



Tender No: HCSL/PUR/TEN/2025/061

Dated: 15.07.2025

TENDER NOTICE

Competitive tenders are invited on behalf of Hooghly Cochin Shipyard Limited (Hooghly CSL) 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 Work, General Terms and Conditions and Special Terms attached.

Tender No. & date	HCSL/PUR/TEN/2025/061 Dated: 15.07.2025
Scope of work	Supply of Hot Dip Galvanized Gratings, Stair Treads & Fasteners for 04 no. of 40T BP ASD Tug at Hooghly Cochin Shipyard Limited, Nazirgunge Unit, Howrah (Detailed Technical specification is enclosed separately).
Type of Tender	Two Bid (Email Tender)
Earnest Money Deposit	Nil
Last date & time of receipt of tender	25.07.2025 at 15:00 Hrs.
Date & time of opening of technical bid	25.07.2025 at 15:30 Hrs.
Tenure of contract	Ref: Annexure-3, Cl. No. 9
Officer - in - Charge	Name: Saikat Kumar Biswas Designation: Deputy Manager (Materials) Email: saikat.biswas@hooghlycsl.com Phone No: 8250792208 Name: Sreerag .G Designation: Manager (Materials) Email: sreerag.g@hooghlycsl.com Phone No: 9482608957

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 (Planning & Procurement), Hooghly Cochin Shipyard Limited, Nazirgunge Unit, Howrah.

For Hooghly Cochin Shipyard Limited



Signature and Seal of the Bidder(s)

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.

Officer - in - Charge for the above work:

Name: Saikat Kumar Biswas
Designation: Deputy Manager (Materials)
Email: saikat.biswas@hooghlycsl.com
Phone No: +91 8250792208

Name: Sreerag .G
Designation: Manager (Materials)
Email: sreerag.g@hooghlycsl.com
Phone No: +91 9482608957

For any technical queries:

For technical query(Please contact the below person)

Name : Rakesh Kumar Sagar
Designation : Manager (NA)
Email : rakesh.kumar@hooghlycsl.com
Phone No : +91 9508921575

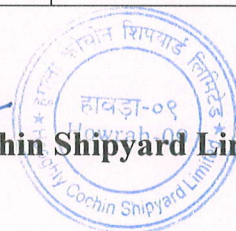


For Hooghly Cochin Shipyard Limited

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For Hooghly Cochin Shipyard Limited



Signature and Seal of the Bidder(s)

PRE-QUALIFICATION CRITERIA

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

- i. Experience in the successful supply of **Hot Dip Galvanized Gratings, Stair Treads & Fasteners with accessories** and complexity comparable to the proposed material for Shipyards (State/Central Govt., Semi Govt, Private) within the last 3 (three) years, ending last day of month previous to one in which applications are invited (Copy of PO along with the Tax Invoice, Delivery challan is required to be submitted, as supporting documents, along with the technical bid).
- ii. Audited Balance sheets showing turnover, Profit & Loss account of the firm for the preceding 03 years (2021-22, 2022-23,2023-24) should be submitted along with the application for prequalification.
- iii. The Tenderer should enclose copy of MSME Certificate in relevant field (if applicable), PAN, GST registration certificate, Income tax returns for last three Financial year (2021-22, 2022-23,2023-24).
- iv. Offers from joint ventures/consortium will not be accepted.
- v. Experience as joint ventures/consortium will not be considered for prequalification.
- vi. Net worth of the bidder must be positive as per the latest balance sheet. (MSME/NSIC will get exemptions).



SCOPE OF WORK AND TECHNICAL SPECIFICATION

1. Purchase Technical Specification of Hot Dip Galvanized Gratings, Stair Treads & Fasteners.

Ref. Enclosure-1 (Consisting 14 No. of Pages).



Annexure –2

PRICE BID FORMAT

Tender Enquiry No: HCSL/PUR/TEN/2025/061 Dated: 15.07.2025

Sl. No.	Description	Qty per vessel	Total Qty for 04 nos. of vessel	UOM	Weight (Kg)	Unit Rate (Rs.)	Total Amount without GST (Rs.)
		(A)	B=(A x 4)			(C)	[D=C x B]
A.	Stair Treads - Staircase, Ladders and Fwd. F'Castle Deck Grating (Refer: Clause 14, Table-2 of PTS), Weight to be provided by the Vendor						
1.	Tread Sizes : 695x 270x 1"	31	124	Nos.			
2.	Tread Sizes : 580x 270x 1"	20	80	Nos.			
3.	Tread Sizes : 680x 270x 1"	09	36	Nos.			
B.	Grating (Refer: Clause 15, Table-3 of PTS), Weight to be provided by the Vendor.						
4.	STR_02_975x1325	01	04	Nos.			
5.	STR_08_935x1180	01	04	Nos.			
6.	STR_2.1_WH_TOP_600x1290	01	04	Nos.			
7.	STR_2.1_WH_975x1325	01	04	Nos.			
8.	VL_15_1238x1251	01	04	Nos.			
9.	FD_GRT_01	01	04	Nos.			
10.	FD_GRT_02	01	04	Nos.			
11.	FD_GRT_03	01	04	Nos.			
12.	FD_GRT_04	01	04	Nos.			
13.	FD_GRT_05	01	04	Nos.			
14.	FD_GRT_06	01	04	Nos.			
15.	FD_GRT_07	01	04	Nos.			
16.	FD_GRT_08	01	04	Nos.			
17.	FD_GRT_09	01	04	Nos.			
C.	Fasteners M-Clips with Bolt, Nut & Washer (Refer: Clause 16, Table-4 of PTS), (1) Bolt length to be suitable for fastening 1" Grating / Stair treads to be provided by Vendor. However, Min. length to be maintained as 25 mm. (2) Weight of fasteners to be provided by the Vendor.						

18.	All Stairs, Platforms Combined	200	800	Nos.			
19.	Forecastle deck Grating	200	800	Nos.			
20.	Total amount without GST for 04 Shipset (Rs.) [A+B+C]						
21.	HSN Code						
22.	Total GST Amount for 04 Shipset (Rs.)						
23.	Total Amount including GST for 04 Shipset (Rs.)						
24.	Total Amount including GST (Rs.) for 04 Nos. of Shipset- In Words . (Sl. no. 23)						

Note:

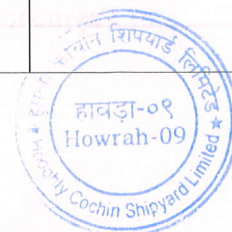
1. Rate should be quoted in INR only. Unit rate shall be quoted in Numbers not in weight.
2. Bidder has to submit the price bid as mentioned in the format only, otherwise bid will be rejected.
3. L1 bidder will be evaluated based on the total cost of all the items (Sl.No. 1 to 19) excluding GST for 04 no. of Shipsets.
4. Quotation for all line items is mandatory. Partially quoting for few line items shall result in rejection of the bid.
5. Bidder should quote in consideration with all the clauses of Annexure-1 (Purchase technical specification).
6. Supply shall be made on FOR Hooghly CSL store basis, freight charge, Packing & Forwarding charge, if any, also should be included in Unit Rate and not to be mentioned as a separate line item.
7. Un-priced price bid format (which is an exact replica of the Price bid except that Price is blanked) as per **Annexure-2** to be submitted along with techno-commercial bid with details like percentage of taxes & duties applicable and stating **“Quoted”** or **“Not Quoted”** or **“Not Applicable”** to be mentioned for each line item.

Seal & Sign. of the Bidder

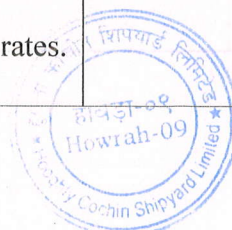
Annexure-3

General Terms & Conditions

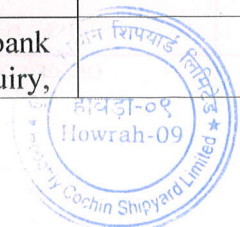
SL. NO.	Description	Compliance by Supplier: (YES/NO) In case of non-compliance, please provide remarks.											
1.	Tenderers are to carefully go through the terms and conditions and the technical specification of the items for which offers are called for.												
2.	Corrections and additions, if any, must be attested. Incomplete/ambiguous offers are likely to be rejected.												
3.	All applicable taxes, duties, transportation, delivery, etc at Hooghly CSLNazirgunge, 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.												
4.	Tenderers should quote prices for delivery of materials at Hooghly CSL store (Address: Hooghly Cochin Shipyard Ltd (Hooghly CSL), Satyen Bose Road, Danesh Sk. Lane (PO), Nazirgunge, Howrah, West Bengal, PIN -711109). Insurance for transit shall be arranged by the vendor.												
5.	Bidders to note that no advance payment will be made by Hooghly CSL against purchase order issued.												
6.	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.												
7.	Final amount shall be calculated on the basis of accepted quantity by Hooghly CSL executing officer/store officer.												
8.	Hooghly CSL has the right to withdraw the tender in partial or full during the course of this tender.												
9.	Delivery: <table border="1"> <thead> <tr> <th>Sl. No.</th><th>Yard No.</th><th>Delivery Schedule</th></tr> </thead> <tbody> <tr> <td rowspan="2">1st lot</td><td>01124001</td><td rowspan="2">Within 30 days from the date of issuance of PO. However an early delivery is expected.</td></tr> <tr> <td>01224002</td></tr> <tr> <td rowspan="2">2nd lot</td><td>01324003</td><td rowspan="2">Not earlier than 60 days but within 90 days from the date of issuance of PO.</td></tr> <tr> <td>01424004</td></tr> </tbody> </table>	Sl. No.	Yard No.	Delivery Schedule	1 st lot	01124001	Within 30 days from the date of issuance of PO. However an early delivery is expected.	01224002	2 nd lot	01324003	Not earlier than 60 days but within 90 days from the date of issuance of PO.	01424004	
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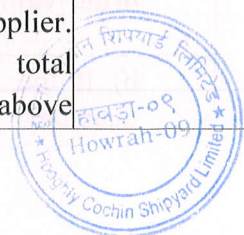
	The delivery schedule shall be a deciding factor in the finalization of this tender. Bidders are requested to clearly indicate the delivery lead time in the technical bid. <u>Hooghly CSL reserves the full right to accept/reject any offer based on the delivery period.</u>	
10.	Loading, transportation and all sundry expenses etc. shall be at supplier's scope. Material unloading scope at Hooghly Cochin Shipyard Ltd, Nazirgunge Unit is under Hooghly CSL Account.	
11.	In case of rejection, the rejected item shall be taken back by the supplier from Hooghly CSL site and replace the same with new, without any additional cost. The replacement has to be completed within 5days from the date of intimation.	
12.	Validity: The offer should be valid for a minimum period of 120 Days from the date of Techno-Commercial Bid opening. No enhancement of rate for whatever 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 Security deposit, if any and/or risk purchase.	
13.	Acknowledge the receipt and acceptance of purchase order/Work order by signing and returning a copy of the same within three days of receipt of the same. If the acknowledgement is not received, it will be presumed as accepted.	
14.	Subcontracting is not allowed.	
15.	Manufacturer's name, their trade mark and brand, if any, should invariably be mentioned and illustrative leaflets giving technical particulars etc., should be attached to the offer. (Refer. Purchase Technical Specification at Annexure-1)	
16.	Samples are to be supplied free of cost in the event of requirement by Hooghly CSL.	
17.	An offer with full scheme shall only be considered for further processing. Incomplete offers may be rejected without prior notice	
18.	All documents submitted against this tender shall be signed and sealed by authorized persons. Otherwise, it may be rejected without prior notice	
19.	The quantities in each item to be purchased may vary according to actual requirement at the time of placing orders	
20.	Payment Terms: a) 100% on receipt and acceptance of materials per shipset at Hooghly CSL stores after inspection. Payment shall be released against invoice certified by store officer/executing officer and other mandatory documents, as per purchase order and on furnishing the following documents. i. GST Invoice in Triplicate. ii. Packing List. iii. Material Test Certificate. b) Payment shall be made as per actual quantity of supply and at the accepted rates.	



	<p>c) Supplied material to be verified defect free, and to be accepted.</p> <p>d) Payment towards all on account bills shall be normally paid within 45 working days from the date of receipt of error free certified bill by the Officer of Hooghly CSL as far as possible.</p> <p>e) To avoid non-acceptance, ensure to indicate P.O.NO, ITEM NO, PART NO. AND VENDOR CODE in the Delivery Challan accompanying the material.</p> <p>f) i) 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>g) 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>	
21.	Materials offered shall confirm to Hooghly CSL specification(Refer. Purchase Technical Specification at Annexure-1)	
22.	<p>Security Deposit/ Warrantee Bank Guarantee:</p> <p>a.i) The successful bidder shall remit a security deposit of 3% of the total order value (excluding taxes, duties) in the form of demand draft drawn in favour 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 a Scheduled Indian bank is to be submitted, if an order is placed towards satisfactory performance of the contract.</p> <p>a.ii) The Bank Guarantee /DD as above should be initially valid till 90 days after completion of supplies in terms of SD and later revalidated (within the validity of initial BG) to cover the guarantee period mutually agreed plus 90 days. However, in the case of items where WBG is not applicable, the SD shall be valid for item delivery at yard plus 90 days. Fixed Deposit Receipt (for equivalent amount of Security Deposit/WBG 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>a.iii) The above SD/WBG is required or applicable only when the total order value (excluding taxes and duties) is Rs.20lakhs and above.</p> <p>b) If the bidder is not agreeable to submission of SD/ warrantee bank guarantee as per Hooghly CSL general terms and conditions of enquiry,</p>	



	<p>Hooghly CSL reserves the right to reject the offer at their 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. However, in cases where total quoted value is less than 20 lakhs, (ie split order etc) and the order value of entire tendered items is more than Rs 20.0 lakhs, the aforesaid loading will be applied on individual items in following cases.</p> <ul style="list-style-type: none"> • The bidder has not quoted for entire tendered quantity • Hooghly CSL has technically / commercially rejected a few items in the tender 	
	c) SD to be submitted within 14 Days of receipt of order from yard.	
	d) Format of bank guarantee along with enquiry to be agreed, in general.	
23.	EMD (Earnest Money Deposit): Nil	
24.	<p>Force Majeure condition: - 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. The occurrence/ cessation of force majeure situation is to be informed with documentary evidence within 15 days from the date of occurrence/cessation.</p>	
25.	<p>Liquidated Damage: 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 materials delayed subject to a maximum of 10% of the total basic price of the materials delayed (Total basic price is the order value excluding freight, taxes, other charges etc.). Further GST will be applicable upon LD and the same also will be deducted along with LD. However, LD applicability is without prejudice to Hooghly CSL right to terminate contract for delayed delivery or other actions as per Risk Purchase clause.</p>	
26.	<p>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.</p> <ol style="list-style-type: none"> To cancel the order partially or full with 15 days' notice and to forfeit the security deposit, if any. To impose tender holiday for the vendor for an appropriate period as decided by Hooghly CSL. To initiate alternate procurement action at the risk and cost of the supplier. <p>This Risk Purchase clause is applicable only in the case of total order/contract value (excluding taxes and duties) is Rs.20 lakhs and above</p>	



	(or equivalent foreign currency). Cases of value less than 20 lakhs will be addressed by serving appropriate caution/ warning notice to the firm.	
27.	Warranty/ Guarantee: - The Items supplied shall be guaranteed for rated performance and against damage or failure due to faulty design, defective materials and bad workmanship for a period of 24 months from date of dispatch of items. Should such damage/ failure occur within the Guarantee period, supplier should immediately rectify the failure by repair/replacement of any such part found to be under performing/ defective, at supplier's own expenses. Further, replaced/repared items shall be guaranteed for 12 months from date of repair/replacement.	
28.	Jurisdiction: All questions, disputes or difference arising under, out of, or in connection with contracts shall be subjected to the exclusive jurisdiction of the Courts at Kolkata, India.	
29.	Packing Material should be eco-friendly.	
30.	Supplier should follow the statutory requirements of products offered.	
31.	After submission of tender, no unsolicited correspondence will be entertained	
32.	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.	
33.	In any case 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.	
34.	In a tender, either the Indian Agent on behalf of the Principal/OEM or Principal/OEM itself can bid but both cannot bid simultaneously for the same item/product in the same tender.	

Specify Yes / No



Tender conditions for Restriction of bidders sharing land border with India vide Office memorandum dt 23.7.2020 Order Public Procurement no 1 dt 23.7.2020, Order no 2 dt 23.7.2020, Order no 3 dt 24.7.2020 and amendments issued by GOI time to time.

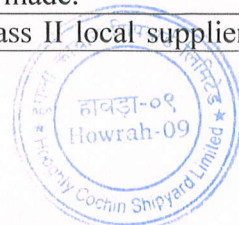
A	Requirement of registration
1	Any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with competent authority as per C below. In works contracts, including turnkey contracts, contractors shall not be allowed to subcontract works to any contractor from a country which shares a land border with India unless such contractor is registered with Competent authority. Relevant certificate to be submitted by bidder from a country which shares land border with India except for bidders to which Govt of India has extended lines of Credit or in which Govt of India has development projects, along with the offer as proof of registration with competent authority, failing which the offer will not be considered. A certificate is to be submitted by the bidder for compliance with the order referred above along with tender documents for consideration of offer (Wordings are as per Clause below). If such certificate given by a bidder whose bid is accepted is found to be false, this would be a ground for immediate termination and further legal action in accordance with law.
2	Wordings of certificate to be submitted along with tender documents
	I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India. I hereby certify that this bidder is not from such a country or, if from such a country, has been registered with the competent authority. I hereby certify that this bidder fulfils all requirements in this regard and is eligible to be considered. (Evidence of valid registration by the competent authority shall be attached wherever applicable)
2	Wordings of certificate to be submitted along with tender documents for Works Involving possibility of subcontracting
	I have read the clause regarding restrictions on procurement from a bidder of a Country which shares a land border with India and on subcontracting to contractors from such countries. I certify that this bidder is not from such a country or if from such a country has been registered with the competent authority and will not subcontract any work to a contractor from such countries unless such contractor is registered with the competent authority. I hereby certify that this bidder fulfils all requirements in this regard and is eligible to be considered (Evidence of valid registration by the competent authority shall be attached wherever applicable)
B	Validity of registration
1	Registration should be valid at the time of submission of bids and at the time of Acceptance of bids. In respect of supply otherwise than by tender, registration should be valid at the time of placement of order. If the bidder is validly registered at the time of acceptance /order placement, registration shall not be a relevant consideration during contract execution.
C	Competent authority and Procedure for registration



1	The competent authority for the purpose of registration under the order shall be Registration committee constituted by the Department of Promotion of Industry and Internal Trade (DPIIT). Details of the committee and procedure for registration and restrictions shall be as per Ann I of the Order – Public Procurement no 1 dt 23.7.2020 issued by Ministry of Finance, department of Expenditure.
D	Definition of Bidder and Bidder from a country sharing land border with India
1	Bidder is defined as any person or firm or company including any, member of a consortium or joint venture, every artificial, juridical person not falling in any of the descriptions of bidders stated here in before, including any agency, branch or office controlled by such person, participating in a procurement process.
2	"Bidder from a country which shares a land border with India "for the purpose of this Order means: – a) An entity incorporated, established or registered in such a country; or b) A subsidiary of an entity incorporated, established or registered in such a country; or c) An entity substantially controlled through entities incorporated, established or registered in such a country; or d) An entity whose beneficial owner is situated in such a country; or e) An Indian (or other) agent of such an entity; or f) A natural person who is a citizen of such a country; or g) A constitution or joint venture where any member of the consortium or joint venture falls under any of the above.
3	Type of business entity (Private Limited Company / Public Limited Company / Sole Proprietorship / One Person Company / Partnership / Limited Liability Partnership / Joint Venture / Trust/ NGO) In case of incorporated entity–to attach certificate of incorporation
	Beneficial Owners –as defined in the Department of Expenditure Order (Public Procurement No.1) issued vide No. F.No.6/18/2019–PPD dated 23 rd July, 2020.Details of all beneficial owners having entitlement of more than 01% of shares or Capital or profit to be given, in the format as given in Annexure–I duly certified by Practicing Chartered Account in India.



Tender condition- Preference to Make in India	
A	Purchase preference in accordance with Public procurement (Preference to Make in India Order – 2017) Order from Department of Promotion of Industry and Internal Trade P-45021/2/2017/-B.E-II dt, 4.6.2020 and as amended from time to time shall be applicable as per below
1	In the procurement of all goods/services/works in respect of which there is sufficient local capacity /local competition, only Class I Local suppliers shall be eligible to bid irrespective of purchase value
2	In the procurement of all goods/services /works which are not covered as above and with estimated value of purchase less than Rs 200.0 Crores, only Class I local Suppliers along with Class II local suppliers shall be eligible to bid.
	Purchase preferences for Class I local suppliers
B	In the procurement of goods/works covered under 2 above and which are divisible in nature, Class I local supplier shall be eligible for Purchase preference over Class II / Non local supplier as per following
1	If L1 bid is not a Class I local supplier, 50% of the order quantity shall be awarded to L1. Thereafter the lowest bidder among Class I local supplier will be invited to match the L1 price for the remaining 50% quantity subject to Class I local supplier quoted price falling within 20% margin. Contract for that quantity shall be awarded to such Class I local supplier subject to matching L1 price. In case such lowest eligible Class I local supplier fails to match L1 price or accept less than offered quantity, next higher Class I local supplier within 20% margin shall be invited to match the L1 price for the remaining qty and so on. If some quantity is left uncovered on Class I local supplier, such balance quantity shall be ordered on L1 bidder.
2	For procurements that are not divisible in nature and in procurement of services evaluated on price alone, Class I local supplier shall get purchase preference over Class II/Non local supplier as per below
3	If L1 is not a Class I local supplier, lowest bidder among Class I local supplier will be invited to match L1 price subject to Class I local supplier quoted price falling within 20% of L1 price and contract will be awarded to such Class I local supplier, subject to matching L1 price. In case such lowest eligible Class I local supplier fails to match L1 price, procedure same as para 3 above will be opted. In case none of Class I local suppliers within 20% margin matches L1 price, contract shall be awarded to L1 bidder. The purchase preference as above will be only for Class I local supplier and Class II local supplier will not be eligible for any Purchase preference
C	Local content requirement to categories a supplier as Class I/Class II/Non local supplier shall be as per below. Definition of local content shall be as per order dt 4.6.2020 i.e amount of value added in India which shall be the total value of the item procured (excluding net domestic indirect taxes) minus the value of import content in the item (including all customs duties) as a proportion of total value in percentage.
1	Class I–Local content equal to or greater than 50%
2	Class II–Local content greater than 20%, less than 50%
3	Non local–Local content less than 20%
D	Declaration of local content
1	Class I local supplier /Class II local supplier at the time of tender shall indicate % of local content and provide self-certification that offered item shall meet the local content requirement for Class I/Class II as applicable including details of locations at which local value addition is made.
	In case of procurement for a value in excess of Rs 10.0 Crores Class I/Class II local supplier is to



2	provide a certificate from statutory auditor/cost auditor(for companies) /practicing cost accountant/Chartered accountant (suppliers other than companies) indicating % of local content
3	Verification of the Certificates issued by the bidder shall be carried out by HOOGLY CSL on random basis. False declarations will attract actions as stipulated in the order referred, including other actions as permissible by law.
4	Exemption is applicable from provisions of order for purchases with estimated values less than Rs 5.0 lakhs
5	Notwithstanding above, exemptions for meeting local content as per relevant Clause of order dt 4.6.2020 and as amended from time to time shall apply.



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 (Planning & Procurement), Hooghly Cochin Shipyard Limited, Nazirgunge Unit, Howrah.

2. TECHNO-COMMERCIAL PART SHOULD CONTAIN FOLLOWING DETAILS:

- i. Technical Specification (Annexure-1)
- ii. Unquoted Price bid (Annexure-2)
- iii. General Terms and Conditions (Annexure-3)
- iv. Special Instruction To Bidder (Annexure-4)
- v. Techno-Commercial Check-List (Annexure-5)
- vi. Vendor Details (Annexure-6)
- vii. NEFT Mandate Form (Annexure-7)
- viii. List Of Deviations (Annexure-8)
- ix. Bank Guarantee Format Towards SD (Annexure-9)
- x. Self-Declaration By Bidder (Annexure-10)
- xi. Declaration Of Pending Legal Cases (Annexure-11)
- xii. Tender Declaration (Annexure-12)

3. PRICE PART SHOULD CONTAIN FOLLOWING DETAILS: -

- a. Price against item as per Annexure-2.
- 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.

saikat.biswas@hooghlycsl.com

sreerag.g@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.

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”, failing which it will be presumed that all the terms and conditions are acceptable.
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 & sealed copy of the tender document including Annexures and Enclosures along with their bid as token of acceptance of terms & Conditions.

For Hooghly Cochin Shipyard Limited



Annexure-5

TECHNO-COMMERCIAL CHECK LIST				
SL. NO.	DESCRIPTION	COMPLIANCE		REMARKS
		YES	NO	
1.	Submission of Tender in two parts –Techno-commercial& Price (Password Protected)			
2.	All statutory documents as per tender			
3.	Delivery date confirmation to yards delivery schedule			
4.	Validity of offer – 120 Days from the date of Techno-Commercial Bid opening.			
5.	Payment Terms - confirm your offered mode of payment			
6.	The Prices offered should remain firm till the completion of delivery, in case the purchase order is placed with you.			
7.	Have you quoted the rates for delivery at Hooghly Cochin Shipyard Ltd (Hooghly CSL), Satyen Bose Road, Danesh Sk. Lane (PO), Nazirgunge, Howrah, West Bengal, PIN -711109 (FOR Hooghly CSL Store basis)			
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.			
11.	Disputes in connection with contract subject to jurisdiction of courts at Kolkata India.			
12.	Termination of contract/Risk purchase as per relevant clause in the General terms of enquiry.			
13.	Supplier Should furnish Material Test Certificate from competent authority[Refer Technical Specification]			
14.	Confirm all other terms and conditions of enquiry are acceptable.			

Annexure-6

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:	1) 2) 3)
6	Type of Entity-Pro praetorship/Partnership firm/company/NSIC/MSME Category etc. (Please attach registration certificate of Firm/Partnership agreement/proprietorship documents)	
7	Cost of Tender Details (DD No. Name of Bank)	N/A
8	EMD Details (DD No. Name of Bank)	N/A
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:

NEFT MANDATE FORM

(ON THE LETTER HEAD OF THE COMPANY)

Electronic Payment Mandate Form

(Mandate for receiving payments through RTGS/NEFT Hooghly Cochin Shipyard Ltd)

- 1) Vendor Name
- 2) Vendor Address with Phone No

- 3) Vendor Code

- 4) Permanent Account No. (PAN)

[illegible]

- 5) Particulars of Bank Account

- a. Name of the Bank

[illegible][illegible]

- b. Name of the Branch

[illegible][illegible]

- c. Branch Code

- d. NEFT Code of the Bank

- e. City Name

- #### f. Branch Location

- g. Branch Telephone No.

- #### h. Bank IFSC Code

- i. 9-Digit MICR Code

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

- i. Type of the Account (S.B

Current or

- Cash Credit) with code

--	--	--

(010/011/013)

- j. Account Number (as

appearing on the cheque book)

[illegible]

- 6 Email Address of Vendor

- 7 Date of Effect of RTGS/NEFT
-
- in your Bank

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

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

(.....)

Signature of Employee

Bank Certificate

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

Date:

Place:

(.....)
Authorized official of
Bank

Annexure-8

[illegible]

**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 "**HOOGHLY CSL**") in the said contract that the Supplier shall
furnish **HOOGHLY CSL** 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.

NOW THEREFORE we.....(Name of the Bank) having its Head Office
at.....(Address of Head Office) and acting through its branch office
at.....(Address of the executing branch)(hereinafter called " **the Bank**") hereby
affirm that we are the Guarantor and responsible to **HOOGHLY CSL**, 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 **HOOGHLY CSL** 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 **HOOGHLY CSL** 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:.....

¹¹An 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 HOOGHLY CSL or by any of the Public Sector Undertaking or Government department etc.
2. If HOOGHLY CSL finds that, we have been blacklisted/ debarred by any of the Public Sector Undertaking or Government department, and then HOOGHLY CSL can reject the offer or terminate the contract at any point of time. In such case, we are aware that, EMD, security deposit, performance guarantee etc will be forfeited by HOOGHLY CSL. Further we are confirming herewith that, any loss that has happened to HOOGHLY CSL due to this will be compensated by us.

For and on behalf of the firm

(Firms Name & Address)

(Signature of Authorized Signatory)

Name:

Designation

Phone No.:

Seal:

Date:

Place:.....

(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

SIGNATURE OF BIDDER

TENDER DECLARATION

This is to certify that I have completely read and understood the tender enquiry / numberand we/I, M/s....., hereby declare that will abide by all the tender conditions. Deviations, if any in the techno-commercial offer from that of the tender enquiry and subsequent corrigendum in any form will be clearly furnished by us in a separate document which will be titled as “List of Deviations”.

If we are not providing any separate document titled as “List of Deviations” then it is to be considered that all the terms and conditions are acceptable to us.

Signature of Supplier/Authorized signature of firm/agency:

Name of Supplier or authorized signatory of firm/agency:

Designation:

Rev. No.	Pages	Description	Date	Sign.
0	02	First Issue	26-06-2025	Abhishek
1	04	Updated details as per Design Development	03-07-2025	Abhishek

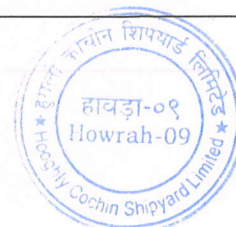


HOOGHLY COCHIN SHIPYARD LIMITED

HOWRAH - 711 109

YARD NO		01124001, 01224002, 01324003, 01424004	PROJECT: 40 T BOLLARD PULL ASD TUG											
OWNER		INDUSTRIAL HANDLING PRIVATE LIMITED	PURCHASE TECHNICAL SPECIFICATION FOR HDG GRATINGS, STAIR TREADS & FASTENERS											
APPROVED		RAKESH SAGAR												
CHECKED		SANIL PETER												
PREPARED		ABHISHEK MISHRA												
DATE		30-06-2025	Doc. No.: PTS-01124001-058											
ISSUED TO	NO. DEP.													
	NO.													

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.



GENERAL CONDITIONS OF SUPPLY OF ELECTROFORGED GALVANIZED GRATINGS AND SADDLE CLIPS

1. This document specifies the details for fabrication and supply of Electroforged Hot Dip Galvanized stair treads & Gratings for the 4 Nos. of 40 T BP Tugs being under construction at Hooghly Cochin Shipyard Ltd.
2. Scope of supply shall be as per "List of Stair Treads" Table-2 and "List of Gratings" Table-3 and attached drawings.

Quantity shown for 1 vessel, scope of supply is for 4 vessels.

The saddle clips, bolts, nuts and washers required for fixing of gratings are also included in supplier's scope.

3. The dimension and shape of each grating shall be as shown in individual grating drawing. The general construction of gratings by arranging serrated flat bar and twisted square rods is shown in typical details of grating. Vendor to provide Final details (Including arrangement of members, weight etc.) of each grating & stair tread for review & approval.
4. Gratings & stair treads shall be fabricated by electro forged grating welding procedure.
5. Grating Specifications:
 - a. **25x5/30 Serrated HDG grating.**
 - b. Serrated load bearing bar spacing – 30 mm
 - c. Twisted square Bar spacing – 100 mm
6. Each type grating is provided with a piece mark for identification. The piece mark and quantity to be fabricated is mentioned in list of gratings table and individual gratings drawing.
7. Saddle clips shall be fabricated as shown in typical drawing suitable for supporting as shown in the drawing. The saddle clips shall be delivered as an assembled unit consisting of saddle clip, M6 x 18L GI bolt, M6 GI nut and washer. For quantity, refer Table 4 "List of saddle clips".
8. After fabrication, gratings and saddle clips shall be hot dipped galvanized to 75 microns thick.
9. Material for the fabrication of gratings, saddle clips, bolts, nuts and washers refer below table.

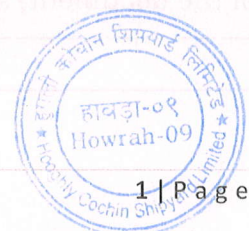


Table – 1 : Material Standard for Grating			
S. No.	Description	Material	Reference Standard
1	Grating	Low Carbon steel, Hot Dip Galavanised	IS 2062
2	M - Clips		IS 2062
3	M6 Hexagonal Bolts		IS 2062
4	M6 Hexagonal Nut		IS 2062
5	M6 Flat Washer		IS 2062

10. Material test certificates for all the materials used for fabrication of the gratings shall be submitted along with supply of the items.

11. After supply of gratings to yard, each item shall be inspected by Hooghly CSL representatives.

12. The fabricated items shall be adequately protected during all methods of transportation and storage. Each grating for delivery shall be clearly and permanently marked by punching on visible area for identification indicating:

- Piece mark (Refer List of Gratings Table)
- Ship No. - 01124001, 01224002, 01324003, 01424004

13. Manufacturer shall guarantee all the items for any defect in design, material and workmanship for a period as mentioned in commercial terms and conditions. Any item found defective during this period shall be replaced free of cost.

14. List of Stair Treads (Table-2)

Stair Treads - Staircase, Ladders and Fwd. F'Cstle Deck Grating					
Sr. No.	Usage Location	Tread Sizes	Approx. Weight	Qty.	Qty. - Sum
1	Stair No. - 2	695x 270x 1"	5.6 Kg	8	31
2	Stair No. - 2.1			8	
3	Stair No. - 3			5	
4	Stair No. - 9			5	
5	Stair No. - 10			5	
6	Stair No. - 7	580x 270x 1"	4.7 Kg	12	20
7	Forecastle Deck Str P			4	
8	Forecastle Deck Str S			4	
9	Stair No. - 8	680x 270x 1"	5.5 Kg	9	9
TOTAL					60



15. List of Gratings (Table-3)

Sl. No.	Grating No. / Piece mark	Qty/Vessel	Unit Weight (Kg)	Total Weight (Kg)
1	STR_02_975x1325	01		
2	STR_08_935x1180	01		
3	STR_2.1_WH_TOP_600x1290	01		
4	STR_2.1_WH_975x1325	01		
5	VL_15_1238x1251	01		
6	FD_GRT_01	01		
7	FD_GRT_02	01		
8	FD_GRT_03	01		
9	FD_GRT_04	01		
10	FD_GRT_05	01		
11	FD_GRT_06	01		
12	FD_GRT_07	01		
13	FD_GRT_08	01		
14	FD_GRT_09	01		
TOTAL		14		

Note: Weight to be provided by the Vendor.

16. List of M-Clips with Bolt, Nut & Washer (Table-4)

Fastener Details			
Sr. No.	Item Name	M Clip with Nut, Bolt & Washer Qty	Remarks
1	All Stairs, Platforms Combined	200	-
2	Forecastle deck Grating	200	-
Total		400	-
Note :- (1) Bolt length to be suitable for fastening 1" Grating / Stair treads. to be provided by Vendor. However, Min. length to be maintained as 25 mm. (2) Weight of fasteners to be provided by the Vendor.			

17. Manufacturer shall guarantee all the items for any defect in design, material and workmanship for a period as mentioned in commercial terms and conditions. Any item found defective during this period shall be replaced free of cost.

18. Manufacturer shall guarantee all the items for any defect in design, material and workmanship for a period as mentioned in commercial terms and conditions. Any item found defective during this period shall be replaced free of cost.

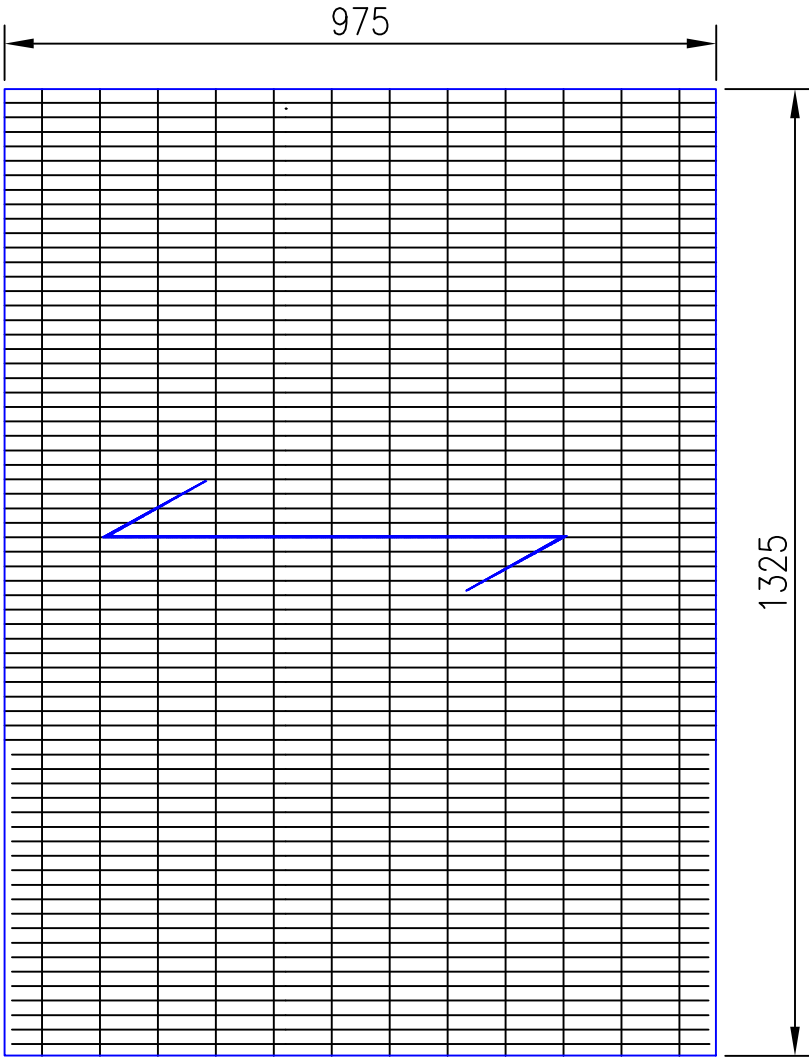


Enclosures: –

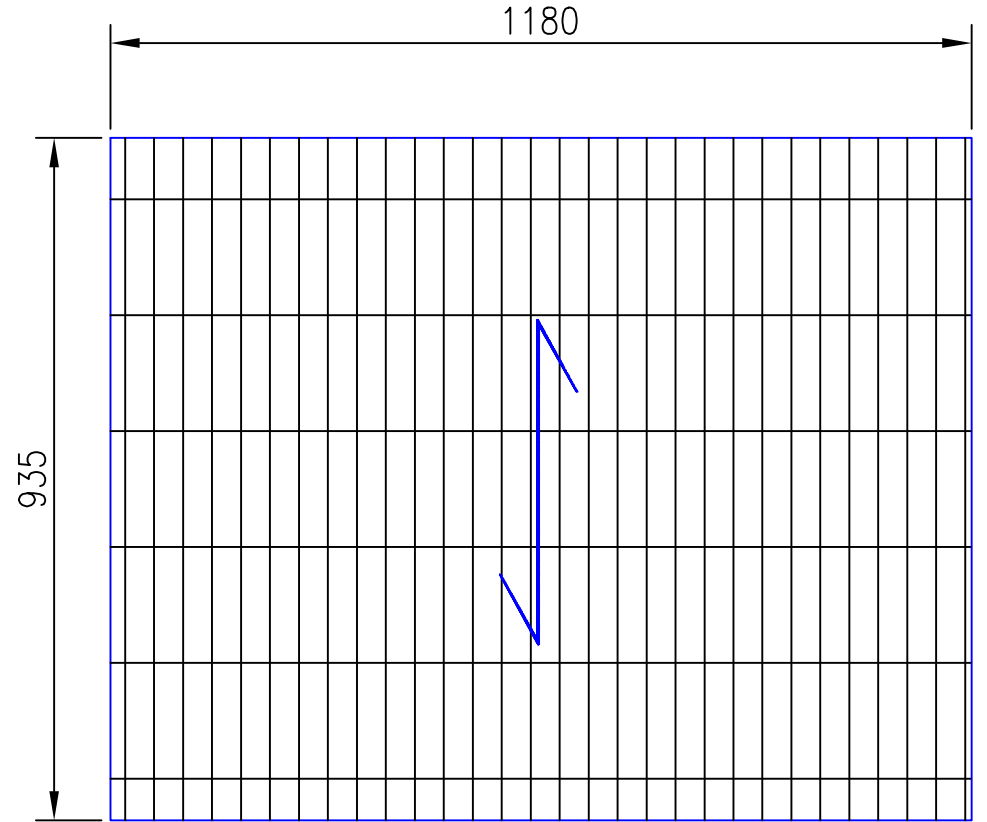
1. **Annexure – 1:** Piece Wise Details of Staircase & Ladders Platform Gratings
2. **Annexure – 2:** Typical Grating Details
3. **Annexure – 3:** Forecastle Deck Grating Arrangement Plan




A
B
C
D
E
F



STAIR-2 PLAT FORM TO WHEELHOUSE
(STR_02_975X1325)



STAIR-8 PLATFORM GRATING
(STR_08_935X1180)

NOTE:   DIRECTION OF LOAD BEARING BARS



HOOGHLY COCHIN SHIPYARD LIMITED
131/1, Satyen Bose Rd, Nazirganj, Guabaria, Mourigram, Howrah,
West Bengal 711109
Contact No. :033 2688 8282 , Website: www.hooghlycsli.com

DRAWING NAME- Piece Wise Details of Staircase & Ladders Platform Gratings

YARD NO.- 01124001,01224002,01324003 , 014240004

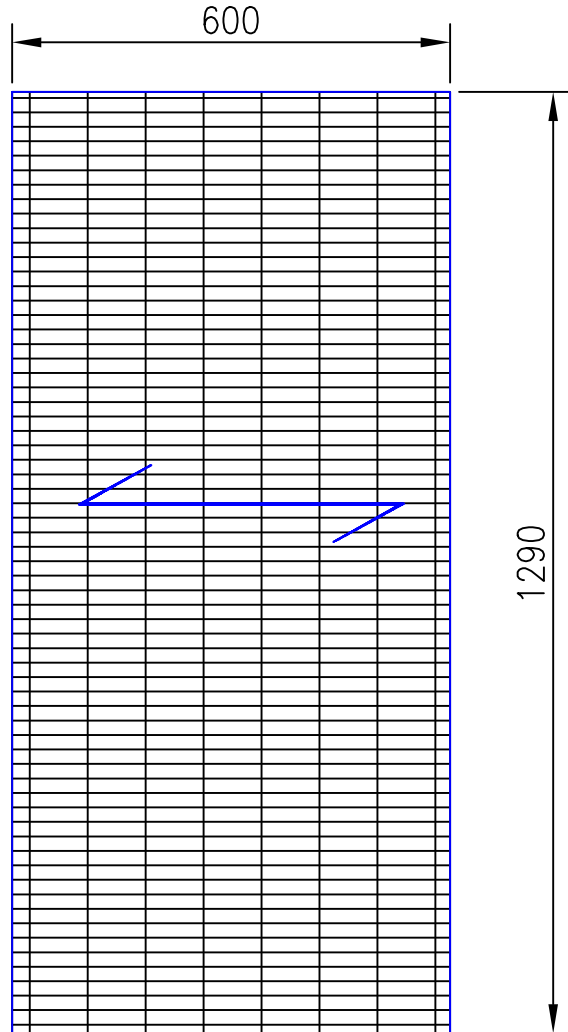
PROJECT NAME.- 40T BP TUG

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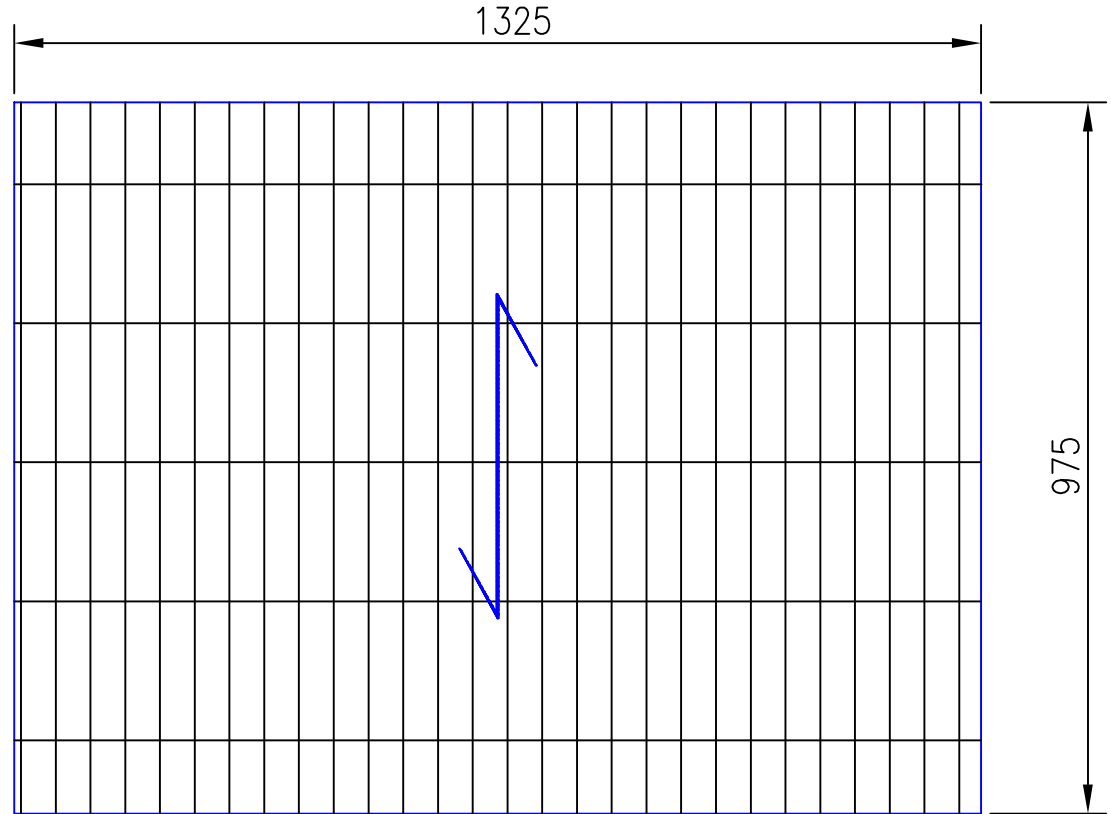
SHEET - 03 OF 04

A
B
C
D
E
F

1 2 3 4 5 6 7 8



STAIR- 2.1 PLATFORM TO WHEEL HOUSE TOP
(STR_2.1_WH_TOP_600X1290)



STAIR - 2.1 PLATFORM TO WHEEL HOUSE(P.S.)
(STR_2.1_WH_975X1325)

NOTE:   DIRECTION OF LOAD BEARING BARS



HOOGHLY COCHIN SHIPYARD LIMITED
131/1, Satyen Bose Rd, Nazirganj, Guabaria, Mourigram, Howrah,
West Bengal 711109
Contact No. :033 2688 8282 , Website: www.hooghlycsli.com

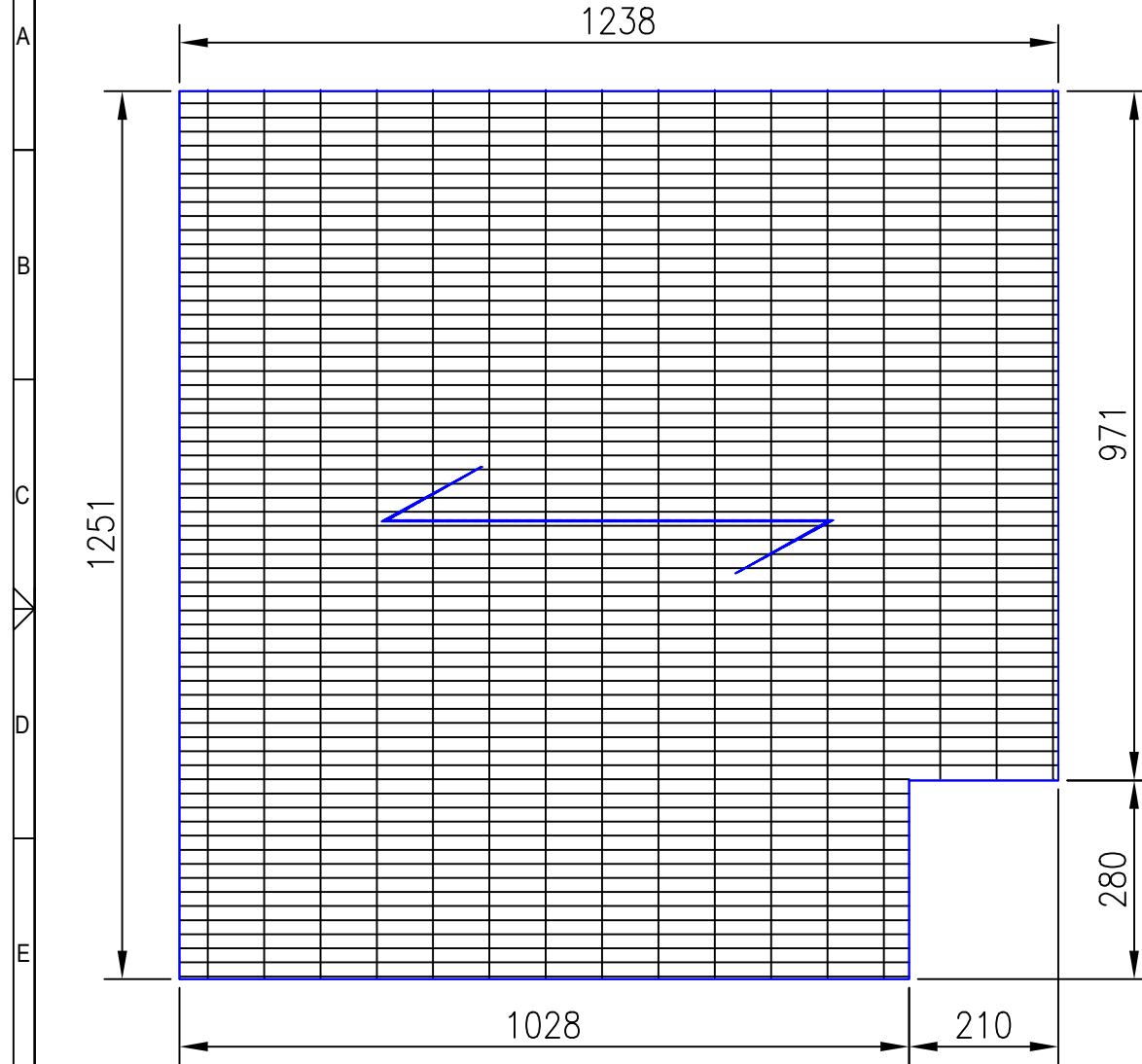
DRAWING NAME- Piece Wise Details of Staircase & Ladders Platform Gratings

YARD NO.- 01124001,01224002,01324003 , 014240004

PROJECT NAME.- 40T BP TUG

SCALE - 1:10

SHEET - 02 OF 04



VERTICAL LADDER- 15
(VL_15_1238X1251)

NOTE:   DIRECTION OF LOAD BEARING BARS



HOOGHLY COCHIN SHIPYARD LIMITED

131/1, Satyen Bose Rd, Nazirganj, Guabaria, Mourigram, Howrah,
West Bengal 711109
Contact No. :033 2688 8282 , Website: www.hooghlycsli.com

DRAWING NAME- Piece Wise Details of Staircase & Ladders Platform Gratings

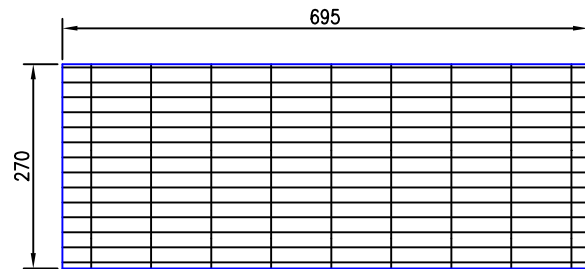
YARD NO.- 01124001,01224002,01324003 , 014240004

PROJECT NAME.- 40T BP TUG

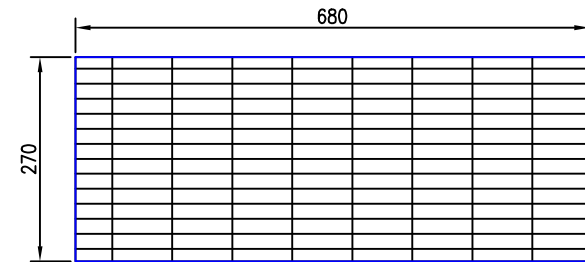
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SHEET - 03 OF 04

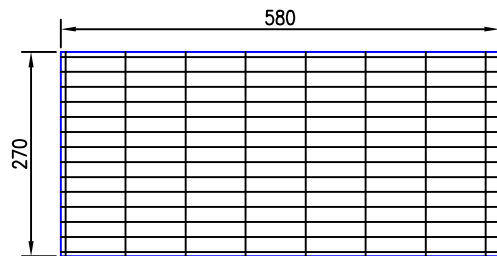
Annexure - 1



STAIR TREAD - TYPE 1



STAIR TREAD - TYPE 3



STAIR TREAD - TYPE 2

NOTE:   DIRECTION OF LOAD BEARING BARS



HOOGLY COCHIN SHIPYARD LIMITED

131/1, Satyen Bose Rd, Nazirganj, Guabaria, Mourigram, Howrah,
West Bengal 711109
Contact No. :033 2688 8282 , Website: www.hooghlycsl.com

DRAWING NAME- Piece Wise Details of Staircase & Ladders Platform Gratings

YARD NO.- 01124001,01224002,01324003 , 014240004

PROJECT NAME.- 40T BP TUG

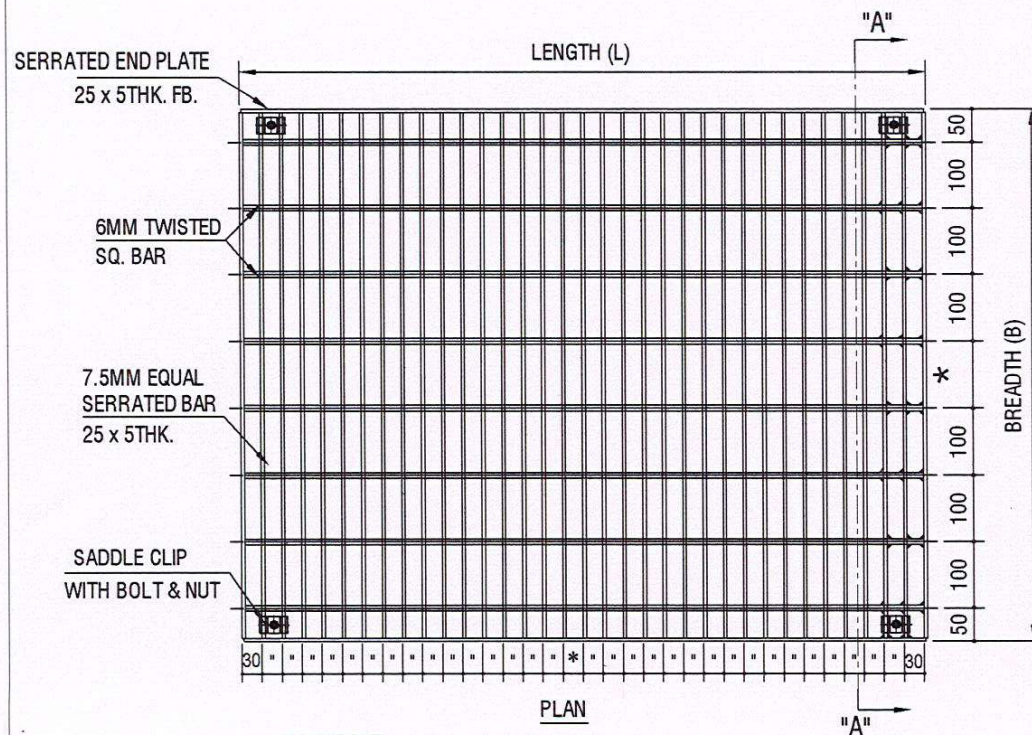
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SHEET - 04 OF 04

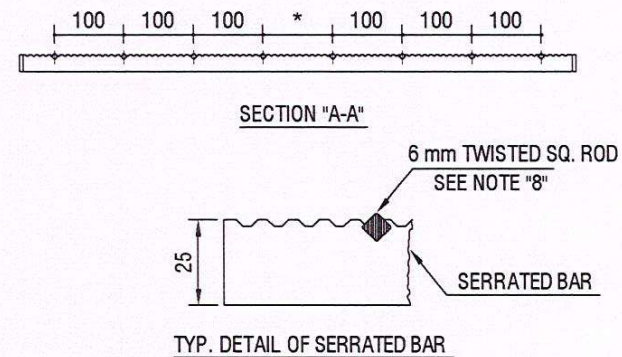
Annexure - 2

NON-CLASSIFIED

TYPICAL DETAILS OF GRATING



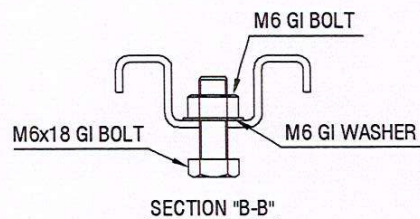
PLAN



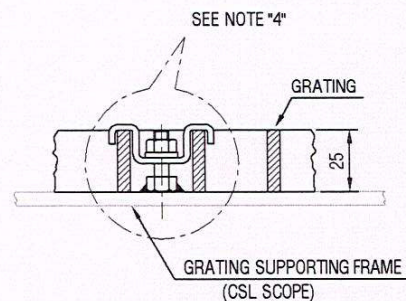
TYP. DETAIL OF SERRATED BAR

ITEM LIST

SI No.	ITEM	MATERIAL
1	BEARING BAR-SERRATED (25 x 5 mm)	LOW CARBON STEEL
2	CROSS BAR- 6 mm SQUARE TWISTED	LOW CARBON STEEL
3	SADDLE CLIP - HOT DIP GALVANIZED	LOW CARBON STEEL
4	M6 x 18L GI BOLT (HEXAGONAL)	
5	M6 GI BOLT (HEXAGONAL)	
6	M6 GI WASHER	



DETAILS OF SADDLE CLIP



SADDLE CLIP FIXING DETAIL

NOTE:-

1. REFER INDIVIDUAL DRAWING FOR SHAPE & DIMENSION OF EACH GRATING
2. MATERIAL FOR GRATING & SADDLE CLIP - LOW CARBON STEEL AS PER IS 2062
3. ALL CUT OUTS IN THE DRAWING SHALL BE DONE BY SUPPLIER.
4. SADDLE CLIP SHALL BE SUITABLE FOR FIXING TO ANGLE BAR AS SHOWN.
5. ALL DIMENSIONS ARE IN mm, UNLESS SPECIFIED.
6. GRATING & SADDLE CLIP SHALL BE HOT DIP GALVANIZED TO 75 MICRON AFTER FABRICATION.
7. * SPACING ADJUSTMENT SHALL BE DONE AT CENTRE OF GRATING ONLY.
8. SQUARE TWISTED ROD EDGES MAY BE CHAMFERED AS PER STANDARD MACHINED ELECTRFORGED WELDING PROCESS.

Annexure-3

FWD

FWD

REVISION HISTORY

CLIENT COMMENTS INCORPORATED

FWD

KEY PLAN

FORECASTLE DECK GRATING ARRANGEMENT

REFERENCE DWG.

- 224-029 30000 GENERAL ARRANGEMENT
- 224-029 21010 STRUCTURAL ARRANGEMENT

NOTES:-

- ALL DIMENSIONS ARE IN MM, UNO.
- ALL SHARP EDGES TO BE ROUNDED OFF.
- DO NOT SCALE THE DRAWING.
- ALL CUT OPENINGS & GRATING DIMENSIONS TO BE VERIFY AT SITE BEFORE CUTTING.
- ADDITIONAL LEG SUPPORT TO BE PROVIDED AT SITE WHEREVER REQUIRED
- ALL WELDING IS TO BE CONSIDERED FILLET WELD, U.N.O.
- REFER INDIVIDUAL DRAWING FOR SHAPE & DIMENSION OF EACH GRATING.
- MATERIAL FOR GRATING & SADDLE CLIP - LOW CARBON STEEL AS PER IS 2062.
- ALL CUT OUTS IN THE DRAWING SHALL BE DONE BY SUPPLIER.
- SADDLE CLIP SHALL BE SUITABLE FOR FIXING TO GRATING & ANGLE BAR SHOWN.
- GRATING & SADDLE CLIP SHALL BE HOT DIP GALVANIZED TO 75 MICRON AFTER FABRICATION.
- * SPACING ADJUSTMENT SHALL BE DONE AT CENTER OF GRATING ONLY.
- SQUARE TWISTED ROD EDGES MAY BE CHAMFERED AS PER STANDARD MACHINED ELECTRFORGED WELDING PROCESS.
- ALL STANCHION TO BE GALVANIZED

FORECASTLE DECK GRATING ARRANGEMENT PLAN

SUPPORT STRUCTURE PLAN
7860mm ABL.

All dimensions in mm unless noted otherwise; Do not scale the drawing

LEGEND:

- EXISTING
- GRATING SUPPORT STRUCTURE
- GRATING
- ROUND BAR
- COLLAPSIBLE RAIL
- CONTINUOUS
- INTERCOSTAL

DETAIL DESIGNER



S&O MARITIME SERVICES PVT. LTD.

Cheriya Vappalassery
Mekkad PO, Nedumbassery (NH-544)
Ernakulam 683589, Kerala, India

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HOOGLY COCHIN SHIPYARD LTD

Satyen Bose Road, P.O. Danesh Sk. Lane,
Howrah - 711 109, West Bengal, India.

PROJECT/VESSEL
40T BOLLARD PULL TUG

YARD NO:
01124001/01224002/01324003/01424004

DRAWING NAME

FORECASTLE DECK GRATING ARRANGEMENT PLAN

DRAWING NO:
01124001/01224002-300-043

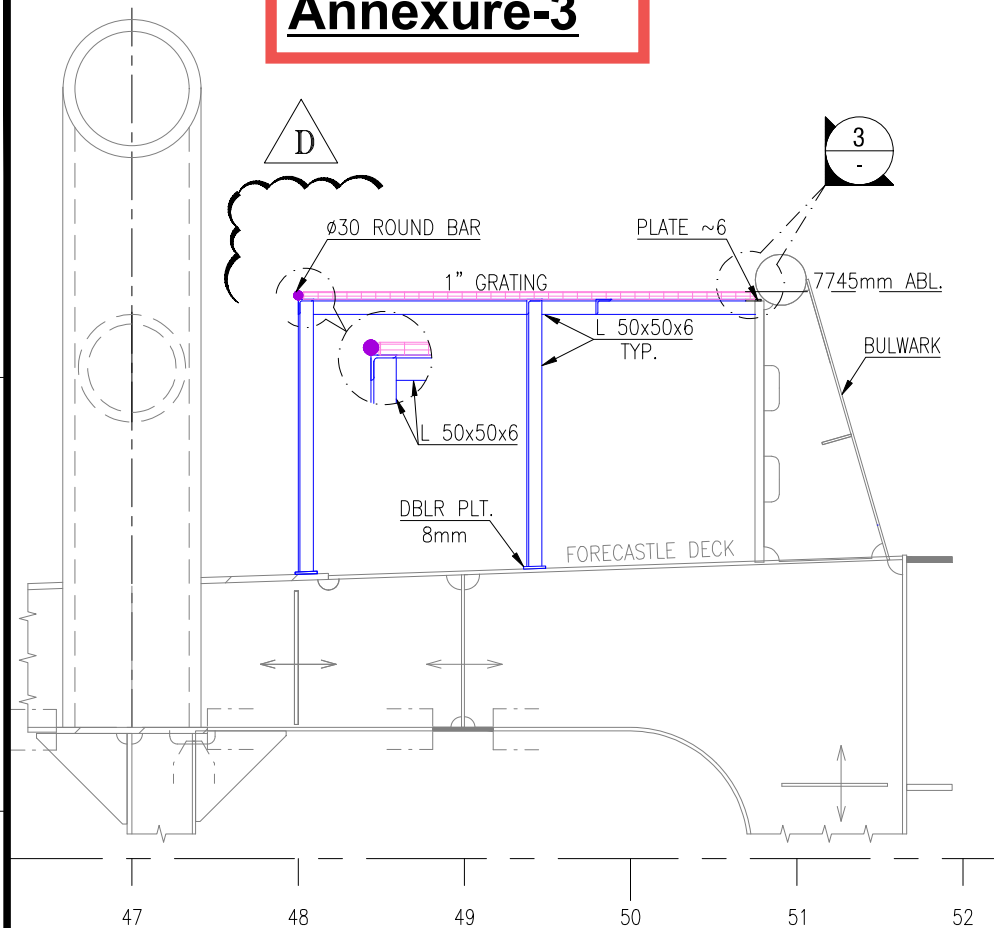
REV.
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SHEET
01 OF 04

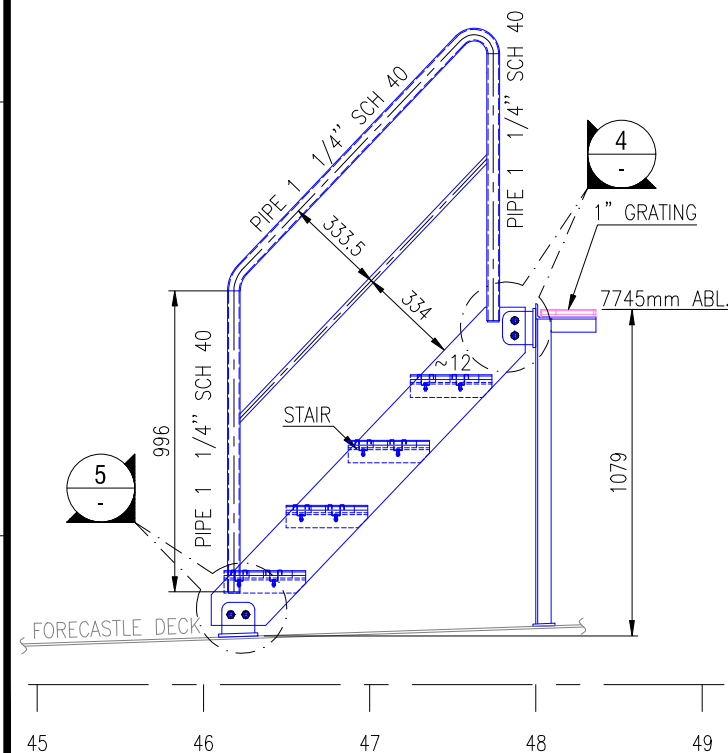
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SIZE
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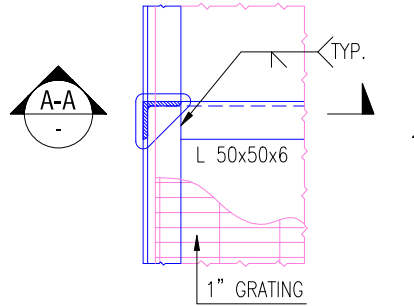
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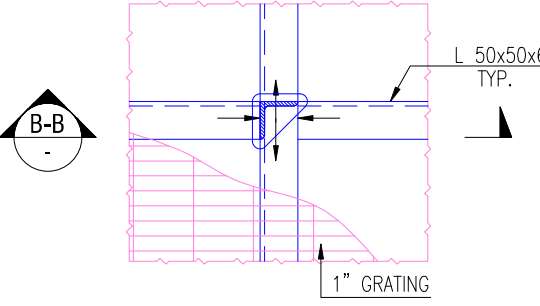
LONGI SECTION @ CL.
VIEW LOOKING PORT



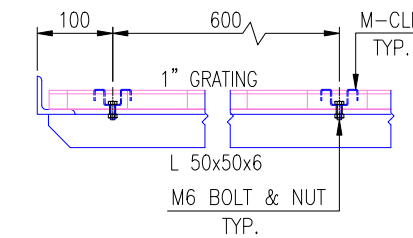
LONGI SECTION @ OFF CL 3477mm
VIEW LOOKING PORT



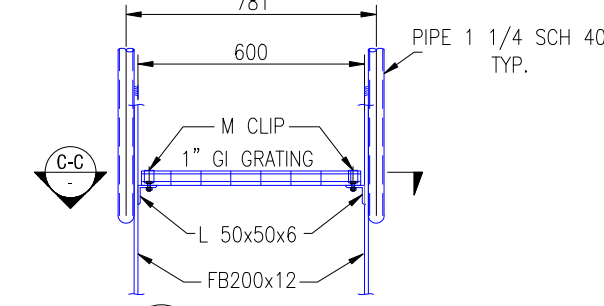
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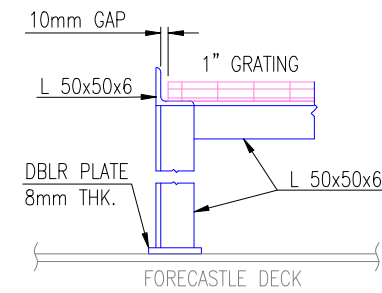
DETAIL-2
SCALE 1:10



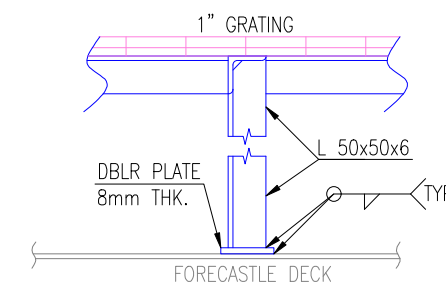
TYP. M-CLIP DETAIL
SCALE 1:10



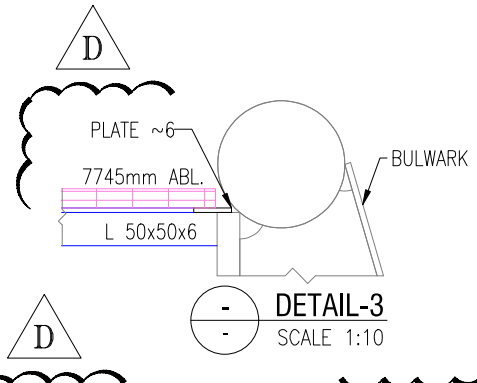
STEP DETAILS
SCALE 1:15



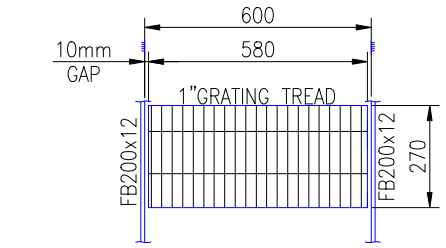
SECTION A-A
SCALE 1:10



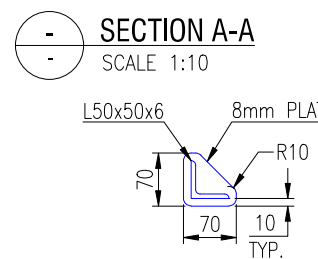
SECTION B-B
SCALE 1:10



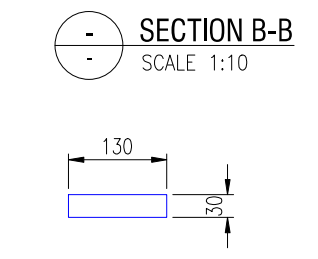
DETAIL-3
SCALE 1:10



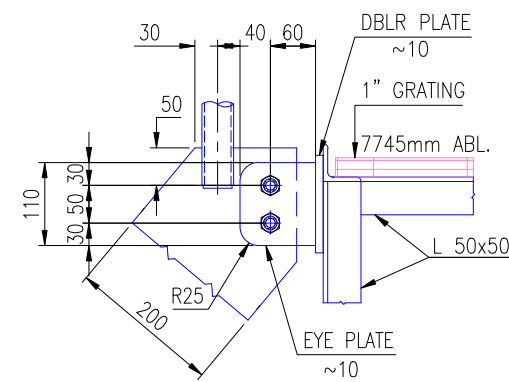
SECTION C-C
SCALE 1:20



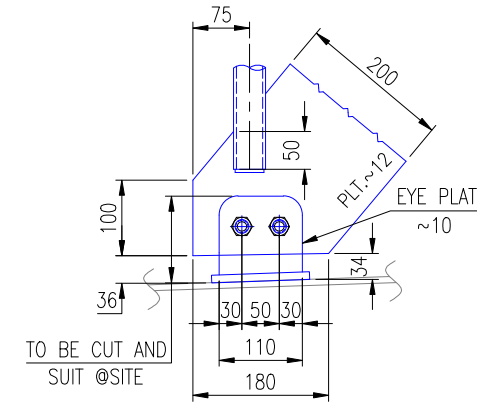
DOUBLER PLATE DETAIL
SCALE 1:10



~10 DBLR PLT.
SCALE 1:10



DETAIL-4
EYE PLT.1



DETAIL-5
EYE PLT.1

All dimensions in mm unless noted otherwise; Do not scale the drawing



S&O MARITIME SERVICES PVT. LTD.

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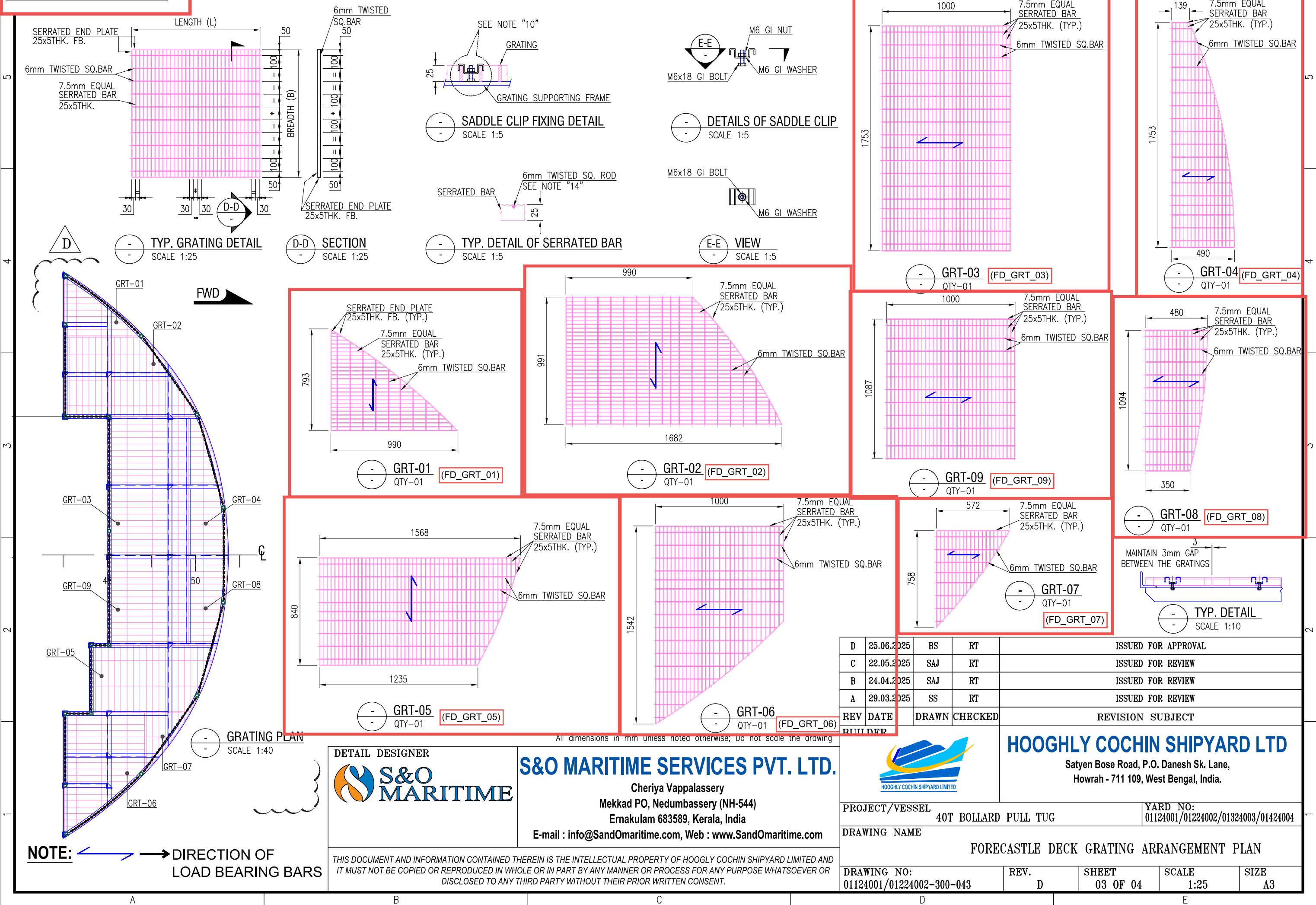
E-mail : info@SandOmaritime.com, Web : www.SandOmaritime.com

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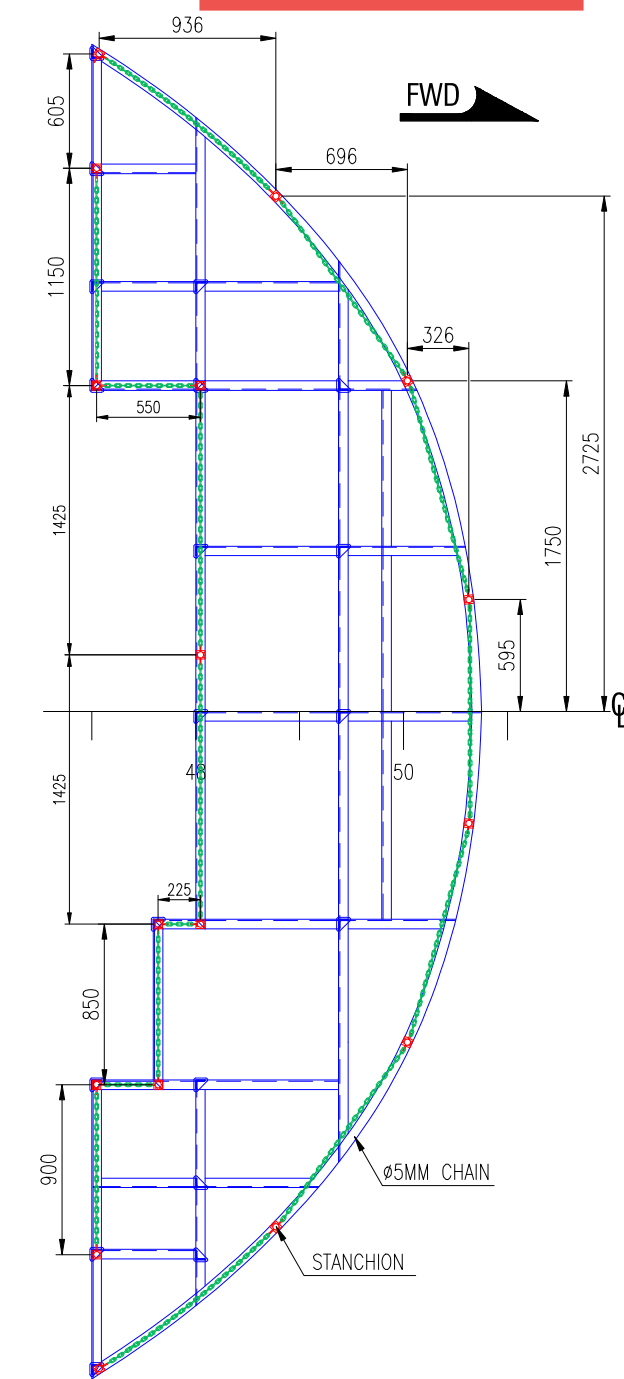
BILL OF MATERIALS						
Sl No.	Description	MATERIAL	THICKNESS (mm)	Length (m)	Area (m²)	QTY
1	L 50x50x6mm	IS 2062 Grade B		60		1
2	1" GRATING	IS 2062 Grade B			10.0	1
3	SADDLE CLIP CLIP (TO SUIT 1" GRATING)	SS 316				200 (APPROX)
4	M6 NUT & BOLT	SS 316		0.025		200 (APPROX)
5	DOUBLER PLATE 8mm THK.	IS 2062 Grade B	8			20 (APPROX)
6	DOUBLER PLATE 10mm THK.	IS 2062 Grade B	10			8 (APPROX)
7	PLATE 6mm THK.	IS 2062 Grade B	6		0.42	1
8	PLATE 12mm THK.	IS 2062 Grade B	12		1.17	1
9	PIPE 1 1/4" SCH 40	ASTM A53 GRADE B		6.5		1
10	ROUND BAR Ø20mm	IS 2062 Grade B		3		7.41
11	ROUND BAR Ø30mm	IS 2062 Grade B		4		22.20
Total Weight (kg)						264

D	25.06.2025	BS	RT	ISSUED FOR APPROVAL	
C	22.05.2025	SAJ	RT	ISSUED FOR REVIEW	
B	24.04.2025	SAJ	RT	ISSUED FOR REVIEW	
A	29.03.2025	SS	RT	ISSUED FOR REVIEW	
REV	DATE	DRAWN	CHECKED	REVISION SUBJECT	
BUILDER				HOOGLY COCHIN SHIPYARD LTD	
PROJECT/VESSEL				40T BOLLARD PULL TUG	
DRAWING NAME				FORECASTLE DECK GRATING ARRANGEMENT PLAN	
DRAWING NO:				REV.	SHEET
01124001/01224002-300-043				D	02 OF 04
				SCALE	SIZE
				1:25	A3

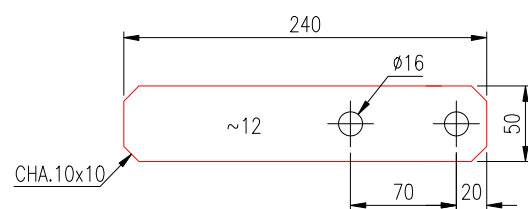
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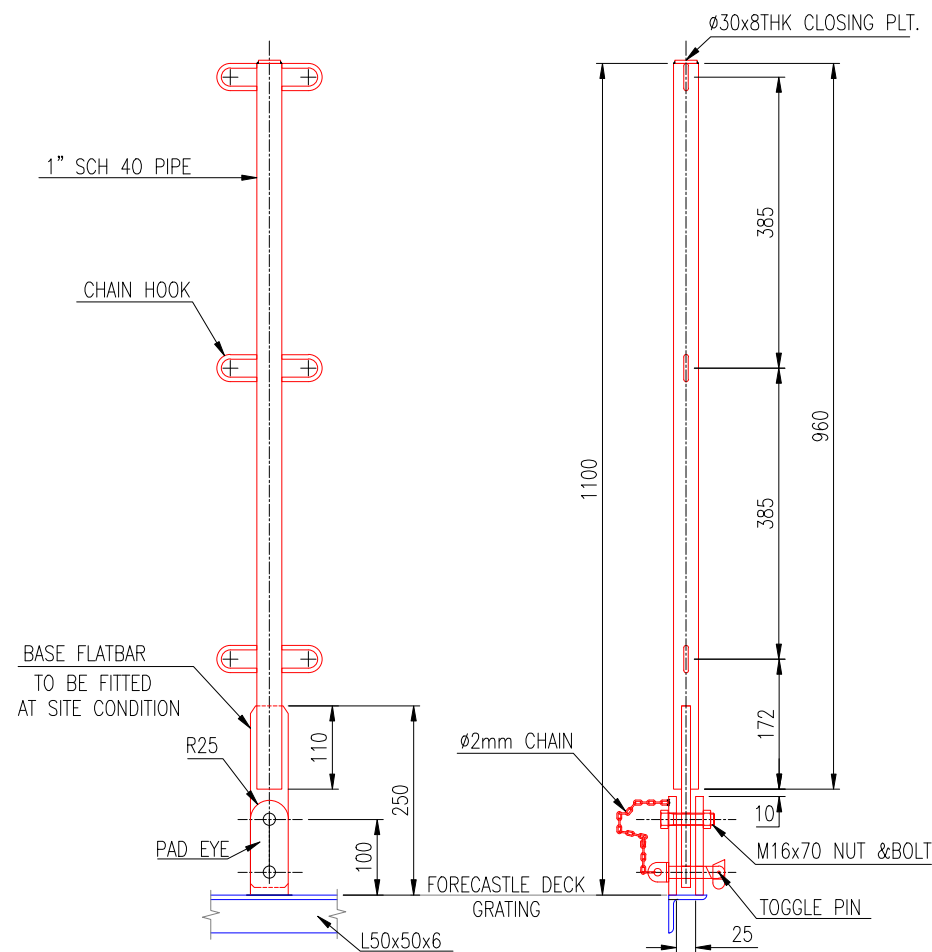
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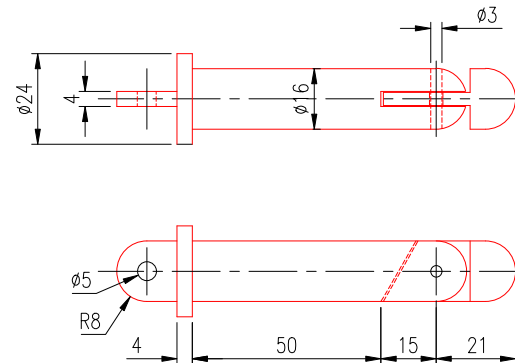
COLLAPSIBLE HAND RAIL ARRANGEMENT
SCALE 1:40



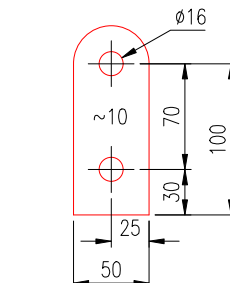
BASE FLATBAR
SCALE 1:5



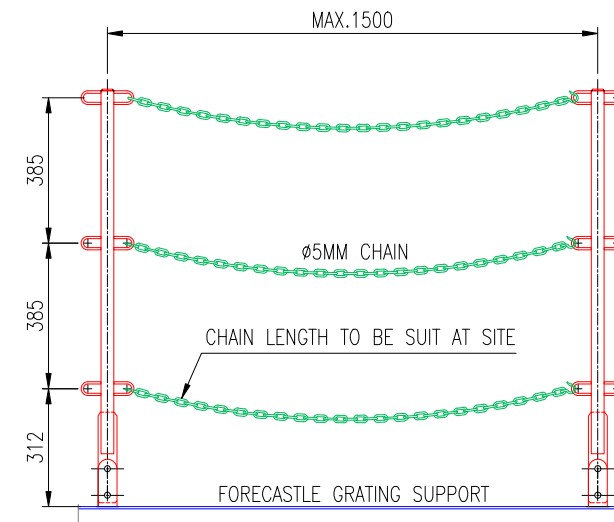
STANCHIONS DETAIL (TYP.)
SCALE 1:10



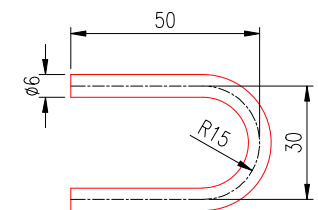
STEEL TOGGLE PIN
SCALE 1:2



 PAD EYE DETAIL
SCALE 1:5




COLLAPSIBLE RAIL ARRANGEMNT (TYP.)
SCALE 1:10



 **CHAIN HOOK**
SCALE 1:2

MTO FOR RAILS							
Sl No.	Description	Material	Thk.	Length (m)	Area (m ²)	QTY	WEIGHT (kg)
1	1" SCH 40 PIPE	ASTM A53 GR.B		0.96		17	40.8
2	FB12x50	IS 2062 GR.B	12	0.2	0.0128	17	20.5
3	10THK PADEYE	IS 2062 GR.B	10	0.125	0.0063	34	16.7
4	DIA 6 mm ROUND BAR	IS 2062 GR.B		0.12		102	2.7
5	M16x70 NUT & BOLT	SS 316		0.07		17	
6	TOGGLE PIN	IS 2062 GR.B		0.08		17	
7	DIA 5 mm GALVANIZED CHAIN	SS 304		46.5(Approx.)			
8	DIA 2 mm GALVANIZED CHAIN	SS 304		8.5(Approx.)			
Total Weight (kg)							81

D	25.06.2025	BS	RT	ISSUED FOR APPROVAL
C	22.05.2025	SAJ	RT	ISSUED FOR REVIEW
B	24.04.2025	SAJ	RT	ISSUED FOR REVIEW
A	29.03.2025	SS	RT	ISSUED FOR REVIEW
REV	DATE	DRAWN	CHECKED	REVISION SUBJECT
BUILDER 				HOOGLHY COCHIN SHIPYARD LTD Satyen Bose Road, P.O. Danesh Sk. Lane, Howrah - 711 109, West Bengal, India.
PROJECT/VESSEL 40T BOLLARD PULL TUG				YARD NO: 01124001/01224002/01324003/01424004
DRAWING NAME FORECASTLE DECK GRATING ARRANGEMENT PLAN				
DRAWING NO: 01124001/01224002-300-043			REV. D	SHEET 04 OF 04 SCALE 1:25 SIZE A3

DETAIL DESIGNER



S&O MARITIME SERVICES PVT. LTD.

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