



हुगली कोचीन शिपयार्ड लिमिटेड
(भारत सरकार का उद्यम)
HOOGHLY COCHIN SHIPYARD LIMITED
(A Govt. of India Enterprise)



NOTICE INVITING TENDER

Offers are invited on behalf of Hooghly Cochin Shipyard Limited (Hooghly CSL) from experienced vendors for the under mentioned supplies, so as to reach the undersigned on or before the scheduled tender period. Please refer Scope of Work, General Terms and Conditions and Special Terms as attached:

Details of the supplies:

Tender No.	HCSSL/OPS/SB/TEN/2026/127 dated 12.06.2026
Scope of work	Supply and pouring of POLYURETHANE FOAM in the Caisson Gate at CKSRU Kolkata (For detailed technical specification please refer Annexure 1).
Type of Tender	Two Bid (Open Tender, Price Bid, Password Protected)
Cost of tender form	NIL
Earnest Money Deposit (EMD)	NIL
Last date & time of receipt of tender	19.06.2026 at 16:00 Hrs.
Date & time of opening of technical bid	19.06.2026 at 16:30 Hrs.
Delivery Period / Tenure of contract	The items should be delivered within 15 days from the date of issuance of PO/LOI. And pouring to be completed within 7 days of intimation.
Officer - in - Charge	Name : Vijay Singh Designation : Manager (SC&C) Email : vijay.singh@hooghlycsl.com Phone No. : 8687069271
For Queries related to Technical/Scope of Supplies	For Technical: Name: Rakesh Sagar Designation: Manager (Design) Email: rakeshkr.sagar@hooghlycsl.com Mob. No. 95089 21575

Tender to be submitted by email only. Tender reference should be clearly indicated on the subject of the Mail. Tenders should be submitted in two separate files as **PART-I "TECHNO-COMMERCIAL" & PART-II "PRICE" (Password Protected) indicating** the tender number, due date of the tender in the Mail and addressed to The Assistant General Manager (Material), Hooghly Cochin Shipyard Limited, Nazirgunge Unit, Howrah.

For Hooghly Cochin Shipyard Limited

Signature and Seal of the Bidder(s)



Registered Office: Administrative Building, HCSSL Premises, Satyen Bose Road,
P.O. Danesh Shaikh Lane, Nazirgunge, Howrah, West Bengal - 711 109.

Shipyard: Nazirgunge Unit, Satyen Bose Road, P.O. Danesh SK Lane,
P.S. Sankraili, Howrah, West Bengal - 711109.

+91 (33)-2688 8282 contact@hooghlycsl.com www.hooghlycsl.com

+91 (33)-2955 8283

CIN : U35900WB2017GOI223197, GSTIN : 19AAECH3640L1ZD

Tender to be submitted by E-mail only. No hard copy quotation of the bid will be accepted.

The tender documents can be downloaded from Hooghly-CSL Website www.hooghlycsl.com, CSL website 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, 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 and awarding of contract will be done by M/s. Hooghly Cochin Shipyard Limited, Howrah, West Bengal.

For Hooghly Cochin Shipyard Limited

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Signature and Seal of the Bidder

Technical Specification

Annexure-1

SPECIAL INSTRUCTION TO BIDDER

1. MODE OF SUBMISSION OF TENDERS

Tenders should be submitted in two separate files as **PART-I"TECHNO-COMMERCIAL" & PART-II "PRICE" (Password Protected)** indicating the tender number, due date of the tender in the subject of the Mail and addressed to The Assistant General Manager (Materials).

2. TECHNO-COMMERCIAL PART SHOULD CONTAIN FOLLOWING DETAILS: -

- I. Specification & Technical Literature, if any.
- II. Other conditions, if any
 - a. Signed and stamped copy of Scope of supply & Technical Specification (Annexure-1&2)
 - b. Unquoted Price bid (Annexure-3)
 - c. Special Instruction to Bidder (Annexure-4)
 - d. General Terms and Conditions (Annexure-5)
 - e. Deviation List (Annexure-6), if any.
 - f. SD/Bank guarantee format. (Annexure-7)
 - g. Techno-commercial checklist and all other annexures

3. PRICE PART SHOULD CONTAIN FOLLOWING DETAILS: -

- a. Price against item.
- b. Taxes & duties as applicable shall be indicated.

Note:

- i. Modification or alteration of the price bid format attached is strictly prohibited. Otherwise Bid will be liable for rejection.
- ii. In case Price bid is placed inadvertently in the Techno-Commercial Part or in case Price bid is not password protected, Bid will be straightway rejected.

- 4. While submitting the bid, bidders are requested to note that the e-mail ID starting with following words may probable be treated as spam, not always necessary-info, support, admin, sales, customer support, helpdesk, mail, mailadmin, billing, hello, careers.**

Bidders are requested to submit the bid by e-mail (Price part password protected) only to both the following email address clearly mention the tender reference in the subject line for easy identification.

vijay.singh@hooghlycsl.com , rakeshkr.sagar@hooghlycsl.com

5. The Techno-commercial part alone will be opened initially on the due date and time of tender. The price part will be opened only after evaluation of the Techno commercial part. Bidders will be intimated the date of opening of the price part, whose techno- commercial bids are acceptable in due course. Password of price bid will require to be shared at the time of price bid opening.
6. Deviations, if any, in the offer submitted from that of the tender enquiry in any form, should be clearly furnished in a separate document titled as “List of Deviations”.
7. After submission of quotation / price bid opening, no unsolicited correspondence will be entertained.
8. Clarifications, either technical or commercial, should be submitted to points specially asked for only. The opportunity so given should not be used for correcting/changing amending the data/conditions already submitted with the tender.
9. Offers should be clear and unambiguous. Incomplete/ambiguous offers are likely to be rejected.
10. The bidder shall submit a signed & stamped copy of the tender document including Annexures and Enclosures along with their bid as token of acceptance of terms & Conditions.

Signature and Seal of the Bidder

GENERAL TERMS AND CONDITIONS

Sl No.	Description	Compliance by Supplier (YES/NO) In case of non-compliance, please provide remarks
1.	Tenderers are to carefully go through the terms and conditions and the technical specification of the items for which offers are called for. Tenderers have to adhere to above and supply full technical scope of items along with compliance of commercial conditions. Hooghly CSL have full right upon deviations, if any, including rejecting the partial scope/ complied offers.	
2.	Offers are to be free from overwriting. Corrections and additions, if any, must be attested. The offers shall be submitted only through email. Incomplete/ambiguous/conditional offers are likely to be rejected.	
3.	Bidders can contact Officer-in-charge of the work which is indicated in the Tender Notice for any clarification before submitting the offer. If clarifications/details are not obtained before the offer is submitted, no claim on this account will be admitted.	
4.	Technical checklist, if applicable and current general terms & conditions of enquiry duly filled and signed and technical specifications of items offered, should be submitted along with part-1 techno-commercial bid. Non receipt of the document may lead to rejection of offers.	
5.	<p>SPECIFICATIONS: -</p> <p>a) Manufacturer's name, their trade mark and brand, if any, should invariably be mentioned and illustrative leaflets giving technical particulars (technical details of items offered including technical literature) etc., should be attached to the offer. Spare/Tool required as per PTS to be included in scope along with cost.</p> <p>b) Materials offered shall conform to Hooghly CSL specifications.</p> <p>c) Material data sheet should be submitted along with the offer.</p> <p>d) Supplier should be confirmed the antiware property of the material.</p>	
6.	Packing materials should be eco-friendly.	
7.	Supplier should follow the statutory requirements of product offered.	

8.	Products supplied shall be nontoxic and harmless to health. In case of toxic materials, Materials Safety Data Sheet may be furnished along with the material.	
9.	Taxes and duties, if any, payable extra is to be indicated in the techno commercial part and price part.	
10.	<p>Delivery time required for supplies should be indicated in the offer (including time frame for manufacture, transportation, delivery etc.).</p> <p>Delivery Period:</p> <p>The items should be delivered within 15 days from the date of issuance of PO/LOI. And pouring to be completed within 7 days on intimation.</p> <p>Delivery period shall be clearly indicated in the technical bid. <u>Hooghly CSL reserves the full right to accept/reject any offer based on the delivery period</u></p> <p>Items to be delivered at following address:</p> <p>CSL-Kolkata Ship Repair Unit (CKSRU) 9 No, Netaji Subhas Dock, Garden Reach Road, Kolkata, West Bengal 700024</p>	
11.	<p><u>PAYMENT TERMS:</u></p> <p>I) Hooghly CSL payment terms is 100% payment with applicable taxes after - Material receipt and acceptance of items at CKSRU stores after inspection. - And completion of work and Nil liability certified by Project Officer.</p> <p>II) The invoice shall be compliant with GST Law. (ii) GST liability is to be discharged and ensure filing of outward supply details on GSTN portal within timeline prescribed. (Covered under GST Terms and Condition at (B)) (iii) Any debit note/supplementary invoice if any, is to be raised within September month following the respective financial year or filing of annual return by Hooghly CSL, whichever is earlier. (iv) Any loss of tax credit due to the reason attributable to supplier shall be recovered from supplier along with Applicable interest and penalty.</p> <p>III) Payment mode shall be Electronic Clearing System (ECS)/cheque /NEFT/ LC/CAD/TT-as mutually agreed in line with above standard payment terms. Variations from standard terms, if any, shall be appropriately loaded for tender comparison purposes for arriving the lowest bid.</p> <p>IV) Payment towards all on account bills shall be normally paid within 30 working days from the date of receipt of error free certified bill by the Officer of Hooghly CSL as far as possible</p>	

	V) Bidders to note that no advance payment will be made by Hooghly CSL against work order issued.	
	VI) The Prices offered should remain firm till the completion of delivery, in case the purchase order is placed with you.	
	VI) Delivery of material at Hooghly CSL store including freight & insurance charges.	
12.	<u>Earnest Money Deposit (EMD):</u> NIL	
13.	<p><u>a) Security Deposit:</u></p> <p>i) The successful bidder shall remit a security deposit of 3% of the total order value (excluding taxes, duties etc.) in the form of demand draft drawn in favor of Hooghly Cochin Shipyard Ltd. towards the satisfactory performance of the contract, if an order is placed on them. Alternatively, a Bank Guarantee equivalent to above % of the total order value (excluding taxes, duties) as per Hooghly CSL format from Scheduled Indian bank for Indian supplier can be submitted, if an order is placed towards satisfactory performance of the contract.</p> <p>ii) The Bank Guarantee /DD as above should be valid till 90 days after completion of supplies in terms of SD.</p> <p>(iii) Fixed Deposit Receipt (for equivalent amount of Security Deposit/BG required as per tender) in lieu of bank guarantee is also acceptable. Fixed Deposit Receipt shall be in the name of supplier with lien marked in favour of Hooghly Cochin Shipyard Limited, Kolkata.</p> <p>b) SD to be submitted within 2 weeks of receipt of order from yard.</p> <p>c) Format of bank guarantee along with enquiry to be agreed.</p> <p>d) The above SD is required or applicable only when the total order value (excluding taxes and duties) is Rs.20 lakhs and above.</p> <p>e) If the bidder is not agreeable to submission of SD as per Hooghly CSL general terms and conditions of enquiry, Hooghly CSL reserves the right to reject the offer at our discretion or 3% of total order value (excluding taxes and duties) will be added to the quoted price for tender comparison/ evaluation purpose on case-to-case basis for arriving the lowest bid.</p>	
14.	Risk Purchase: If the supplier fails to supply the items ordered in good quality as per contract specification and fails to deliver within the delivery date or violate any of the terms and conditions of the purchase order, Hooghly CSL	

	shall have the following rights.	
	a. To cancel the order partially or full with 15 days' notice and to forfeit the security deposit, if any.	
	b. To impose tender holiday for the vendor for an appropriate period as decided by Hooghly CSL.	
	c. To initiate alternate procurement action at the risk and cost of the supplier. This clause is applicable only in the case of total order/ contract value (excluding taxes and duties) is Rs.20 lakhs and above (or equivalent foreign currency). Cases of value less than 20 lakhs will be addressed by serving appropriate caution/ warning notice to the firm.	
15.	<p><u>Liquidated Damage:</u></p> <p>In case of delay in supply of ordered materials beyond the stipulated delivery period, which is not attributable to Hooghly CSL, supplier is to pay Liquidated Damages (and not by way of penalty) a sum equivalent to ½% (half percent) per week or part of the week of the total basic price of delayed material, subject to a maximum of 10% of the total basic price of delayed material (Total basic price is the order value excluding freight, taxes, other charges etc.).</p> <p>However, LD applicability is without prejudice to Hooghly CSL right to terminate contract for delayed delivery or other actions as per clause above.</p>	
16.	<p><u>Warranty/Guarantee:</u></p> <p>a) The consumables so supplied shall be guaranteed for rated performance for a period of at least 18 months from the date of delivery of the materials.</p> <p>b) Furthermore, replaced items shall be guaranteed for 18 months from date of replacement.</p> <p>Replacements during guarantee period to be sent on Duty and all taxes paid basis to location as required by yard/vessel owner with all expenses to supplier account. Or Product Self life certificate and batch certificate can be submitted along with supply.</p>	
17.	<p><u>Jurisdiction:</u></p> <p>All questions, disputes or difference arising under, out of, or in connection with contracts shall be subject to the exclusive jurisdiction of the Courts at Kolkata, West Bengal, India. Alternate dispute resolution mechanism can also be considered.</p>	

18.	<p><u>Arbitration:</u></p> <p>(a) Any disputes arising during the period of the contract shall, in the first instance be settled by mutual discussions and negotiations.</p> <p>(b) If any dispute, disagreement or question arising out of or relating to or in consequence of the contract, or to its fulfilment, 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 arbitrator 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. 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.</p> <p>(c) Seat & Venue of Arbitration: The seat & venue of arbitration shall be at Kolkata.</p> <p>(d) Language of Arbitration: The Language of arbitration shall be English. Governing Law: The contract shall be governed by Indian Law.</p> <p>(e) In case of disputes, the same will be subjected to the jurisdiction of courts at Kolkata, West Bengal</p>	
19.	<p><u>Force Majeure condition:</u></p> <p>Should failure in performance of the contract or part thereof arise from war insurrection, restraint imposed by Government, Act of Legislature or other Statutory Authority or illegal strike, riot, legal lock-out, flood, fire, explosion, act of God or any inevitable or unforeseen event beyond human control which may be construed as reasonable ground for an extension of time, Hooghly CSL may allow such additional time as is mutually agreed, to be justified by the circumstances of the case.</p> <p>The occurrence/cessation of force majeure situation is to be informed with documentary evidence within 15 days from the date of occurrence/ cessation.</p>	

20.	Clarifications, either technical or commercial, should be submitted to points specially asked for only. The opportunity so given should not be used for correcting/changing/amending the data/conditions already submitted with the tender	
21.	<p>PRICING: All applicable taxes, duties if any etc should be included in the rate quoted, unless specified otherwise. Hooghly CSL reserves the right for the deduction of taxes and duties as applicable from the bill or invoice.</p> <p>Bidder should quote prices for delivery of materials at Hooghly CSL store.</p> <p>Address: CSL-Kolkata Ship Repair Unit (CKSRU) 9 No, Netaji Subhas Dock, Garden Reach Road, Kolkata, West Bengal 700024</p> <p>Insurance for transit shall be arranged by the vendor.</p>	
	Firm shall quote in INR only	
	Comparison of prices will be in INR only	
22.	<p>Validity: a. Prices should be valid for acceptance for a period of Four months from the date of tender opening.</p> <p>b. No enhancement of rate for whatsoever cause will 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 within the stipulated delivery period, will entail cancellation of the order and forfeiture of Earnest Money Deposit/Security deposit, if any and/or risk purchase, without prejudice to other penal actions, including tender holiday after serving show cause notices, as deemed fit.</p>	
23.	Conditional discounts, if any, will not be reckoned for tender evaluation/ comparison purpose. However, if the bidder becomes L1 at original offer, conditional discount shall also be considered.	
24.	Unpriced bid (price bid without price) duly signed is to be submitted along with techno-commercial offer in the price format, provided. Price should be quoted separately for each item shown in the format. In the event price bid is different from the unpriced format already submitted, yard reserves the right to reject the offer at our discretion without any further discussions. Details of optional items, if any, should be indicated under separate heading in the Techno commercial bid and the respective price details should also be given in the price bid. Combining of figures against more than one item and ambiguous clauses will lead to rejection of the bid.	

25.	If, in the price structure quoted for the required material/ item, there is discrepancy between the unit price and the total price (which is obtained by multiplying the unit price by the quantity), the unit price shall prevail and the total price corrected accordingly. If there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected. If there is a discrepancy between words and figures, amount in words of respective figures shall prevail. If the bidder does not agree to the observation of the Hooghly CSL, the tender is liable to be rejected and the same shall be intimated.	
26.	After submission of quotation/price offer no unsolicited correspondence will be entertained.	
27.	Hooghly Cochin Shipyard Limited does not bind itself to accept the lowest or any tender but reserves to itself the right to reject any or all or a part of any tender at its discretion.	
28.	L1 Bidder will be evaluated based on individual cost of the item excluding GST.	
29.	<p>SUB CONTRACTING AND ASSIGNMENT</p> <p>Supplier shall not contract with any subcontractor and/or vendor without the prior written consent of Hooghly CSL. Such consent shall not relieve the Supplier from any of his responsibilities and liabilities under the Purchase Order. In addition, Supplier 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.</p>	
30.	<p>General:</p> <p>a. Prior to price bid opening, Hooghly CSL is at liberty to take the credit rating of bidders at our cost on case-to-case basis, and to include the same during the evaluation of the tender.</p> <p>b. Deviations, if any in the techno-commercial offer from that of the tender enquiry in any form should be clearly furnished in a separate document titled as “List of Deviations”, failing which it will be presumed that all the terms and conditions are acceptable.</p> <p>c. The techno-commercial part alone will be opened initially on the due date of tender. The price part will be opened only after evaluation of the Techno commercial part. Date of opening of the price part will be intimated to those firms whose Techno- commercial bids would be acceptable after the evaluation.</p> <p>Suppliers are allowed to depute their authorized representative to be present at the time of opening of Price Bid of their tender only.</p>	

31.	Purchase Order: - a. In the event supplier's offer leads to an agreement to effect supplies, a formal purchase order shall be issued by Hooghly CSL on the basis of agreed terms and conditions of tender.	
	b. Upon placement of order (by post or mail) the supplier shall submit the acknowledgement (i.e., signed and stamped original/ scanned soft copy by mail) as a token of acceptance of order within 7 days. In case Hooghly CSL doesn't receive the above, it will be deemed as accepted.	
32.	INSPECTION: - a) Hooghly CSL reserve the right to inspect the goods after receipt at Hooghly CSL store / prior to dispatch (by Hooghly CSL or Hooghly CSL authorized agency at yard cost). Short supply / Mismatch / Replacement of Defective items / those not meeting agreed / contractual specification/ Items failing during commissioning shall be sent on courier freight prepaid/delivered at Hooghly CSL store.	
	b) Replacements during guarantee period to be sent on Duty and all taxes paid basis to location as required by yard/vessel owner with all expenses to supplier account.	
	c) Defective items, if any, after receipt shall be sent back on cost, carriage, handling and insurance prepaid basis including re-export (wherever desired by supplier) to be arranged by supplier. Defective items shall be returned after receipt of replacement item. Supplier, shall replace all/ part of items as applicable, in case of rejection, within 01(one) week of reporting the defect, without any additional cost to Hooghly CSL. In case the defective materials are not taken back within the said period, Hooghly CSL reserves the right to dispose the same without further intimation.	
	d) The supplier shall compensate Hooghly CSL for loss on account of shortage in quantity and number of pieces received than that indicated in the bill of landing provided the Hooghly CSL's claim is rejected by the insurance due to any fault of supplier. Such claims, if any, shall be supported by recognized surveyors report. The supplier shall also compensate for losses, if any sustained by the Hooghly CSL due to defective packing and/or marking of the goods not in accordance with the terms of contract. The time limits for filing claims under clauses above shall be generally 180 days from the date of complete discharge of goods.	
33.	Hooghly CSL reserves the right to alter, modify the scope of supply at its discretion and in consistent with the policy of the Government of India and statutory bodies under them as applicable to the contract from time to time.	

34.	Hooghly CSL reserves the right to commercially reject the offer if compliance is not issued to General terms and conditions without any further clarification / notice / communication in this regard from M/s. Hooghly Cochin Shipyard Ltd., even though the offer is technically acceptable.	
35.	<p><u>Goods & Service Tax:</u></p> <p>(a) Please note the Hooghly CSL GST registered number as 19AAECH3640L1ZD. GST registration is prerequisite for entering into the business with Hooghly CSL. Your firms GST registration shall be indicated. Offers received from GST unregistered suppliers / service providers are liable for rejection.</p> <p>(b) Indicate the applicable rate of GST for services in line with GOI published rate scheduled for services along with SAC.</p> <p>(c) Tax inclusive invoices from the registered service providers are not acceptable. Any corrections / rectifications in the invoice shall be made good through Debit note / Credit note.</p> <p>(d) Bidders are advised to check applicable GST on their own before quoting. Buyer will not take any responsibility in this regard. GST reimbursement will be as per actuals or as per applicable rates (whichever is lower), subject to the maximum of quoted GST %.</p>	
36.	<p><u>Input Tax Credit:</u></p> <p>(a) Bidders shall ensure timely delivery of services and submit the tax invoices to Hooghly CSL as per the GST law. In case, GST input tax credit is delayed / denied to Hooghly CSL due to non / delayed receipt of services and / or tax invoice or expiry of timeline prescribed in GST law for availing such ITC, or owing to the bidder not paying the taxes to the Government within prescribed time as per the law or any other reasons not attributable to Hooghly CSL and solely attributable to the bidder, the GST amount charged to Hooghly CSL, shall be recoverable from the bidder along with interest levied / liveable and any other penalties on Hooghly CSL and the vendor shall indemnify against all costs to Hooghly CSL, and consequences therefrom.</p> <p>(b) In case bidder delays declaring particulars in respect of any invoice in the GST return required to be filed by such bidder, and GST credit availed by Hooghly CSL is denied or reversed subsequently as per GST law, GST amount paid by Hooghly CSL towards such ITC reversal as per GST law shall be recoverable from vendor / bidder along with interest levied / leviable on Hooghly CSL and any other penalties on Hooghly CSL and the bidder shall hold Hooghly CSL indemnified against all cost and consequences their form.</p> <p>(c) Bidders shall submit the invoices as per the provisions of GST law. The bidder's invoice shall contain the HSN code / SAC and GSTIN number of the bidder and Hooghly CSL as well along with other particulars. The GST charged (IGST / CGST + SGST / UTGST) shall be clearly indicated in the</p>	

	<p>invoice.</p> <p>(d) In case any credit, refund or other benefit is denied or delayed to Hooghly CSL due to any non-compliance of GST legislation such as failure to pay GST to the government (includes late filing of GST return) or due to non-furnishing or furnishing of incorrect or incomplete documents/ information by the bidder or service provider, the bidder or service provider would reimburse the loss to Hooghly CSL or Hooghly CSL may recover the same, but not limited to, the tax loss, interest and penalty. The Bidders should submit the copy of Latest GST Return filed statement/ form in GSTR-3B.</p>	
37.	<p>MSEs, Startups and Make in India:</p> <p>Local Suppliers (Make in India), MSE firms and Start-ups will be eligible for various Relaxation in pre-qualification criteria and other Benefits as per orders promulgated by Government of India. Bidders are advised to refer the details of various Benefits and Relaxations in pre-qualification criteria as published at CSL website (www.cochinshipyard.com) under the Tenders tab.</p>	

Specify Yes / No

GENERAL TERMS & CONDITIONS

- 1) The contractor must have a dedicated site-in charge/ supervisor to execute work, with a minimum experience of 3 yrs. in similar works.
- 2) The service provider shall have to engage men on round the clock basis and also on Sundays and holidays, and no extra charges will be paid by HCSL for such requirements arising during critical phases of the project. Service has to be completed to the satisfaction of HCSL officer in-charge
- 3) Work will be undertaken and inspected as per the quality standards provided by HCSL, and approved by CLASS and Owner of the vessels.
- 4) The work will be undertaken by only qualified welders of the contractor. Towards this, HCSL will provide the WPS and PQR. Welders will have to be qualified by Class by HCSL. The subcontractor must pay for the welder qualification, testing and certification charges to HCSL on actuals. The contractor must retain the qualified welders till the completion of the project.
- 5) The contractor shall arrange to collect and clean up every day all waste, scraps, debris, etc. generated by the work men while working onboard the vessel and other locations and dispose the same suitably at his cost to the full satisfaction of HCSL. In case any failure on his part to comply with this requirement, HCSL will arrange the required cleaning entirely at the contractor's cost.
- 6) Assistant General Manager (P&P) or his authorized representative will be the Officer-in-charge of this Contract.
- 7) 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.
- 8) 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.
- 9) Any particulars/literature/information/certificates required by the Shipyard in connection with the work is to be forwarded free of cost.
- 10) All correspondence with the Shipyard to be in English language. All documents and plans to be in English language and in metric units.
- 11) Providing all personnel protective items like safety helmets, gloves, welding shields, goggles, leg guards, safety belts, boiler suit, safety shoes etc. to their employees.
- 12) Quality of services shall conform to the specification/ standards laid down by HCSL.

- 13) HCSL has the right to deduct any charges towards taxes and statutory deductions,
- 14) Compliance of all statutory safety requirements and other safety rules stipulated by HCSL and other applicable statutory bodies shall be the responsibility of the Agency while working at HCSL premises. The Agency should ensure that their workmen and staff are adequately covered under Insurance.
- 15) The service provider shall also be governed by the General Conditions of Contract of HCSL, General Safety Rules and other relevant labour laws.

16) LABOUR LAW & REGULATIONS

(Time to time amendments by Govt. to be strictly followed)

16.1 The contractor shall undertake and execute the work with contract labour only after taking license from the appropriate authority under the contract labour (regulation & abolition) act 1970.

16.2 The contractor shall observe and comply with the provisions of all labour and industrial laws and enactments and shall comply with and implement the provisions of the factories act, 1948, employees' provident funds at miscellaneous provisions act, 1952, employees state insurance act, payment of gratuity act, minimum wages act, payment of bonus act, contract labour (regulation and abolition) act and all other enactments as are applicable to his and his workmen employed by him. The contractor shall inform HCSL his license number prim the Central Labour Commissioner.

16.3 All contract workmen, except those exempted under the respective acts, shall necessarily be insured under the ESI scheme and be made members of the EPF scheme from the day of their engagement as contract workmen in the company. All such insured contract workmen should carry with them their ESI identity card for verification by the authorities. No contract workmen without a valid ESI identity card for verification by the authorities will be permitted to work in the company.

16.4 The Contractor shall submit the labour reports/ returns as required by the company from time to time in respect of their workmen in standard format to the concerned contracting officer so as to enable the same to reach personnel department by the 5th of every month. Delayed submission of the same shall attract penal interest /damages at the rate as levied by the respective authorities under the relevant Acts.

16.5 The Contractor shall maintain the records viz. muster roll, acquittance roll with full details, account books etc., in original. These are required for inspection by the concerned authorities under each scheme.

16.6 If the Contractor fails to pay any contributions, charges or other amounts payable under any of the aforementioned provisions of law, HCSL shall deduct or adjust amounts equivalent to such contribution, charges or amounts from amount payable to him by HCSL, including any deposit or amounts payable against bills and make payments on his account to the appropriate authority. He shall not be entitled to question or challenge such deductions, adjustments or payment made by HCSL.

16.7 Any other amount payable under any law or in respect of any person employed by the Contractor, if not paid by him, shall be deducted or adjusted by HCSL out of any amount payable to the Contractor including any Security Receipt and paid ever or withheld for payment by HCSL.

16.8 The Contractor shall be fully responsible for the conduct and discipline of the workmen employed by him in the Company premises. If such workmen commit any misconduct or criminal act inside the Company, the Contractor shall take appropriate action against such workmen. The contractor shall abide by the instructions/ guidelines issued by the Company for maintenance of discipline and good conduct among the workmen employed by him.

16.9 All person who are engaged for various works in HCSL either directly or through contractors, should produce the following documents prior to issuing their entry passes:

Aadhar/attested copy of Aadhar with photo and address particulars. **OR**

Police clearance certificate with photo and address particulars. (Police clearance certificate to the effect that the concerned person is staying in the area of jurisdiction of the certificate issuing police station and that the person is not involved in any criminal offences as per the records available therein.)

16.10 Application and declaration for enrolling under employees provident fund and ESI Scheme.

16.11 Contractors are requested to familiarize themselves with the labour rules & regulations prevailing in HCSL including the labour wage pattern of contract labours.

17) SAFETY OF PERSONNEL AND FIRST AID

17.1. The contractor shall be entirely responsible for the safety of all the personnel employed by him on the work. In this regard, he may adopt all the required safety measures and strictly comply with the safety regulations in force. Detailed information and references available with HSE department of HCSL.

17.2. The Contractor may arrange to suitably insure all his workmen/ other personnel in this regard. HCSL will not be responsible for any injury or illness to the Contractor's workmen/other personnel during execution of the works due to whatsoever reasons.

17.3. In this regard, the Contractor will have to fully indemnify HCSL against any claims made by his workmen/other personnel.

17.4. The Contractor shall provide and maintain so as to be readily accessible during all working hours, a first aid box with prescribed contents at every place where he employs contract labour for executing the works.

18) STATUTORY CONDITIONS AND LABOR LAWS

18.1. The firm must comply with statutory requirements, like ESI/EPF etc., and other labor laws/regulations in force and as amended from time to time.

18.2. Under no circumstances HCSL will be responsible for any statutory compliance related to Labor, Central/State Government if any.

18.3. The contractor shall provide the minimum wage rate of the Central Government & submit the bank statement of wage payment along with the bill.

19) MODIFICATION / REWORK

Modification/ rework charges of the applicable rate will be payable in case of changes/modification at the behest of Owner/due to changes in drawing in units already fabricated and certified. However, this will have to be done under written instruction from HCSL& separately to be mentioned in WDC. Any rework arising out of defective workmanship will be in the contractor scope.

20) GROWTH OF WORK:

HCSL shall be at liberty to place additional work to the extent of contract value at the same rate, terms and conditions of the contract within contractual period and bidder shall have to honor it. Such additional work shall be entrusted to the contractor through a separate Order to that effect or through an amendment to the Order. In any case, the contractor should not undertake any (additional) work beyond the Contractual period without prior intimation by the Officer in charge. This additional work is considered beyond the total order quantity.

For Hooghly Cochin Shipyard

Price Bid Format

Supply and pouring of POLYURETHANE FOAM in the CAISSON GATE at CKSRU, Kolkata. Tender ref. HCSL/OPS/SB/TEN/2026/127 dated 12.06.2026					
SL. NO.	DESCRIPTION	UOM	Qty. Req. (UoM) (A)	Unit Price (B)	Total Price (C) = (A) x (B)
1	Supply of Polyurethane Foam for the Caisson Gate at CKSRU as per PTS: Material Cost. (Two Tanks: Volume of Each Tank 20.2 m3)	LS	1		
2	Pouring of Polyurethane Foam in the Caisson Gate at CKSRU as per PTS : Service Cost	LS	1		
Total Amount without GST (INR)					
Total GST Amount (INR)					
Total Amount Including GST (INR)					
Total Amount Including GST (IN WORDS)					

NOTE: Price Bid Instructions

1. Supplier has to be certified dealer for subject item, necessary docs to be submitted.
2. Vendors to indicate delivery schedule.
3. L1 will be determined on Total Amount Without GST value as per price bid.
4. Quoted rate should be FOR CKSRU stores basis inclusive of all charges considering entire Scope of Work, accessories, packing, transportation & delivery Charges, if any.
5. The quoted price will be valid for a period of 3 (three) months.
6. Rate agreed upon as per quotation shall remain firm and fixed till conclusion of contract.
7. 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, unit 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
8. Bidder has to submit the price bid as mentioned in the format only, otherwise bid will be rejected.

Note: “Unpriced Bid” to be submitted along with techno commercial bid with details like percentage of taxes and duties applicable and details like quoted/Nil/included/ by Hooghly CSL to be mentioned for each line item.

Signature and Seal of the Bidder

COMPLIANCE STATEMENT- SPECIAL INSTRUCTIONS FOR TENDERERS AND TECHNICAL SPECIFICATION		PAGE 1 OF 1
Tender Name: Supply and pouring of POLYURETHANE FOAM in the Caisson Gate at CKSRU Kolkata.		
TENDER NO: HCSL/OPS/SB/TEN/2026/127 dated 12.06.2026		
We hereby confirm and truly declare that our Offer / Bid No.datedis in full compliance with the documents issued against the Tender No. -----dated -----, except for the deviations listed below:		
<u>LIST OF DEVIATIONS (Hooghly CSL reserves the right to reject offers with deviations)</u>		
Sl. No.	Tender Reference & Description	Reasons for Deviation/Remarks
Name of tenderer:		
Date:	Name & Designation	Seal & Signature
		(Company Seal)

.....

TECHNO-COMMERCIAL CHECK LIST				
Supply and pouring of POLYURETHANE FOAM in the Caisson Gate at CKSRU Kolkata. Tender No: HCSSL/OPS/SB/TEN/2026/127 dated 12.06.2026				
Sl. No.	DESCRIPTION	COMPLIANCE		REMARKS
		YES	NO	
1.	Submission of Tender in two (2) parts – Techno-commercial & Price (Password protected)			
2.	Delivery Schedule as per yards schedule			
3.	Validity of offer – Three (3) months			
4.	Payment Terms			
6.	The Prices offered should remain firm till the completion of contract, in case the purchase order is placed with you.			
7.	A copy of price offer without price to be included in the techno- commercial offer. Please confirm			
8.	Have you considered Taxes, duties, levies, packing & forwarding etc., if any, in the offer.			
9.	L.D. payable as per relevant Clause in the General terms of enquiry.			
10.	Disputes in connection with contract subject to jurisdiction of courts at Kolkata India.			
11.	Termination of contract/Risk purchase as per relevant clause in the General terms of enquiry.			
12.	Self-attested copy of PAN Card, GST, ESI, EPF and MSME/NSIC registration certificate.			
13.	Security deposit / bank guarantee of 3% of total order value to be submitted			
14.	Confirm all other terms and conditions of enquiry are acceptable.			
15.	Vendor and NEFT details to be submitted as per Annexures			
16.	List of Deviations to be submitted as per Annexure 10			
17.	Duly filled (as applicable) Signed and stamped copy of Annexures			
18.	Bidder to submit proposed crane model details and supporting documents.			

Vendor details (to be submitted along with TECHNICAL BID)

1	Name of Bidder/Firm	
2	Registered office Address of Company/firm in Kolkata/Howrah: Local office address at Kolkata/Howrah (if held):	
3	Telephone No./Fax No./Mobile No	
4	E-mail address:	
5	Names of the contact person & Designation: (of person in connection with this tender) :	1) 2) 3)
6	Type of Entity-Pro praetorship/Partnership firm/company/NSIC/MSE Category etc. (Please attach registration certificate of Firm/Partnership agreement/proprietorship documents)	
7	Cost of Tender Details (DD No. Name of Bank)	
8	EMD Details (DD No. Name of Bank)	
9	PAN Card Number (Self-attested copy of PAN card has to be Submitted)	
	GST Registration No. (Self-attested copy has to be Submitted)	
10	Whether the agency has been blacklisted/debarred or given tender holiday or contract terminated before expiry of the contract period by any govt. autonomous bodies/organizations where bidder has provided services earlier due to deficiencies in service or misconduct etc.	Yes/No (Please tick as applicable) If yes, please furnish details on a separate sheet

Certified that the above information is true to the best of our belief and information.

Place:

Date:

Signature of Supplier/Authorized signature of firm/agency:

Name of Supplier or authorized signatory of firm/agency:

Designation:

POWER OF ATTORNEY

(On Applicant's Letter head)

(Date and Reference)

To

The Assistant General Manager

Hooghly Cochin Shipyard Limited

Nazirgunge, Howrah-711109, West
Bengal.

Subject: Power of Attorney

Mr. / Mrs. / Ms..... (Name of the Person(s), domiciled
at

..... (Address),

acting as..... (Designation and name of the company), and whose
signature is attested below, is hereby appointed as the Authorized Representative and authorized
on behalf of (Name of the
company) to provide information and respond to **enquiries etc.** as may be required by the Employer for
the project of (Project title) and is hereby
further authorized to sign and file relevant documents in respect of the above.

(Attested signature of Mr. _____).

For.....

(Name & designation)

(Company Seal)

**Bank guarantee in lieu of security deposit/
Warranty guarantee**

To
HOOGHLY COCHIN SHIPYARD LTD
(Govt. of India Enterprise)
Satyen Bose Road,
Danesh SK Lane (PO),
Nazirgunge, Howrah,
West Bengal - 711109.

WHEREAS (Name & Address of Supplier) (hereinafter called " **the Supplier**") 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 **HOOGHLY COCHIN SHIPYARD LTD** (The Buyer – hereinafter called "**HCSL**") in the said contract that the Supplier shall furnish **HCSL** with a Bank Guarantee for the sum specified therein as security for compliance with the Supplier's obligations in accordance with the Contract.

AND WHEREAS we have agreed to give the Supplier such a Bank Guarantee.

NOWTHEREFORE 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 **HCSL**, on behalf of the Supplier upto a total of.....(amount of Guarantee) in words).

We, the bank, hereby irrevocably undertake to pay you any amount not exceeding in total the Guarantee Amount upon receipt by us of your demand in writing accompanied by the following documents:

1. Your signed statement certifying that the Supplier is in breach of his obligation(s) under the Contract and the respect in which the Supplier is in breach.
2. Your signed statement certifying that the Supplier has been given a prior written notice by email from you to make good the aforesaid breach and that the Supplier still failed to fulfill the Contract within 30 days of such notice. A copy of such notice given by email to the Supplier shall be attached to the demand for payment.

Any demand for payment should contain your authorized signatures which must be authorized by your bankers or by a notary public.

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 **HCSL** and the Supplier shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification. We, the Bank, further agree that any change in the constitution of the said contractor or the said bank shall not discharge our liability hereunder.

Notwithstanding anything contained herein:

1. Our liability under this Bank Guarantee shall not exceed(only).
2. This Bank Guarantee shall be valid upto (date) and
3. We are liable to pay the guaranteed amount or any part thereof under this bank guarantee only and only if **HCSL** serve upon us a written claim or demand on or before.....(validity date).

Any demand for payment under this guarantee must be received by us at this office during working hours on or before the validity date. Should we receive no claim from you by the validity date, our liability to you will cease and the guarantee will definitely become null and void whether returned to us or not.

Yours truly,

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

Name of Bank:.....

Address:.....Date:.....

^[1]An amount shall be inserted by the Guarantor, representing the percentage of the Contract Price specified in the Contract and denominated in respective Dollars / Indian Rupees/Other Currency.

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

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 HCSL or by any of the Public Sector Undertaking or Government department etc.

2. If HCSL finds that, we have been blacklisted/ debarred by any of the Public Sector Undertaking or Government department, and then HCSL 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 HCSL. Further we are confirming herewith that, any loss that has happened to HCSL 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:

Form of Legal Case (Sample Format)

Details of legal cases pending against the firm for the last five years

SL. NO.	ORGANISATION AGAINST WHOM THE LITIGATION IS INVOLVED	BRIEF DETAILS OF DISPUTE	AMOUNTS INVOLVED (Rs.)	PRESENT STATUS	Remarks

- If no Cases pending please mention as "NIL" and submit the above form.

SIGNATURE OF BIDDER

Rev. No.	Pages	Description	Date	Sign.
0	06	FIRST ISSUE	06-05-2026	Rakesh



**HOOGHLY COCHIN SHIPYARD LIMITED
HOWRAH - 711 109**

YARD NO	00324003	PROJECT: BOX CAISSON GATE
OWNER	Cochin Shipyard Limited Kolkata Ship Repair Unit (CKSRU)	PURCHASE TECHNICAL SPECIFICATION FOR SUPPLY AND POURING OF FOAM
APPROVED	Sreejith K	
CHECKED	Arun Dash	
PREPARED	Rakesh Sagar	
DATE	06-05-2026	Document No: - PTS-00324001-005
ISSUED TO	NO DEP .	
	NO DEP .	

This document/specification is the property of Hooghly Cochin Shipyard Limited, and it must not be copied or the contents thereof or any information received in conjunction therewith must not be imparted /shared to any third party or utilized for any other purpose. The receipt of the document/specification implies that the conditions as mentioned herein are accepted.

Table of Contents

1 GENERAL SPECIFICATIONS 1
2 TECHNICAL SPECIFICATIONS 5

SECTION A – GENERAL SPECIFICATIONS

1. SCOPE OF SUPPLY:

This document indents to supply and pouring of POLYURETHANE FOAM in the CAISSON GATE The accessories required for supply and pouring of FOAM also to be included in the scope of supply.

The scope shall include all materials, labour, equipment, accessories, supervision, testing, and documentation required for complete and satisfactory execution of the work.

The vendor shall ensure proper filling of foam within the designated tanks/voids without causing structural deformation or damage to the Caisson Gate structure, seals, or fittings.

All accessories, consumables, tools, sealing arrangements, and temporary arrangements required for foam pouring/injection shall be included in the vendor's scope of supply.

2. ACCESSORIES AND EQUIPMENT

The supplier shall provide all necessary equipment for pouring by injection Method (Injection machine / foam dispensing unit, Mixing and dispensing hoses, Injection nozzles, ext).

All equipment shall be suitable for marine industrial application.

3. QUALITY CONTROL TESTS

The following tests shall be carried out:

- Density verification (core sample test)
- Compressive strength test
- Closed cell content test
- Adhesion test to steel surface
- Visual inspection for voids or incomplete filling

The Yard/Owner representative shall have the right to witness testing.

4. SUPPLY OF DOCUMENTS

All documents shall be in English and in Metric system and the following documents shall be submitted, where applicable.

- A) Documents to be submitted along with offer:
 - a) Foam Specification, density, weight, composition/Grade of material.
 - b) List of items if any, not covered in supplier's scope of supply.
 - c) One soft copy of technical offer to be send as an attachment.

- B) Documents to be submitted within 01 week after placement of Order/LOI/As per final agreement
 - a) Foam Specification, density, weight, composition/Grade of material. (For Yard Approval).

- C) Documents to be submitted along with delivery/After filling of Foam inside Caisson Gate:
 - a) Manufacturers Test certificate (4 copies with original)
 - b) Packing list (with reference to each item of Bill of Materials)
 - c) Test report for confirming the specification.
 - d) As-built filling record
 - e) Warranty certificate

5. PLACE OF DELIVERY

Cochin Shipyard Limited Kolkata Ship Repair Unit (CKSRU), Gate no 9, Syama Prasad Mookerjee Port, Kolkata, WestBengal

NOTE: *Notwithstanding any omission in this specification, all items/features required as per class rules/statutory regulations, safe working and good ship building practice shall be included in the offer by the bidder.*

SECTION B – TECHNICAL SPECIFICATIONS

1. TYPE OF FOAM -

- Material: Polyurethane (PU) Water Resistant Foam.
- Type: Closed Cell.
- Density 32 – 35 kg/m³ after mixing and pouring.
- Application: Marine Buoyancy / Flotation Grade.
- Installation Method: Injection / Pouring.

The foam shall be of service life (approx. 20~25 Years) of the Caisson Gate.

The foam shall be resistant to Seawater, Marine biological growth.

The foam shall not degrade, dissolve under marine environmental conditions.

2. APPLICATION METHOD

The PU foam shall be applied using controlled injection/Manual pouring method to ensure:

- Uniform filling of void spaces
- No internal cavities or voids
- Controlled expansion pressure
- Proper adhesion to steel surfaces
- Structural safety of the Caisson Gate

The supplier shall ensure staged filling where required to prevent excessive pressure buildup.

Maximum internal pressure during expansion shall not exceed safe structural limits of the tank structure.

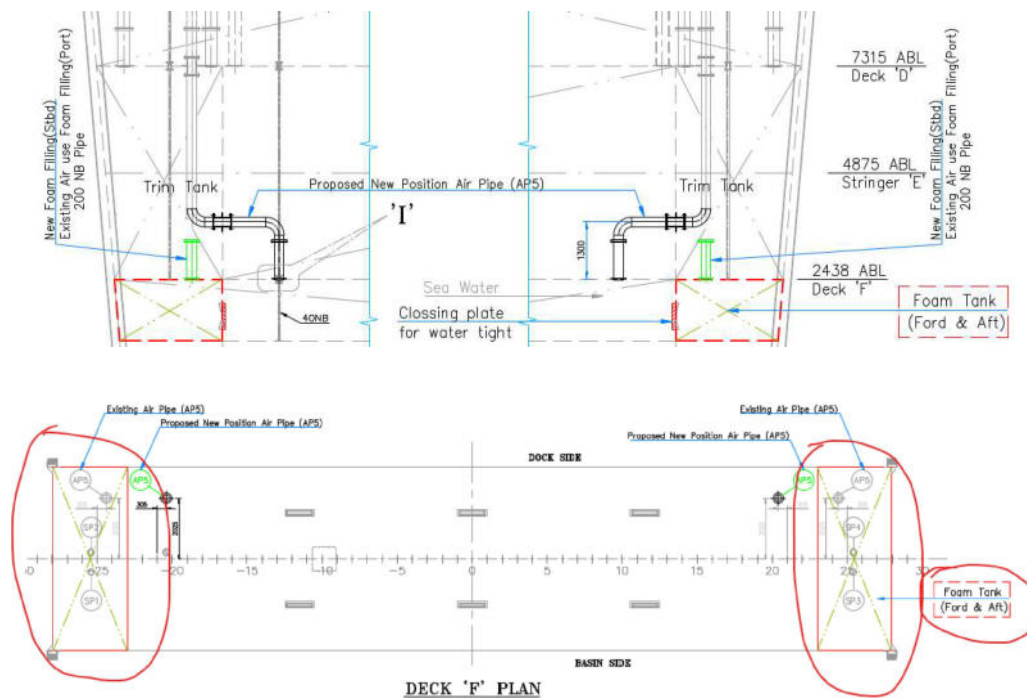
3. QUANTITY

- a) The ballast chamber extends longitudinally from the aft end to the forward end of the vessel and vertically from the tank bottom up to Deck F (2438 mm ABL) in the Caisson Gate.

At present, the ballast chamber is partially filled with concrete slurry up to approximately 1000 mm above the tank bottom. Accordingly, the remaining effective free depth available above the solid ballast is approximately 1438 mm (2438 – 1000 mm).

The tank portions extending from the aft end to Fr. -23 and from Fr. + 23 to the forward end will be converted into foam tanks.

Based on the internal dimensions' of 2340 mm × 6000 mm × 1438 mm, the available volume per foam tank is calculated as approximately 20.2 m³.



It is supplier to calculate the Foam quantity based on the each tank volume which is approx. 20.2 m³ each.

Encl:

- 1) SBM-22-1024-601-Cassion Gate-Air & Sounding System and Foam Filling Tank & Piping**

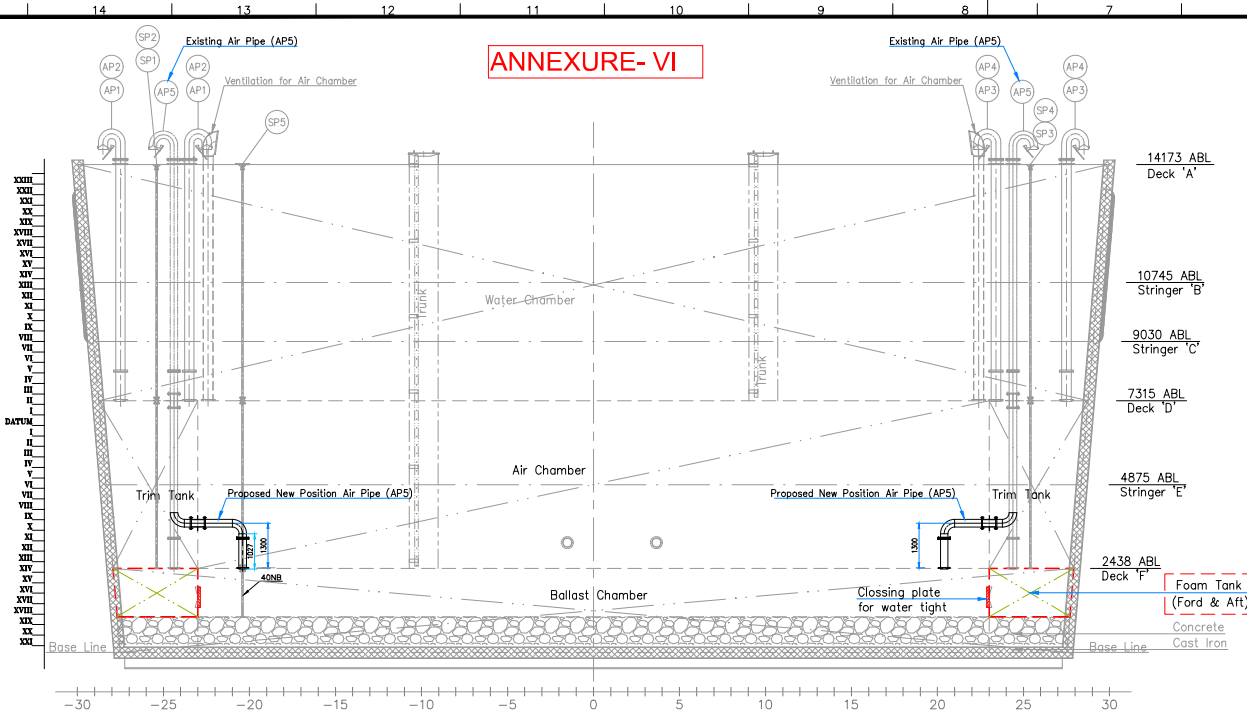
ANNEXURE- VI

SR.NO	DESCRIPTION	SIZE	MATERIAL	QTY
AP1	AIR PIPE FOR TRIM TANK -1 (S)	150NB, 7.11THK.	ASTM A106 Gr.B	2
AP2	AIR PIPE FOR TRIM TANK -1 (P)	150NB, 7.11THK.	ASTM A106 Gr.B	2
AP3	AIR PIPE FOR TRIM TANK -2 (S)	150NB, 7.11THK.	ASTM A106 Gr.B	2
AP4	AIR PIPE FOR TRIM TANK -2 (P)	150NB, 7.11THK.	ASTM A106 Gr.B	2
AP5	AIR PIPE FOR BALLAST TANK	200NB, 8.18THK.	ASTM A106 Gr.B	2

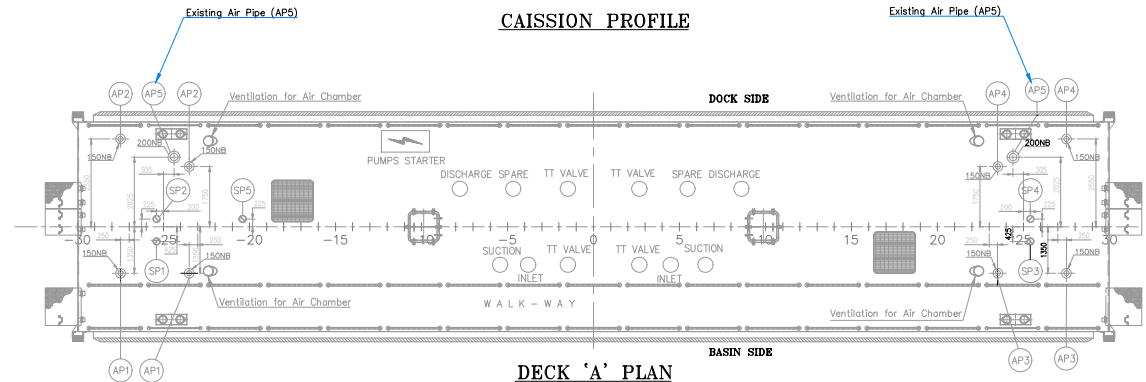
SR.NO	DESCRIPTION	SIZE	MATERIAL	QTY
SP1	SOUNDING PIPE FOR TRIM TANK -1 (S)	40NB	5.08 THK, ASTM A106 Gr.B	1
SP2	SOUNDING PIPE FOR TRIM TANK -1 (P)	40NB	5.08 THK, ASTM A106 Gr.B	1
SP3	SOUNDING PIPE FOR TRIM TANK -2 (S)	40NB	5.08 THK, ASTM A106 Gr.B	1
SP4	SOUNDING PIPE FOR TRIM TANK -2 (P)	40NB	5.08 THK, ASTM A106 Gr.B	1
SP5	SOUNDING PIPE FOR BALLAST TANK (C)	40NB	5.08 THK, ASTM A106 Gr.B	1

NOTE:

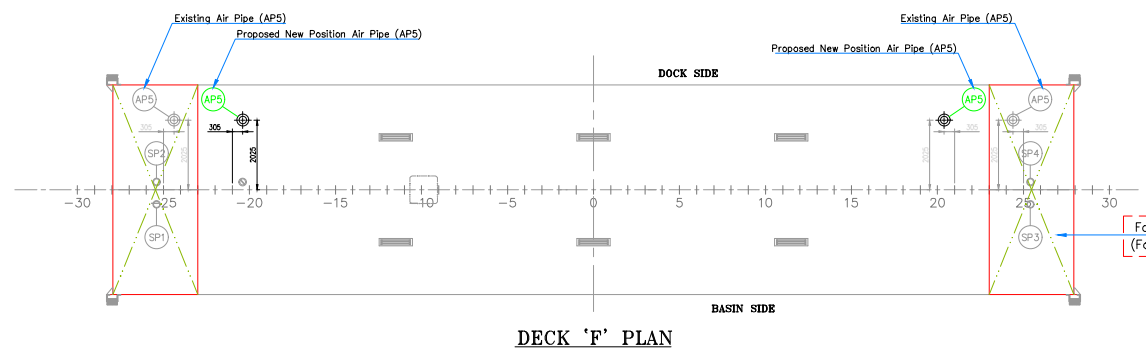
- GOOSE NECK AND WEIGHTED FLAP TYPE CLOSING APPLIANCES PROVIDED FOR AIR PIPES.
- SOUNDING PIPES TAKEN UP TO TANK BOTTOM WITH 25 MM. CLEARANCE FROM SHELL PLATE.
- 10 MM STRIKING PLATE TO BE PROVIDED AT THE BENEATH BOTTOM OF SOUNDING PIPE ON SHELL PLATE.
- ALL SOUNDING PIPES ARE FLUSH TYPE AND WATER TIGHT.
- AIR CHAMBER IS TO BE PROVIDED WITH COWL VENT.
- ALL PIPES AND FITTINGS ARE TO BE SUITABLY GALVANISED.



CAISSON PROFILE



DECK 'A' PLAN



DECK 'F' PLAN

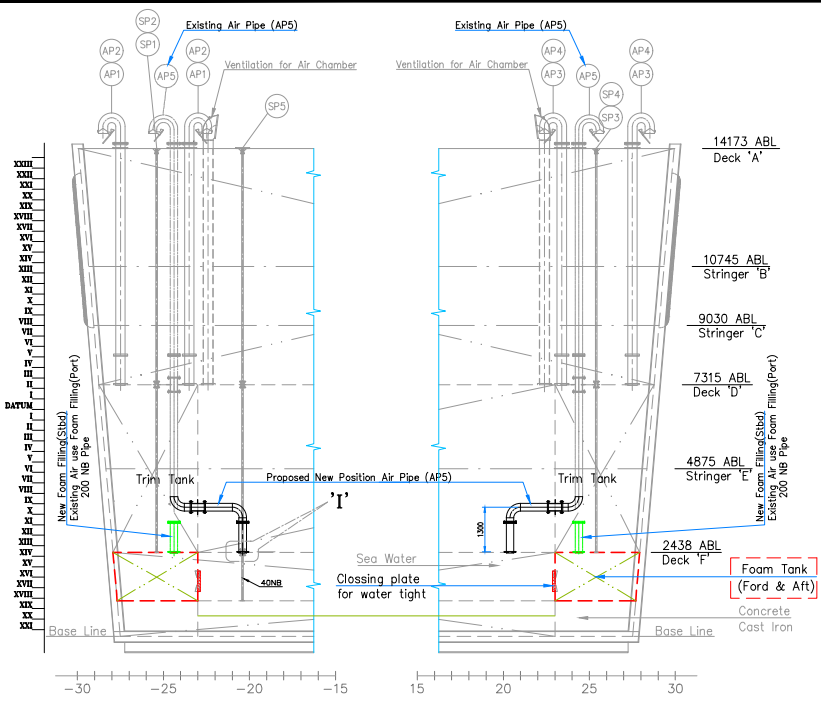
MAIN DIMENSIONS	
LENGTH AT TOP	:- 30.308 M
LENGTH AT BOTTOM	:- 27.870 M
BEAM	:- 06.096 M
DEPTH	:- 14.173 M

Rev.	Date	Description	Drawn	Review
05	04.11.24	AIR PIPE(AP5) POSITION CHANGE FOR BALLAST TANK IWO FOAM TANK	GB	SNG
04	07.07.23	ACTUAL DECK PENETRATION OF AIR & SOUNDING PIPE	GB	MS
03	10.03.23	2 NOS. AIR VENTS PROVIDED FOR EACH TRIM TANKS	ST	MS
02	23.10.22	OWNERS COMMENTS INCORPORATED	ST	MS
01	03.09.22	OWNERS COMMENTS INCORPORATED	ST	MS

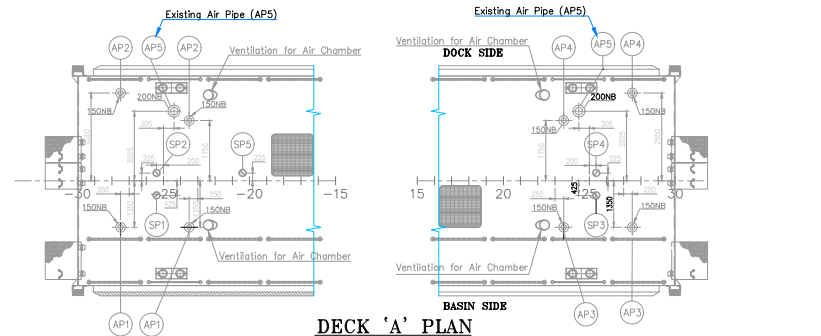
Issued for		Approval					
Owner :-	COCHIN SHIPYARD LTD.						
Project :-	CAISSON GATE						
Drawing Title :-	SCHEMATIC AIR VENT & SOUNDING PIPING SYSTEM						
Drawn	Checked	Review	Date	Scale	Sheet	Page	Revision
AB	MS	SC	23.06.22	1:75	A1	05	S B M - 2 2 - 1 0 2 4 - 2 0 1
Builder :-				S.B. MARINE CONSULTANT			
				HCSL, HOWRAH			
				Yard No :- 0032203			

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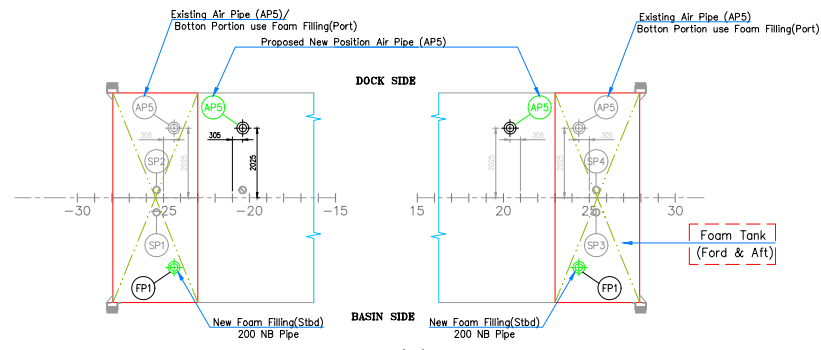
LIST OF AIR VENT PIPE				
SR.NO	DESCRIPTION	SIZE	MATERIAL	QTY
AP5	EXISTING AIR PIPE BOTTOM PORTION USE FOAM FILLING	200NB,8.18THK.	ASTM A106 Gr.B	2
FP1	NEW PIPE USE FOAM FILLING (STBD) (AFT & FWD)	200NB,8.18THK.	ASTM A106 Gr.B	2



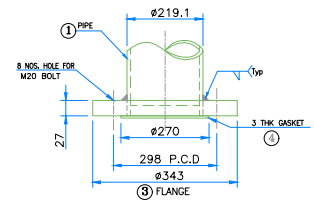
PROFILE



DECK 'A' PLAN



DECK 'F' PLAN



DETAIL 'I'
AIR PIPE/ FOAM FILLING PIPE

MAIN DIMENSIONS	
LENGTH AT TOP	:- 30.308 M
LENGTH AT BOTTOM	:- 27.870 M
BEAM	:- 06.096 M
DEPTH	:- 14.173 M

Rev.	Date	Description	Drawn	Review						
Issued for		Approval								
Owner :-		COCHIN SHIPYARD LTD.								
Project :-		CAISSON GATE								
Drawing Title :-		FOAM FILLING PIPE FITTING								
Drawn	Checked	Review	Date	Scale	Paper	Rev #	Drawing No :-		Sheet	
GOPAL	SG	SM	26.09.25	1:75	A1	00	S B M - 2 2 - 1 0 2 4 - 0 0 0	1	OF 1	
Builder :-							HCSL, HOWRAH			
Yard No :-							0032203			

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