractor without any additional charge.
4. Contractor shall execute, during or after completion of the work, any minor job connected with the work, should it be considered necessary by Shipyard and/or Classification Society
5. The contractor shall be responsible for any damage caused to the material supplied by HCSL. Compensation with penalty for damage or loss of the item will be recovered from the Contractor, in the event of loss or damage.
6. Material supplied by HCSL may not be in the required size and shape. These may be cut and prepared after proper nesting by the Contractor. Special care to be taken to reduce wastages. Shortage of any material (supplied by HCSL) arising out of excess wastages due to improper planning shall have to be made up by Contractor free of cost.
7. Contractors are required to work round the clock / Sundays/ holidays as per the requirement of concerned department in order to complete the work in time.
8. Any particulars/literature/information/certificates required by the Shipyard in connection with the work is to be forwarded free of cost.
9. All correspondence with the Shipyard to be in English language. All documents and plans to be in English language and in metric units.

SD/-

**For Hooghly Cochin Shipyard Limited**



Tender No. HCSL/OPS/SB/TEN/167/2023-24 dated 07.09.2023

**TECHNICAL SPECIFICATION FOR ROUTER CUTTING OF ALUMINIUM PLATES****Location:**

Hooghly Cochin Shipyard Limited  
Sateyn Bose Road, Danesh Shaikh Lane  
Nazirgunge,  
Howrah  
West Bengal-711109

**Scope work:**

The Cutting processes involve high pressure CNC Router cutting to cut Aluminium plates of grade 5083H116 or 5083H321 with thickness 3,4,5,6,8,12,20 and 32 mm of required dimension as specified in the Drawing / nesting plan issued by HCSL at the time of awarding the works. Nesting plan will be provided in .dxf format only. The scope of work includes fit up line marking, CNC Router cutting and naming parts as per the drawing.

**Quantum of work (approx) per vessel is given below:**

<b>Plate Thickness(mm)</b>	<b>No. of plates</b>	<b>Cutting length (m)</b>	<b>Fit up line Marking Length</b>
3	3	60.5	
4	11	417.4	
5	19	2339.7	
6	3	278.1	
8	1	141.9	
12	2	163.3	
20	1	131	
32	1	9.5	
Total (approx.)	41 Nos.	3541.4m	3600m

Note:

- 1) Above tabulated quantity (approx.) is for one (1) vessel.
- 2) Total number of vessels per this scope of work is 6 nos. Delivery is on staggered delivery for set of 2 vessels
- 3) Actual marking and cutting length will be provided after finalization of drawings/ along with work order.



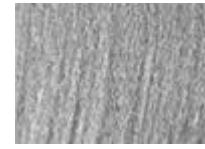
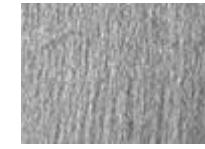

**Technical Requirements for Abrasive CNC router cut plates :**

1. The cutting bed size shall be able to cut Aluminium plates of length 9 mts by 2.5 mts.
2. Provision to handle the Aluminium full plates by soft clamping system , vacuum clamping system for loading the plate to cutting bed with suitable spreader beam , crane and unloading the finished cut plate from the skid without any scoring scratch on the Aluminium plates.
3. The cut edge shall not have visible pronounced lines / striations.
4. All cut pieces shall be marked as per the drg part nos. with permanent marker.
5. Dimensional Tolerances

<b>Sl No</b>	<b>Dimension</b>	<b>Tolerance (mm)</b>
(a)	Linear Accuracy	0-3000mm : +/- 1mm 3000-9000mm : +/- 2mm
(b)	Squareness (Diagonal Accuracy)	0-3000mm +/- 1.5mm 3000-9000mm : +/- 2.5mm
(c)	Max Cut Edge Taper	4 degrees

**6. Cut Surface Quality**

The quality of the cut surface shall be Q3 or Q4 cut quality. This which will be specified based on the type of joint at the time of work order.

				
Q1 : Separation Cut (Rough)	Q2 : Through Cut (Medium- Rough)	Q3 : Clean Cut (Medium)	Q4 : Good Finish (Medium- Fine)	Q5 : Excellent Finish (Fine)

The speed of the cut per meter and the cost involved per meter length of obtaining the quality of Cut for Q3 and Q4 to be specified for Aluminium of various thickness (4,5,6,8 and 10mm)

7. Top edge round off on square cut edge from the upper edge of cut surface should not be there and cut edge overhang at the bottom should be avoided.
8. Cut drag line and advance line projected on cut surface in the direction of cutting shall not be visibly seen on the cut surface.
9. For the perpendicularity or angularity not only the perpendicularity but also the flatness deviations shall be maintained
10. Scorings or kerves of irregular width, depth and shape in the direction of the cut thickness shall be avoided so as to have uniform cut surface.

11. Stacking of the cut plates after cutting shall be stacked after soft cushion provided on each surface to avoid cut edge scoring, scratching on to the adjacent plates during transportation.
12. There shall not be any visible depression, scoring marks on the Aluminium finished cut plate.
13. The scrap plate generated is to be returned back along with the cut consignment.

**Note:** Bidder should have to provide CNC Router cut sample pieces of 8mm thick Aluminium plate in Q3 and Q4 finish for technical evaluation.

### **1. SCOPE OF HCSL**

The following shall be the scope of HCSL :

- 3.1 Supply of detailed cutting and marking drawings/programmes
- 3.2 HCSL will provide Aluminium plates as per the size and quantity specified.
- 3.3 Quality assurance plan (QAP) and available welding procedure specification (WPS) shall be provided. QAP & WPS are HCSL property & contractor should not use this for any other purpose.
- 3.4 Arranging inspection by HCSL's QC team at bidders works.
- 3.5 Service of HCSL cranes, trailers and forklifts for loading of material and unloading of finished items inside HCSL premises.

### **2. QUANTUM OF WORK**

The quantum of work proposed for one vessel is approximately 4100 meters cutting length plus marking length extra. Total no. of vessels is 6 Nos. Actual marking and cutting length will be provided after finalization of drawings.

### **3. INSPECTION / TESTING / QA AND QC**

The complete work has to be carried out at bidders works under the inspection of bidder's internal QC team and shall be presented to HCSL's QC team for inspection before dispatching. After reaching HCSL at Howrah/West Bengal final accepting will be based the physical inspection and certificate verification by HCSL / Surveyor/ Owner.

- 1) HCSL will depute HCSL's QC team at periodical intervals for checking dimensional accuracies, quality of works, material traceability etc.

- 2) Contractor should maintain a material traceability records based on materials and cutting programmes issued by HCSL and shall be presented before HCSL QC team during inspection at bidders site.
- 3) Contractor to maintain the required dimensional accuracy and surface finish as per quality standards (to be provided by HCSL).
- 4) All cutting shall be carried out as per cut quality specified.
- 5) All test and Inspections shall be carried out as per approved Quality Plan.
- 6) All test including NDT, Radiography tests, shall be as per QAP.
- 7) All works shall be as per strict compliance to approved HCSL drawings/ QAP.
- 8) All inspection reports including internal QC reports as applicable shall be sent along with the delivery at HCSL. Final acceptance will be based on the verification of documents and physical inspection of supplied item by HCSL QC team/ Surveyor/ Owner.

**Annexure – IV**

Tender No. HCSL/OPS/SB/TEN/167/2023-24 dated 07.09.2023

**TECHNO COMMERCIAL CHECK LIST****(To be submitted by the bidder)****(Bidders may confirm acceptance of the Tender Conditions/deviations if any to be specified)**

SL No.	Tender Enquiry Requirements	Confirmation from bidder ( <u>strike off whichever is not applicable</u> )	Specific comments /Remarks
1	Scope of work as per Technical Specification/Drawings/ General Terms & conditions (Annexure III)	Agreed as per tender /Do not agree	
2	Submission of Information/Documents with offer	Submitted/Not submitted	
3	Offer Validity (date)	90days - Agreed as per tender/Do not agree	
4	Taxes & Duties	Specified/included in Price	
5	Payment terms - confirm		
a	100% Payment on pro-rata basis will be paid on within 30 days of successful completion of works	Agreed as per tender/Do not agree	
b	Any others (Specify details)		
6	Price shall remain firm and fixed and No Escalation in prices after awarding of contract	Agreed as per tender/Do not agree	
7	Security Deposit & Performance Guarantee Clause	Agreed as per tender/Do not agree	
8	Force Majeure	Agreed as per tender/Do not agree	
9	Liquidated damages and cancellation of contract	Agreed as per tender/Do not agree	
10	Arbitration & Jurisdiction clauses	Agreed as per tender/Do not agree	
11	Confirm all other terms and conditions of our enquiry are acceptable.	Confirmed/Not confirmed	
12	Confirm, un-priced price bid (price bid without price) is submitted with Part - I bid	Confirmed/Not confirmed	
13	Mode of submission of tender (Direct/Postal)		
14	Deviations from Tender conditions	No Deviations /Deviations are specified	

Signature:

Address of the Contractor

Seal:

## ANNEXURE- V

Tender No. HCSL/OPS/SB/TEN/167/2023-24 dated 07.09.2023

### PRICE BID FORMAT

S.No.	Plate Thickness (mm)	No. of plates	Approx. Cutting length / vessel in mtrs.  (A)	Preferred Cut finish	Unit Rate (Per meter rate)  (B)	Total (INR)  C= A *B
1	3	3	60.5	Q3		
2	4	11	417.4	Q3		
3	5	19	2339.7	Q3		
4	6	3	278.1	Q3		
5	8	1	141.9	Q3		
6	12	2	163.3	Q4		
7	20	1	131	Q4		
8	32	1	9.5	Q4		
9	Transportation Charges from and to HCSL per ton		11 Tons		..... (per Ton)	
Applicable GST						
Grant total per vessel						

Grand Total for six (6) vessels in words.....

**\*Note:**

- 1) Price basis : For Destination
- 2) Cut finish shall be Q3 and Q4 finish.
- 3) Unit rate is for running meter cutting length it includes fit up line marking length.
- 4) Scope of work includes fit up line marking also which approximately equal to cutting length.
- 5) L1 will be determined based on overall (Sl No. 1+2+...+9)
- 6) The rates quoted shall be inclusive of labor costs, consumables cost, transportation cost other than in HCSL's scope and the cost of all other activities for the satisfactory completion of marking, cutting and naming of part numbers as per the scope of work and drawings.

**Signature & Address  
Of the contractor :  
Seal:  
Date:**



**INDEMNITY BOND**

TO

HOOGHLY COCHIN SHIPYARD LTD  
(GOVT. OF INDIA ENTERPRISE)  
Sateyn Bose Road, Danesh Shaikh Lane  
Nazirgunge,  
Howrah  
West Bengal-711109

Gentlemen:

In accordance with the Conditions of Contract No. ....  
Date..... (Hereinafter called the Contract) for the supply/ work of...  
..... (Name of the item), M/s.....  
..... (Name and address of Contractor) (here in after called the Contractor) shall deposit with HOOGHLY COCHIN SHIPYARD LTD, HOWRAH, (here in after called 'HCSL') An Indemnity Bond to indemnify HCSL under the Contract for an amount of Rs..... (amount of Bond..... (in words), in consideration of HCSL effecting advance payment/ free issue of materials amounting to Rs ..... (in figures; (Rupees..... (1) words, being 15 % ( fifteen percent ) of contract value.

NOW THEREFORE we .....

..... (Name of the contractor) having registered office at .....  
..... (Address of the Registered Office) and acting through its branch office at ..... (Address of the executing branch if any), agree unconditionally and irrevocably to indemnify HCSL on its first demand without whatsoever right of objection on our part in the amount not exceeding Rs.....  
..... (Amount of Bond) Rupees.....  
only (in words)

We, the Contractor, further agree that no change or addition to or other modification of the terms of the Contract or of Works to be performed there under or of any of the Contract documents which may be made between H O O G H L Y C O C H I N S H I P Y A R D L T D, H O W R A H and us shall in any way release us from any liability under this Indemnity Bond, and we hereby waive notice of any such change, addition or modification.

The guarantee shall remain valid and in full effect from the date of the advance payment under the Contract until H O O G H L Y C O C H I N S H I P Y A R D L T D, H O W R A H receives full quantity from the Contractor under the said Contract

Notwithstanding anything contained herein:

1. Our liability under this Indemnity Bond shall not exceed  
Rs.....(Rupees.....  
.....only)

2. This Indemnity Bond shall be valid up to (date) and

3. We are liable to pay the amount of this Bond or any part thereof under this Bond only and only under the above terms if you serve upon us  
a written claim or demand on or before  
.....(date) .

Signature & Company's Common seal

Name of Contractor -----

Address -----

-----

Date-----

## SAMPLE NESTING

