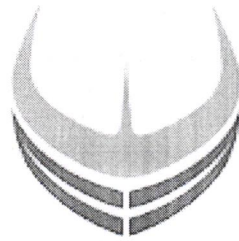


TENDER No.: UCSSL/CC/T/TUG/319-01A, DT: 17.02.2025

**TENDER FOR MACHINERY INSTALLATION, SHAFTING &
COMMISSIONING OF 70-TON BOLLARD PULL ASD-TUG**



UDUPI COCHIN SHIPYARD LIMITED

**UDUPI COCHIN SHIPYARD LIMITED
MALPE, UDUPI 576108**





UDUPI COCHIN SHIPYARD LIMITED
Tender for Machinery Installation, Shafting & Commissioning of 70Ton Bollard Pull ASD-Tug
UCSL/CC/T/TUG/319-01A, DT. 17-02-2025

TENDER NOTICE

Tender No. & date	UCSL/CC/T/TUG/319-01A, DT: 17-02-2025
Name of work	TENDER FOR MACHINERY INSTALLATION, SHAFTING & COMMISSIONING OF 70 TON BOLLARD PULL ASD-TUG
Last date & time of receipt of tender	28th FEBRUARY 2025 (FRIDAY), 16:00hrs
Date & time of opening of Technical Bid (Part-I)	28th FEBRUARY 2025 (FRIDAY), 16:00hrs

1. Password protected quotations in the prescribed form is invited from bidders for the work specified above, subject to the terms and conditions as mentioned in the annexure to the tender enquiry so as to reach the undersigned by email mentioned on or before the date and time as stipulated.

2. **The following shall be submitted along with the quote: -**

PART- I: TECHNICAL BID

- a. **Tender document duly signed on all pages** - Including Terms & conditions, Scope of work and indicative quantum of work placed at Annexure I, II and III respectively.
- b. **The Techno commercial Check List** at Annexure VII to be filled up completely and duly signed.
- c. Duly filled form at Annexure – V & IV.
- d. **Unpriced Price bid** (Price bid without price and marked as “QUOTED”) to be submitted along with Part-I.

PART-II: PRICE BID

- a. The price bids shall be prepared based on the price bid format at Annexure VI.

3. **Detailed Work Schedule:**

- i. The contractor should clearly indicate the time period in days required for the completion of construction of a single vessel including hull structural outfit activities and this committed period will be considered as primary element for the techno-commercial qualification of the bidders.

4. **Mode of Submission of Quote:**

- i. Bid shall be submitted as **Password Protected Zip File** in two parts.
 Part I: Technical Bid – with all enclosures and annexures as mentioned in Para 2 above
 Part II: Price Bid.
- ii. The files are to be forwarded as **Two (2) separate password protected Zip files** to contractcell@udupicsl.com





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- iii. **Part I and Part II are to be protected with separate and distinctly different passwords.**
- iv. The Bids will be opened on online mode during which the bidder will be advised to share the password through SMS with which the technical bid will be opened.
- v. The price bids will be opened after technical evaluation and **only the technically qualified bidders will be invited for opening of price bids** which shall also be conducted on online mode as above.
- vi. However, subject to travel restrictions, the bidders can also attend the bid opening physically at Udupi Cochin Shipyard Limited, Baputhotta Ware house complex Office.
- vii. The contractors can also submit the quotations in sealed covers (Two-Bid) – as separate sealed covers for Technical Bid and Price bid, both enclosed in a common sealed cover to reach the below mentioned address before the stipulated time.
5. The bidders shall ensure the receipt of bids at contractcell@udupicsl.com An acknowledgement mail shall be sent to the bidders on receipt of bids. UCSL takes no responsibility for delay, loss or non-receipt of tenders by mail by the stipulated time.
6. The tender should be addressed to the **Assistant General Manager (Material & Contract Cell), Udupi Cochin Shipyard Limited, Malpe Harbor Complex, Malpe, Udupi 576 108, Karnataka, India.**
7. No deviations on the tender conditions will be accepted, and bids with deviations will be considered technically disqualified. The acceptance of a tender or part thereof will rest with the Assistant General Manager (Materials), Udupi Cochin Shipyard Limited and the authority reserves the right to reject the tender received without assigning any reason.
8. Contact Person: Mr. Akhil R P (Manager-Contract Cell), Ph. No: +91 8129624149.

Assistant General Manager (Material & Contract Cell)

सोणि क्लेमेन्ट टी एम
SONY CLEMENT T M
 सहायक महाप्रबंधक / ASSISTANT GENERAL MANAGER
 उडुपि कोचीन शिपयार्ड लिमिटेड
UDUPI COCHIN SHIPYARD LIMITED
 माल्पे, कर्नाटक/MALPE, KARNATAKA-576 108





UDUPI COCHIN SHIPYARD LIMITED
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TERMS AND CONDITIONS

TENDER FOR MACHINERY INSTALLATION, SHAFTING & COMMISSIONING OF 70 TON BOLLARD PULL ASD-TUG

1. DESCRIPTION OF WORK

- 1.1. This tender enquiry pertains to the awarding of contract for "Machinery Installation, shafting & commissioning of UY-171 to UY-174 (04 No's) of 70T Bollard Pull ASD-Tug" to be built at **Udupi Cochin Shipyard Limited (UCSL)**, Malpe, Karnataka.
- 1.2. The work includes installation of all machinery, hot work, shafting, commissioning, survey and sea trial necessary to the satisfactory completion of works in accordance with the requirements of UCSL, Classification society and owner requirements.

2. ABOUT THE 70T BOLLARD PULL ASD-TUG:

Length O.A (Including fender) :	33.0 meter
Length B. P	: 31.0 meter
Breadth (MLD)	: 12.2meter
Depth (MLD)	: 5.4 meter
Draft (Hull)	: 3.9 meter
Complement	: 12 Persons
Bollard Pull	: 70T @ 100% MCR
Installed Power	: 2 x 1838 Kw
Gross Tonnage	: <500 GT
Class Notation	: IRS- SWATIKA SUL, TUG, SWASTHIK IY, INWATER SURVEY, AGNI 1 (2400 M3/Hr.)
Type	: Indian Coastal Vessel

3. METHOD OF AWARDING CONTRACT

- 3.1. Contract will be concluded with Bidder qualifying technically (including eligibility criteria), agreeing to Commercial conditions and emerging as L1.
- 3.2. This tender is for machinery installation, shafting & commissioning of 70-ton bollard pull ASD-tug and UCSL reserves the right to award work order on two different contractors for each Tug. The L1 bidder will be awarded with the construction of UY-171 (1st vessel) and the L2 bidder will be called for negotiation to meet the L1 bidder's rate to award work order for UY-172 (2nd vessel). In case L2 bidder is not willing to match L1 bidder's rate, L3/L4/L5 etc. bidders will be invited for the negotiation to match L1 bidder rate. If L2/L3/L4/L5 etc. are not willing to match with L1 bidder's rate, hence work order for construction of both vessels to be awarded to L1 bidder, same methodology of contract awarding will be followed for UY-173 & UY-174.
- 3.3. UCSL also reserves the right to split the optional work orders to any number of bidders willing to match with L1 rate, if the performance of selected bidder is not satisfactory.
- 3.4. UCSL reserves the right to cancel the tender if required.





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4. ELIGIBILITY CRITERIA

- 4.1. The Bidder shall be a single firm having experience in Turnkey Machinery Installation, shafting & commissioning in shipbuilding industries for minimum three (03) years.
- 4.2. The technical experience means "the experience of successfully completed/ongoing similar works (as per clause 4.1 above) for period of 3 years.
- 4.3. If the experience claimed by the bidder is of no relevance with respect to SI no.4.1, then such experience will not be considered for pre-qualification. Decision taken by UCSL in this regard will be final.
- 4.4. The average annual financial turn over should be at least Rs. 50 lakhs during the last financial year (Audited balance sheets showing turnover profit & loss account of the firm for the preceding FYs should be submitted).
- 4.5. The Bidder should furnish the required work-specific information and satisfactory documentary evidence such as copy of work order / agreement and a certificate from the employer for satisfactory completion of work or any other relevant document indicating completion of work shall be submitted to UCSL in support of its claim of experience.
- 4.6. Bidder shall not be under a declaration of ineligibility issued by Govt. of India/ State govt./ Public Sector Undertakings etc. The bidder shall not have been debarred / black listed by UCSL or by any of the Public Sector Undertaking or Government department etc.

5. SCOPE OF WORK

- 5.1. The machinery works, including all hot work, machinery installation, function test, load test, commissioning and sea trail necessary to satisfactorily complete the work in accordance with UCSL, Classification Society and Owner's requirements.
- 5.2. Refer **Annexure II and Annexure III** for detailed scope of work and indicative quantum of outfit structural works respectively
- 5.3. Infrastructure and Consumables: The contractor shall complete the work with the available infrastructure facilities and materials provided by Udupi Cochin Shipyard Ltd (UCSL) in accordance with the enclosed Specifications, delivery schedule and UCSL - General Terms and conditions in all respects.
- 5.4. Consumables:
 - Gases (DA, Oxygen, CO2 and Argon) will be provided free of cost by UCSL
 - Welding consumables: All welding consumable shall be provided by UCSL on chargeable basis. The charges applicable for welding electrodes are mentioned below:

Welding Electrodes	Rate
Flux Cored GMA (CO2) welding wire 1.2mm	Rs 278 Per kg
MIG Coil 671T 1C 1.2mm	Rs 159 Per kg
Welding electrode: E 6013: 2.5 mm	Rs 215 Per kg
Welding electrode: E 6013: 3.15 mm	Rs 156 Per kg
Welding electrode: E 6013: 4 mm	Rs 130 Per kg
Welding electrode: E 7018: 4 mm	Rs 130 Per kg
Welding electrode: E 7018: 3.15 mm	Rs 130 Per kg
SAW Filler Wire EHI 4mm Dia Coil	Rs 158 Per kg
SAW FLUX Wire 70, S2 2.4mm	Rs 113 Per kg

*The above prices are inclusive of GST @ 18%.





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- 5.5. Welding electrodes and gases used for fabrication / erection purposes will be supplied by UCSL only.
- 5.6. The work is to be carried out at the skid area allocated to the contractor (s) inside UCSL Malpe premises.
- 5.7. **You are requested to obtain clarifications, if any, and carefully study the documents and the scope of services and UCSL, before submitting your offer.**
- 5.8. The Agencies are advised to familiarize themselves with the site conditions before quoting.

COMMON REQUIREMENTS

- 5.9. The work will be undertaken by only qualified welders of the contractor. Towards this, UCSL will provide the WPS and PQR. Welders will have to be qualified by Class by UCSL. The subcontractor must pay for the welder qualification, testing and certification charges to UCSL on actuals. The contractor must retain the qualified welders till the completion of the project.
- 5.10. Work will be undertaken and inspected as per the quality standards provided by UCSL, and approved by CLASS and Owner of the vessels. The same may be seen prior bidding, if required. Copy of the standards will be provided while awarding contract.
- 5.11. Area and steel skids will be provided by UCSL, leveling of the skid will be undertaken by contractor to the satisfaction of UCSL QC. Required production aids shall be arranged by Contractors.

6. SCHEDULE OF COMPLETION OF VESSELS

- 6.1. UY-171 to UY-174 BP ASD-Tug installation of all machinery, hot work, shafting, commissioning, survey and sea trail to be completed within 06 Months from the date of commencement.
- 6.2. The contractor in turn shall submit their detailed scheduled of completion of the work, in consultation with the officer In-charge. The progress of work shall be made in tandem with the progress of completion of the vessel allowing sufficient time for other interface activities/works.
- 6.3. Yard has the right to change the schedules of the project to the interests of the company and the firm should be capable of adjusting the resources according to the instructions from the Yard contact person.
- 6.4. Detailed working schedule (Weekly/monthly) etc. to be prepared and submitted to yard personnel. However, a detailed overall schedule, in a reasonable manner should be submitted prior to commencement of work.
- 6.5. The work is of urgent nature and hence the contractor should mobilize the team to start the work not later than fifteen (15) days from the date of placement of work order.

7. INSPECTION

- 7.1. The vessel shall be built under the classification of IRS only for UY 171,172, 174 and UY-173 will be built as dual class vessel IRS and ABS (Dual Class).





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- 7.2. Work will be undertaken and inspected as per the quality standards provided by UCSL, and approved by CLASS and Owner of the vessels.
- 7.3. The complete work must be carried out under the survey of UCSL, CLASS and Owners. The works are to be inspected and approved by UCSL initially and thereafter presented to CLASS and the Owner for their survey and approval.
- 7.4. All welding machines are to be calibrated.
- 7.5. All test and Inspections shall be carried out as per approved Quality Plan.
- 7.6. All correspondence with the Shipyard to be in English language, including documents and plans to be in English language and in metric units.

8. VALIDITY

- 8.1. The offer shall be valid for a period of 06 months and no escalation in rate shall be allowed by UCSL on whatsoever reason.

9. RATE

- 9.1. Rates are to be quoted in the Price Bid Format at Annexure VI attached herewith.

10. PAYMENT TERMS

- 10.1. Payment will be made in 5 stages:

Stage I: 20% of Total contracted value per vessel

Deliverables: Completion of all the equipment installation including necessary fastening.

Stage II: 25% of Total contracted value per vessel

Deliverables: Completion of successful launching of vessel.

Stage III: 25% of Total contracted value per vessel

Deliverables: Successful Completion of Basin trail.

Stage IV: 20% of Total contracted value per vessel

Deliverables: Successful Completion of Sea trail & Bollard pull Test.

Stage V: 10% of Total contracted value per vessel

Deliverables: Successful Delivery of vessel.

- 10.2. Payment shall be made on the basis of certification by UCSL officer in-charge.
- 10.3. The payment shall be made within 30 days from submission of invoice along with the work completion certificate.
- 10.4. All claims for payment for the work/additional work shall be submitted by the contractor within one month of completion of work.
- 10.5. Payment will be made by RTGS/NEFT to the account of Agency. The name of the bank, branch, A/C No., IFSC code & other particulars shall be furnished by the Agency in the proforma of UCSL.





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11. TAXES & DUTIES

11.1. GST shall be applicable extra on the prescribed work. You are requested to furnish the following details in the invoice/Bill.

- Applicable rate of GST/SAC Code
- Firms GST Reg. NO.
- Service accounting code (SAC) as prescribed by statutory authorities.
- GST Reg. No. of Udupi Cochin Shipyard Limited(**29AAACT1281B1ZO**).

12. SECURITY DEPOSIT

12.1. The successful tenderer shall remit 5% of the value of the contract as security deposit within 15 days of receipt of the work order. This amount may be remitted by way of demand draft or bank guarantee (in approved proforma of UCSL) from any of the nationalized banks, valid till the satisfactory completion of the entire work. The Security Deposit will be released on certification of satisfactory completion of the contract and no liability to UCSL by Officer-in charge. The Security Deposit retained will not bear any interest.

13. PERFORMANCE GURANTEE

13.1. The complete work carried out by the contractor shall be guaranteed against defective on poor workmanship for a period of three months from the date of completion of work or till delivery of that vessel, whichever is earlier. Any work found defective during this period is to be repaired entirely at the contractor's cost at the vessel's location and such repaired items shall be guaranteed for a further period of three months from the date of repair.

13.2. Should any unsatisfactory performance and / or damage or failure occur due to poor workmanship and poor-quality material used by the contractor, the contractor shall be solely responsible for payment/reimbursement of expenditure incurred by Ship owner for rectifying the defect.

13.3. Towards this, a performance guarantee equivalent to 5% of the value of the contract to be furnished by the contractor on completion of the works by way of a bank guarantee (in approved proforma of UCSL, from a nationalized bank valid till the expiry of the guarantee period. In case the contract fails to submit the PG in time, SD mentioned at Clause 11 will be retained till the expiry of guarantee period.

14. LIQUIDATED DAMAGES

14.1. The progress of work will be monitored against the mutually agreed detailed schedule. Liquidated damages for delays in execution of the work beyond the scheduled date of completion, for any reason other than force majeure conditions, will be recovered at the rate of half percent of the value of the contract per week or part thereof, subject to a maximum of ten (10) percent of the value of the contract.

14.2. For better clarity, order values mentioned in LD clause are values excluding duties and taxes (Basic value). Liquidated damages, if any, shall be decided and settled only after the completion of the entire project but prior to the release of Final stage Payment.

14.3. If, for any reasons, supplier has a justification towards delay in supply / work execution and would intend to consider applicability/ non applicability of LD, the same shall be intimated to UCSL by way of a letter, failing which it will be deemed that delay is attributable to the supplier.





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14.4. Delay in supply/Interruption of the work for reasons not attributable to supplier shall entitle extension of the order execution period for proportionate period without any additional cost to UCSL.

15. POWER OF ATTORNEY

15.1. The tenderer(s) shall have to sign in each page of the tender documents with official stamp as a token of his acceptance of the conditions stated therein.

15.2. The person signing the tender form on behalf of another or on behalf of a firm, shall enclose to the tender, a Power of Attorney or the said deed duly executed in his favour or the partnership deed giving him such power showing that, he has the authority to bind such other persons or the firm, as the case may be, in all matters pertaining to the contracts. If the Person so signing the tender, fails to enclose the said Power of Attorney, his tender shall be liable for being summarily rejected. The Power of Attorney shall be signed by all partners in the case of partnership concern, by the Proprietor in the case of a proprietary concern, and by the person who by his signature can bind the company in the case of a Limited Company.

16. TERMINATION & LIMITATION OF LIABILITY

16.1. This contract may be terminated upon the occurrence of any of the following events

16.2. By agreement in writing of the parties hereto;

16.3. By the non-defaulting party, upon default by the other party, of any clause of this contract, if not remedied within fifteen (15) days, or such longer time as may be agreed upon by the parties, after receipt of notice thereof in writing from the non-defaulting party;

16.4. By the other party, upon either party;

- i. Making the assignment for the benefit of creditors, being adjudged a bankrupt or becoming insolvent; or
- ii. Having a reasonable petition filed seeking its' dissolution or liquidation, not stayed or dismissed within sixty (60) days; or
- iii. Ceasing to do business for any reason.

16.5. For fraud and corruption or other unacceptable practices.

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

16.7. UCSL may by notice in writing to Agency to terminate the order after issuing due notice i.e., 30 days' notice period. UCSL shall be entitled to compensation for loss limited to the order value.

16.8. Liability maximum that can be claimed by the Agency shall be limited to what is due to be and has been paid by UCSL for work done as per the payment milestones and limited to work order value.

17. ARBITRATION & JURISDICTION

17.1. Any disputes arising during the period of the contract shall, in the first instance be settled by mutual discussions and negotiations. The results of such resolution of dispute shall be incorporated as an amendment to the contract, failing which supplier shall approach the UCSL Grievance Redressal Committee as per relevant clause of the Contract.





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17.2. If any dispute, disagreement or question arising out of or relating to or in consequence of the contract, or to its fulfillment, or the validity of enforcement thereof, cannot be settled mutually or the settlement of which is not herein specifically provided for, then the dispute shall within thirty days from the date either party informs the other in writing that such disputes, disagreement exists, be referred to arbitration. The arbitrators shall be appointed and the arbitration proceedings shall be conducted in accordance with and subject to the Arbitration and Conciliation Act, 1996 (No. 26 of 1996) as amended from time to time and the decision of the Arbitrators shall be final and binding on the parties hereto. The arbitration will be done by a Board comprising one 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.

17.3. Seat & Venue of Arbitration: The seat & venue of arbitration shall be at Bangalore.

17.4. Language of Arbitration: The Language of arbitration shall be English.

17.5. Governing Law: The contract shall be governed by Indian Law

17.6. In case of disputes, the same will be subjected to the jurisdiction of courts at Bangalore, Karnataka.

18. SUB CONTRACTING AND ASSIGNMENT

18.1. Contractor shall not assign or transfer the Purchase Order/ Work Order or any share or interest therein in any manner or degree to any third party without the prior written consent of UCSL.

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

19. SECRECY & RESTRICTION ON INFORMATION TO MEDIA

19.1. The information contained in the enquiry as such shall NOT be communicated to any third party without prior approval of UCSL.

19.2. Information in respect of contracts/orders shall NOT be released to the national or international media or anyone not directly involved in its execution without the written approval of UCSL.

20. CANCELLATION OF ORDER AND RISK CONTRACTING

20.1. In the event the Agency fails to complete the work promptly and satisfactorily as per the terms of the order, and if any work is delayed beyond thirty (30) days from the agreed schedule, UCSL, without prejudice, reserves the right to cancel the order and get the work done at Agency's cost and the expenditure so incurred including any damage or loss will be recovered from him and the Security Deposit furnished by him is liable to be forfeited either in whole or in part.





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20.2. UCSL also reserves to right to impose penalties ranging from Rs. 100 to Rs.500 to the employees of agencies and will be deducted from the bills, for any habitual offence on the cleanliness of uniforms, lack of obedience, not attending the tasks etc., and will be to the discretion of the Officer in charge for the work.

21. FORCE MAJEURE

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

22. STORAGE OF MATERIAL AND EQUIPMENT

22.1. The Contractor shall arrange the storage of the materials/ equipment etc. if any, at a suitable location assigned by UCSL and shall ensure the safe and secure possession and handling of the items thus handed over to contractor. UCSL shall allot storage space within UCSL premises, if available.

22.2. As regards the equipment/materials stored by him as above as also in use by him, UCSL will not be responsible for any damage, pilferage, accident that may take place during the course of execution of the work. It will be entirely his responsibility to keep all the equipment, materials etc., in safe custody as also hold them duly insured at his expense.

23. IMS GUIDELINES

23.1. UCSL implemented an Integrated Management System (IMS) and the Quality Management System (QMS) within the yard. As part of IMS, subcontractors shall comply with the following measures related to the Quality, Health, and Safety & Environment (QHSE) policy of UCSL.

- a) Meeting or exceeding customer requirements.
- b) Assuring quality of the products and service.
- c) Preventing occupational ill health & injuries.
- d) Ensuring safe work sites.
- e) Conserving natural resources.
- f) Preventing / minimizing air, water & land pollution.
- g) Handling and disposal of Hazardous wastes safely.
- h) Complying with statutory & regulatory and other requirements.
- i) Developing skills and motivating employees.

23.2. Occupational Health, safety & Environmental requirements of UCSL shall also include the following.

- a) The contractor (or a sub-contractor performing work on behalf of the contractor) is deemed to comply with the Occupational health, safety and environmental policy of the company and also to all operational controls/standard operating procedures and shall undertake the work in total compliance with the requirements of the established Integrated Management System (IMS) of the company.





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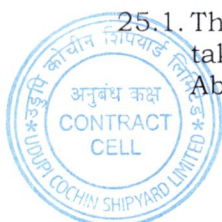
- b) The Contractor shall undertake the work in total compliance with all applicable legal/statutory requirements related to occupational health, safety and environment effective in the state of Karnataka.
- c) It is the sole responsibility of the contractor to assure that any sub-contractor/s who shall perform works in company lands/facilities/worksites on behalf of the contractor, is also following all requirements related to the Integrated Management System of the company and the health/safety/environmental Rules effective in the state.
- d) The contractor shall provide/implement and operate/practice all occupational health, safety and environmental management measures/facilities, for their period of contract, in their activities/at their work sites, which shall be required according to the IMS of the company or that required by the health/safety/environmental Rules established and effective in the state, at their own cost.
- e) If any contractor failed to comply with or violated any clauses/requirements of occupational health, safety and environmental Rules effective in the state, in their activities or at work sites and the same shall be exposed to the government or any competent authorities upon inspections, the contractor shall be solely responsible for all liabilities caused by his/her action and shall be responsible for paying the penalty and taking stipulated corrective actions insisted by the authorities within the specified time, at their own cost. Any liability to the company in this regard needs to be compensated by the contractor.
- f) Upon completion of the work, contractor shall clear the area and shall not leave any Occupational health/safety/environmental liabilities to the company, from their activities at the worksites.
- g) Any clarification related to IMS requirements of the yard, may be obtained by the contractor from the AGM (HSE) or the authorized representative of the contract, prior to the commencement of work.

24. SAFETY OF PERSONNEL AND FIRST AID

- 24.1. 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. A copy of UCSL's "Safety Rules for Contractors (Revised)" is available with HSE department for reference.
- 24.2. The Agency may arrange to suitably insure all his workmen/ other personnel in this regard. UCSL will not be responsible for any injury or illness to the Agency's workmen/other personnel during execution of the works due to whatsoever reasons.
- 24.3. In this regard, the Contractor will have to fully indemnify UCSL against any claims made by his workmen/other personnel
- 24.4. The Agency 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 labor for executing the works.

25. LABOUR LAWS AND REGULATIONS

- 25.1. The Agency shall undertake and execute the work with contract Labor only after taking license from the appropriate authority under the Contract Labor (Regulation & Abolition) Act 1970.





UDUPI COCHIN SHIPYARD LIMITED
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- 25.2. The Agency 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 & 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 him and his workmen employed by him. The Agency shall inform UCSL his license number from the Central Labour Commissioner.
- 25.3. All Persons, 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 personnel in the Company. In Case 1, All such insured Persons should carry with them their ESI Identity Card for verification by the authorities. No Persons without a valid ESI Identity Card for verification by the authorities will be permitted to work in the company.
- 25.4. The Agency 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 Contract cell 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.
- 25.5. The Agency 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.
- 25.6. If the Agency fails to pay any contributions, charges or other amounts payable under any of the aforementioned provisions of law, UCSL shall deduct or adjust amounts equivalent to such contribution, charges or amounts from amount payable to him by UCSL, 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 UCSL.
- 25.7. Any other amount payable under any law or in respect of any person employed by the Agency, if not paid by him, shall be deducted or adjusted by UCSL out of any amount payable to the Agency including any Security Receipt and paid ever or withheld for payment by UCSL.
- 25.8. The Agency 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 Agency shall take appropriate action against such workmen. The Agency shall abide by the instructions/ guidelines issued by the Company for maintenance of discipline and good conduct among the workmen employed by him.
- 25.9. All persons who are engaged for various works in UCSL either directly or through Agency/contractors, should produce the following documents prior to issuing their entry passes:
- 25.10. Passport/Aadhaar attested copy of passport 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.)





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25.11. Application and Declaration for enrolling under Employees Provident Fund and ESI Scheme- 3 individual passport size photographs and two copies of family photographs of the members.

25.12. **Agency shall familiarize themselves with the labour rules & regulations.**

26. ELECTRICITY RULES AND REGULATION

26.1. The contractor shall adhere to the various rules in respect of electrical installation as per the Indian Electricity Rules and Regulations and Electrical Inspectorate Standards in order to make sure that men and materials are safe from hazards.

27. OVERWRITING & CORRECTIONS

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

28. OTHER TERMS & CONDITIONS

28.1. Quality of services shall conform to the specification/ standards laid down by UCSL.

28.2. UCSL reserves the right to accept / reject any offer.

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

28.4. During the evaluation of tender, officer-in-charge may seek clarifications from the bidders. Clarification if any shall be given in writing/e-mail. Officer-in-charge's decision will be final and binding on the bidder.

28.5. Compliance of all statutory safety requirements and other safety rules stipulated by UCSL and other applicable statutory bodies shall be the responsibility of the Agency while working at UCSL premises. The Agency should ensure that their workmen and staff are adequately covered under Insurance.

28.6. Damages caused to the Shipyard properties/tools/accessories should be rectified by the Agency at his cost or proportional recoveries will be made from the Agency while passing their bills for payment.

28.7. The service provider shall have to engage men on round the clock basis and also on Sundays and holidays. Service has to be completed to the satisfaction of Udupi Cochin Shipyard Limited officer in-charge.

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

28.9. The service provider shall also be governed by the General Conditions of Contract of UCSL, General Safety Rules and other relevant labour laws.

28.10. The upper age limit of all workers and supervisors employed by the Agency and those Agency who do or supervise the job themselves shall be as per the prevailing rules of UCSL and shall comply to the requirements of this tender.





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- 28.11. Assistant General Manager, or his authorized representative will be the Officer-in-charge of these contracts.
- 28.12. Local Suppliers (Make In India), MSME firms and Startups will be eligible for various Relaxations in pre-qualification criteria and other Benefits as per the orders promulgated by Government of India. Bidders are advised to refer the details of various Benefits and Relaxation in pre-qualification criteria as published at CSL website (www.cochinshipyard.in) under the Tenders tab for further reference.
- 28.13. 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 and Order no 3 dt 24.7.2020.





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SCOPE OF WORK

TENDER FOR MACHINERY INSTALLATION, SHAFTING, & COMMISSIONING OF 70T BOLLARD PULL ASD-TUG

1. SCOPE OF CONTRACTOR:

- 1.1. The scope of work includes Machineries Installation including foundation drilling, proper flat seating of equipment and support fitment as required, Alignment of main propulsion and its accessories fitment, commissioning of onboard equipment's and mechanical systems, which is integrated with piping and tanks, assistance as required for the rectification of issues and satisfactory completion of works in accordance with the requirements of UCSL, Classification society and owner requirements for the following systems.

Propulsion system
Power Generation system
Rescue boat Davit
Bilge/ Fire System
Black& Grey Water System
CO2 System (Engine Room)
Compressed Air System
Fresh Water System
Fuel Oil System
Lube Oil System
Machinery Cooling System
Oily Water& Sludge System
Potable Water System
External Fi-Fi & Water Spray System
Oil Dispersant System
Anchor & Mooring
Deck Crane Hydraulics
MGPS
Engine Room workshop Items
Hydraulic system for collapsible mast

2. SCOPE OF UCSL:

- 2.1. Supply of drawings & materials for Machinery works for the mentioned scope of work.
- 2.2. Providing Electricity, Water, compressed air (at available pressure), and Welding gases at centralized points.
- 2.3. Services of cranes and forklifts will be provided.
- 2.4. Required space for storage of materials inside the Yard.
- 2.5. Space for positioning of contractor's office container if any. Power and water supply will be provided to the container, within the yard premises





3. WORK PROCEDURE

- 3.1. Necessary job instructions, drawings etc. for the work will be issued by UCSL.
- 3.2. Contractor is to carry out the work as per the specifications / drawings supplied, and to the satisfaction of UCSL.
- 3.3. Contractor should maintain the quality as per UCSL Quality Standards, yard quality procedures. Inspection will be carried out during fabrication by UCSL.

4. EQUIPMENT/MACHINERY ERECTION, INSTALLATION AND COMMISSIONING.

- 4.1. Material collection and movement from yard store locations.
- 4.2. Rigging, leading and positioning of equipment/ machinery items.
- 4.3. Fitment and removal of temporary Lifting Lugs/Hooks required for the movement and rigging of the equipment will be under scope of contractor.
- 4.4. Major Equipment foundation, support fabrication and fitment will be provided by UCSL. Minor equipment foundation, support fabrication and fitment will be under contractor scope as per requirement.
- 4.5. Surface preparation, drilling, Tapping and torquing fitment of equipment/machinery items as per drawing requirement.
- 4.6. Necessary tools and tackles required for the installation, fitment and commissioning of equipment and machinery is under contractor's scope.
- 4.7. Installation, alignment and fixing of equipment/machinery Items as per approved drawing.
- 4.8. Set to work, commissioning/commissioning assistance as per the yard requirement for the various equipment/machinery items.
- 4.9. Ensure satisfactory completion of works in accordance with the requirements of UCSL, Classification society and owner requirements.
- 4.10. Removal and fitment of necessary equipment parts for installation purpose.
- 4.11. Installation of CO2 system (engine room firefighting) including instrumentation job as per requirement.
- 4.12. Instrumentation work including fitment of pressure gauge, pressure transmitter, temperature gauge & other items and its PT tubing as per the requirement.
- 4.13. Welding monitoring of propulsion equipment as per the requirement.
- 4.14. Deck crane installation, functional test and load test as per the protocol.
- 4.15. Rescue boat and davit installation, commissioning and load test as per protocol.
- 4.16. Assistance for main winch bollard test as per protocol.
- 4.17. Capstan and towing hook load test as per protocol.
- 4.18. Assistance for fuel oil, lube oil and water filling as per requirement.
- 4.19. Installation and functional test of Towing Hook wire rope type release mechanism.





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- 4.20. Equipment covering and protection until the delivery of the vessel.
- 4.21. Assistance for basin trial, sea trial & bollard pull test as per approved Inspection protocol.

5. SHAFTING AND ALIGNMENT SCOPE

- 5.1. Initial sighting and shafting for main propulsion system includes Azimuth Thruster Z-Drive, Main engine and fi-fi pump.
- 5.2. The shafting and alignment work including cardan shaft alignment will be carried out as per OEM procedure and parameters under the UCSL guidelines.
- 5.3. Azimuth thruster Z-drive installation supports and locking fabrication, positioning and locking in coordination with hull team for the final alignment and welding.
- 5.4. Jigs and fixtures fabrication as per the alignment requirement.
- 5.5. Necessary tools required for the shaft sighting for shafting will be in contractor scope.
- 5.6. Removal and fitment of necessary equipment parts for installation purpose.
- 5.7. Surface preparation, drilling, tapping, torquing and fitment and its accessories as per approved drawing provided by OEM/UCSL.
- 5.8. Choke-fasting for main engine, FiFi pump, thrust bearing and intermediate shaft bearing as per requirement. Material supply will be under UCSL scope. And installation of stuffing box.
- 5.9. Equipment covering and protection until the delivery of the vessel.
- 5.10. Hose testing/Leak Testing of underwater jobs, shall be done according to requirements.

6. THE SCOPE OF THE CONTRACTOR ALSO INCLUDES:

- 6.1. Collection, Transportation/unloading of materials / other equipment's from UCSL shops/store to contractor's site/skid in UCSL premises.
- 6.2. Arranging required necessary tools and tackles in order to execute the work like steel rules, punches, hammers, jacks, grinders, hydraulic jacks, chain block pulleys, drilling machine, bore cutters with suitable drill set and tap set etc. as per requirement
- 6.3. Arranging local material handling facilities like pulley blocks and other material movement tools.
- 6.4. Maintaining the required Dimensional accuracy and other standards as per UCSL Quality Standards.
- 6.5. Work execution should be carried out by qualified workmen having prior experience handling the same nature of scope.
- 6.6. Prior to initial start of equipment cleaning & housekeeping of same to be done.





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- 6.7. Minor damage rectification of equipment parts as per requirement.
- 6.8. Providing all personnel protective items like safety helmets, gloves, welding shields, goggles, leg guards, safety belts, aprons, safety shoes etc. to their employees.
- 6.9. Attending weekly quality and safety patrol along with a UCSL officer, the observations are required to be closed within 7 days.
- 6.10. Ensuring best HSE practices at site during the construction of vessel, which includes mandatory work permits/certifications/approvals in accordance with the prevailing guidelines in UCSL.

7. ADDITIONAL WORKS

- 7.1. Additional works up to 5% growth of work on the Machinery items in terms to be envisaged and is to be undertaken without any additional price impact.
- 7.2. Any minor modifications, resulting from the change in statutory regulations prevailing at the time of final inspection of work by Classification Society, to be carried out by the Contractor free of cost. In case of rework/modification/additional work, written consent is to be obtained from the Officer-in-charge before commencement of the work.
- 7.3. Contractor shall carry out the complete work in accordance with Shipyard's approved drawings. Any minor modifications from drawing or any other work or supply of material, which is not specified hereunder, but is considered incidental and essential for the successful completion of the job shall be carried out by the Contractor without any additional charge.
- 7.4. Contractor shall execute, during or after completion of the work, any minor job connected with the work, that is considered necessary by Shipyard and/or Classification Society.
- 7.5. The contractor shall be responsible for any damage caused to the material supplied by UCSL. Compensation with penalty for damage or loss of the item will be recovered from the Contractor, in the event of loss or damage.





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INDICATIVE QUANTUM OF MACHINERY WORKS

TENDER FOR MACHINERY INSTALLATION, SHAFTING, & COMMISSIONING OF 70T BOLLARD PULL ASD-TUG

The following equipment alignment, installation, function test & Load test to be carried out and offered to UCSL/TPI as per protocol.

SL NO	Category	Item Description	Specifications	Qty	Tentative Weight (Kg)
1	Air Compressors	Air Compressors	15m ³ /hr at 30bar	2	270
2	Air Compressors	Air Water Separator for Air Compressors		1	<100
3	Bilge Educator	Bilge Educator	5m ³ /hr	1	<100
4	Breathing Air Compressor	Breathing Air Compressor		1	38
5	Centrifugal Pumps	Bilge / Fire Pumps	35m ³ /hr	2	190
6	Centrifugal Pumps	Emergency Fire Pump	25m ³ /hr	1	110
7	Centrifugal Pumps	Sewage Transfer Pump	3m ³ /hr	1	53
8	Centrifugal Pumps	Fresh Water Transfer Pump	5m ³ /hr	1	19
9	Centrifugal Pumps	Deck Machinery Cooling Pump	12m ³ /hr	1	<100
10	Centrifugal Pumps	Fresh Water Hydrophore Pump	3m ³ /hr	2	49
11	Centrifugal Pumps	Sea Water Hydrophore Pump	3m ³ /hr	2	49
12	Deck Crane	Deck Crane	3T @	1	7000
13	Deck Machinery	Mooring Capstan		1	980
14	Deck Machinery	Hydraulic Control Unit - Mooring Capstan		1	100
15	Deck Machinery	Anchor Windlass& FWD Towing Winch		1	10900
16	Deck Machinery	Local Control Console - Anchor Windlass		1	65
17	Deck Machinery	Hydraulic Control Unit - Anchor Windlass		1	<100
18	Deck Machinery	AFT Towing Winch		1	16580
19	Deck Machinery	Local Control Console - AFT Towing Winch		1	<100
20	Deck Machinery	Hydraulic Control Unit - AFT Towing Winch& Hook		1	<100





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SL NO	Category	Item Description	Specifications	Qty	Tentative Weight (Kg)
21	Deck Machinery	Chain Stopper		1	50
22	Deck Machinery	Hydraulic Power Pack for Deck Machinery		1	1400
23	Deck Machinery	AFT Towing Hook		1	1280
24	Deck Machinery	Anchor& Chain		1	445+
25	Diesel Generators	Main Diesel Generators	160ekW	2	2500
26	Diesel Generators	Harbor Generators	50ekW	1	522
27	Educator	Educator		1	<100
28	Engine Room Fire Fighting	CO2 System (Engine Room)		1	1016
29	External FiFi System	FiFi Pump	2800m3/hr	1	1300
30	External FiFi System	FiFi Monitors	1200m3/hr	2	180
31	FASTENERS	foundation bolts			<100
32	Hand Pumps	Bilge Hand Pump (for Rope Store)	3m3/hr	1	<100
33	Hand Pumps	Lube Oil Hand Pump (for Engine)	30LPM	1	<100
34	Hand Pumps	Lube Oil Hand Pump (for DG)	30LPM	1	<100
35	HVAC	HVAC Pump	80m3/hr	1	<100
36	Hydrophore Tank	Fresh Water Hydrophore Tank	200 L	1	330
37	Hydrophore Tank	Sea Water Hydrophore Tank	200 L	1	330
38	Main Engine	Lube Oil Priming Pump	15m3/hr	2	270 (Pump - 100 Motor - 270)
39	Mast Hydraulics	Hydraulic system for collapsible mast			300
40	ME, Shafting& Thruster	Main Engine	MCR ~1838kW at 750 rpm	2	Dry - 16000 Flexible Coupling - 103+ 392
41	ME, Shafting& Thruster	Azimuth Thruster	1838kW	2	25000
42	ME, Shafting& Thruster	Shafting System	1838kW	2	Bearings - 83kg/unit Cardan Shaft - 340kg/unit





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SL NO	Category	Item Description	Specifications	Qty	Tentative Weight (Kg)
43	ME, Shafting& Thruster	Air Receivers	200L	1	493
44	ME, Shafting& Thruster	Pressure Reduction panel for Main Engine	30bar to 7bar	1	
45	ME, Shafting& Thruster	Air Water Separator for Main Engine		1	
46	ME, Shafting& Thruster	Lube Oil Cooler	Shell& Tube Heat Exchanger	1	Dry - 384 Wet - 473
47	ME, Shafting& Thruster	Main Engine Fresh Water Oil Cooler	Shell& Tube Heat Exchanger	2	Dry - 265 Wet - 338
48	ME, Shafting& Thruster	Thruster Lube Oil Cooler	Shell& Tube Heat Exchanger	2	
49	ME, Shafting& Thruster	Thruster Hydraulic Oil Tank fitted with hydraulic pump& oil cooler and accessories.	Shell& Tube Heat Exchanger	2	230
50	MGPS	MGPS for FiFi Sea chest		1	
51	MGPS	MGPS for Main Sea chests		1	
52	Oil Dispersant System	Oil Dispersant Spray Arm		1	
53	Oily Water Separator	Oily Water Separator	0.5m ³ /hr at 15ppm	1	Dry 210 Wet 301
54	Positive Displacement Pumps	Fuel Oil Transfer Pump	8m ³ /hr	2	
55	Positive Displacement Pumps	Lube Oil Transfer Pump	2m ³ /hr	1	
56	Positive Displacement Pumps	Oily Water Pump	2m ³ /hr	1	
57	Positive Displacement Pumps	Sludge Pump	2m ³ /hr	1	
58	Rescue boat & Davit	Rescue boat & Davit		1	
59	STP	Sewage Treatment Plant (STP)	Biological Type	1	Dry 720 kg Wet 1900kg
60	STP	Grease Trap		1	Dry 96 kg Wet 310 kg
61	WORK SHOP	Engine room work shop items		1	
62	Calorifier	Calorifier		1	500kg
63		Installation of Quick closing valve		1	



UNCONDITIONAL ACCEPTANCE LETTER

(Unconditional acceptance to be given by in letter head)

ACCEPTANCE OF TENDER CONDITIONS

1. Tender Document no. UCSL/CC/T/TUG/319-01A, dated 17th February 2025 Tender for Machinery Installation, Shafting & Commissioning of 70 Ton Bollard Pull ASD-Tug at UCSL has been received by me/us and I/We hereby unconditionally accept the tender conditions of tender documents in its entirety for the above work.
2. It is further noted that it is not permissible to put any remarks/conditions in the tender enclosed in "Part-2 (price bid)". I/We agree that the tender shall be rejected and ACCEPTING AUTHORITY.

Yours faithfully,

(Signature of the tenderer) with rubber stamp

Date:



POWER OF ATTORNEY

(On Applicant's letter head)

(Date and Reference)

To
The Assistant General Manager (Materials & Contract Cell)
Udupi Cochin Shipyard Limited
Fishing Harbour complex, Malpe,
Udupi - 576 108.

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)





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UCSL/CC/T/TUG/319-01A, DT. 17th FEBRUARY 2025

TENDER FOR MACHINERY INSTALLATION, SHAFTING & COMMISSIONING OF 70T BOLLARD PULL ASD-TUG

PRICE BID

SL NO	WORK DESCRIPTION	QTY	UOM	TOTAL
1	Machinery Installation, Shafting & Commissioning of 70T Bollard Pull ASD-Tug as per the scope of work and Indicative list of work.	1	Shipset	
2		IGST/GST..... %		
3		GRAND TOTAL AMOUNT (INR)		
AMOUNT IN WORDS:				

Note:

1. L1 will be determined based on the quoted value at Sl. No: 01.
2. The above rates should be inclusive of all charges and no other extra rate will be admissible.

Signature:

Address of the contractor:

Seal:





UDUPI COCHIN SHIPYARD LIMITED
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ANNEXURE-VII
TECHNO COMMERCIAL CHECK LIST (To be submitted by the bidder)

(Bidders may confirm acceptance of the Tender Conditions/deviations if any to be specified)

SL No.	Tender Enquiry Requirements	Confirmation from bidder (Strike off whichever is not applicable)	Specific comments /Remarks
1	Terms & Condition, Scope of work & Indicative Quantum of Work. (Annexure-I, II & III)	Agreed as per tender /Do not agree	
2	Schedule	Agreed as per tender/Do not agree	
3	Unconditional Acceptance	Agreed as per tender/Do not agree	
4	Offer Validity	06 Months - Agreed as per tender/Do not agree	
5	Taxes & Duties	Specified/included in Price	
6	Payment terms - confirm		
a	As per Clause 10 of Annexure - I	Agreed as per tender/Do not agree	
7	Price shall remain firm and fixed and No Escalation in prices after awarding of contract	Agreed as per tender/Do not agree	
8	Security Deposit	Agreed as per tender/Do not agree	
9	Performance Guarantee	Agreed as per tender/Do not agree	
10	Force Majeure	Agreed as per tender/Do not agree	
11	Liquidated damages and cancellation of contract	Agreed as per tender/Do not agree	
12	Arbitration & Jurisdiction clauses	Agreed as per tender/Do not agree	
13	Confirm all other terms and conditions of our enquiry are acceptable.	Confirmed/Not confirmed	
14	Deviations from Tender conditions	No Deviations	

Signature:

Address of the Contractor:

Seal:



ROBERT ALLAN LTD.
MARINE ENGINEERS & SHIPBUILDERS



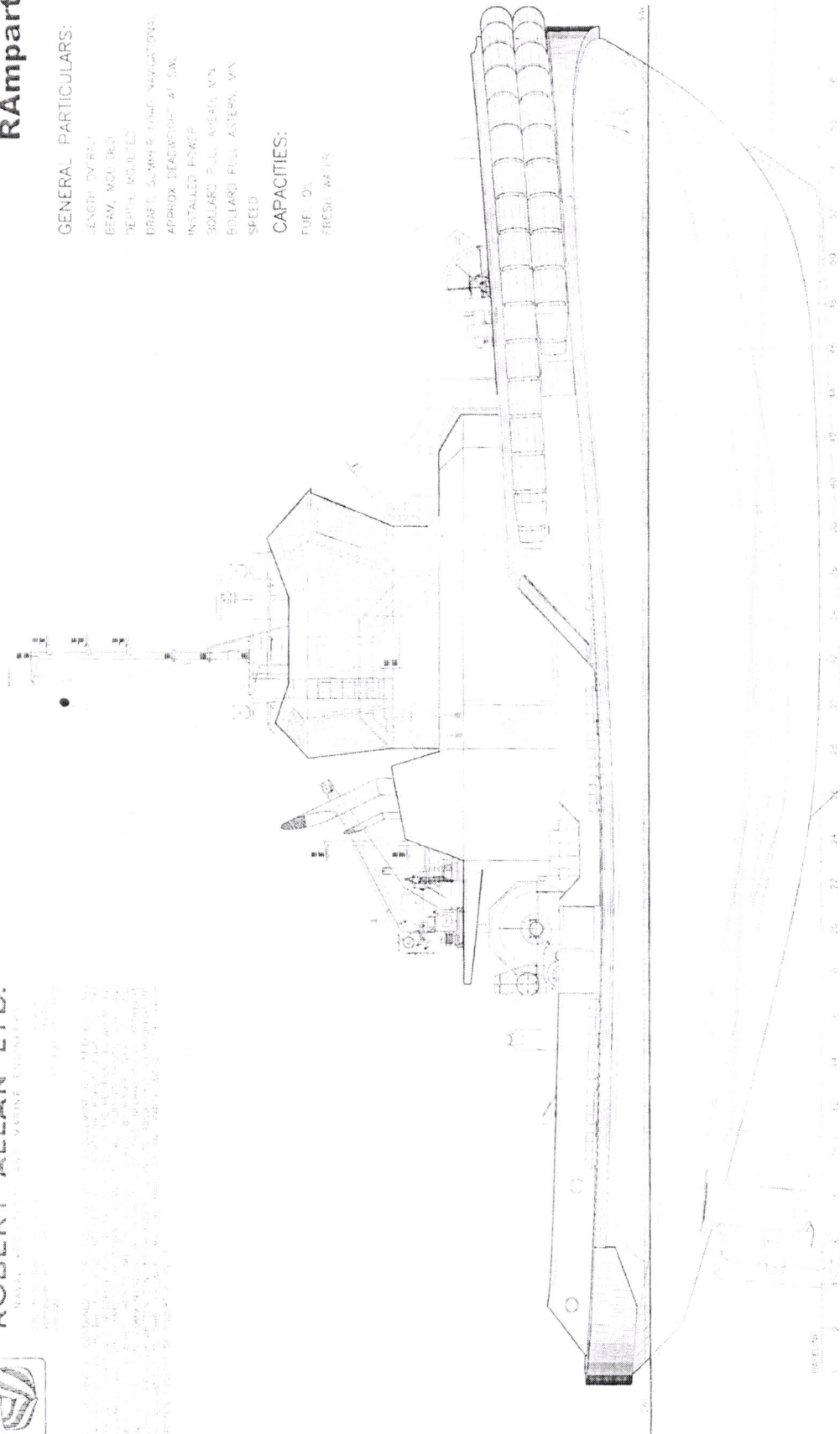
Ramparts 3300

GENERAL PARTICULARS:

LENGTH OVERALL 23.75 m
 BEAM, MOH DED 4.27 m
 DEPTH, MOH DED 5.45 m
 DRAFT, SUMMER TONNAGE, NAVGATIONAL 5.1 m
 APPROX DEADWEIGHT AT SEA 250 TONS NET
 272 TONS GR
 INSTALLED POWER 30 HP/22.4 kW
 BOLLARD PULL AVERAGE, MN 30 TONS NET
 BOLLARD PULL ASTERN, MN 65 TONS NET
 SPEED 12.5 KNOTS

CAPACITIES:

FUEL OIL 700 m³
 FRESH WATER 45 m³



SCALE: 1:20

FRAME STAGES: 500mm

PROFILE



ROBERT ALLAN LTD.
 100, WATERLOO STREET
 SOUTHAMPTON, HAMPSHIRE
 SO9 4LQ, ENGLAND
 TEL: 0703 274111
 FAX: 0703 274112

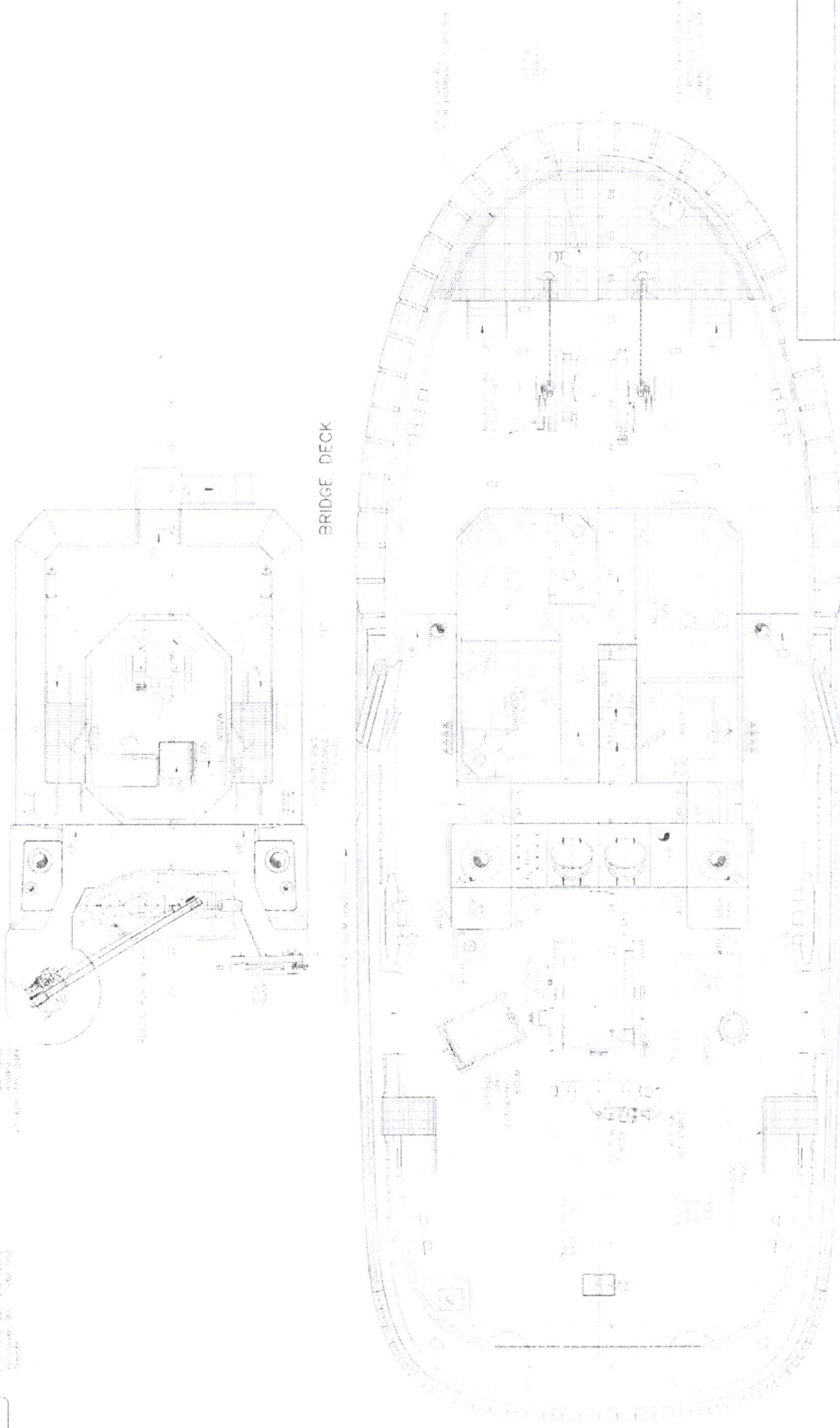
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94	94	94	94
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99	99	99	99
100	100	100	100



ROBERT ALLAN LTD.
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Ramparts 3300



GENERAL ARRANGEMENT

NO.	DESCRIPTION	DATE	BY	CHKD.
1	GENERAL ARRANGEMENT	11.05.2011	RA	RA
2	REVISION	11.05.2011	RA	RA
3	REVISION	11.05.2011	RA	RA
4	REVISION	11.05.2011	RA	RA
5	REVISION	11.05.2011	RA	RA
6	REVISION	11.05.2011	RA	RA
7	REVISION	11.05.2011	RA	RA

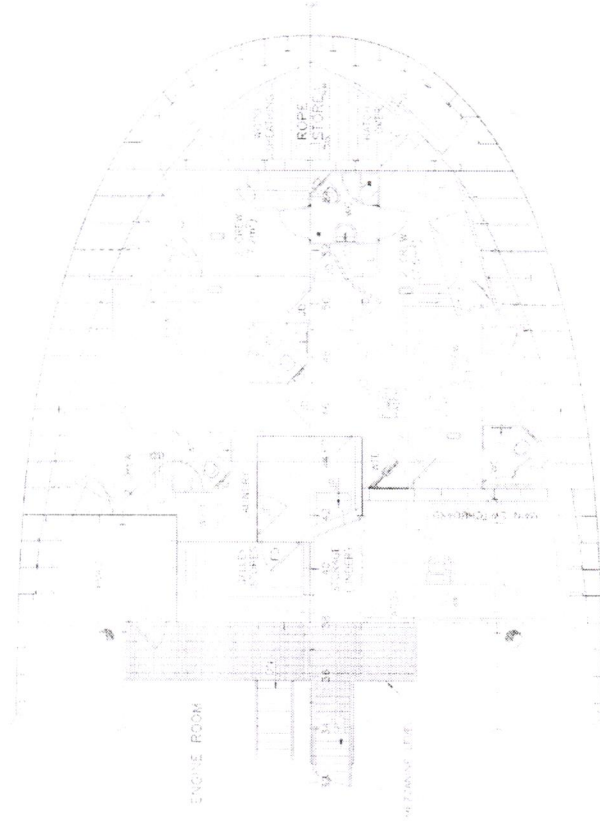
MAIN DECK PLAN





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LOWER ACCOMMODATION PLAN



GENERAL ARRANGEMENT

NO.	DESCRIPTION	DATE	SCALE
1	GENERAL ARRANGEMENT	2009/03/27	3:000

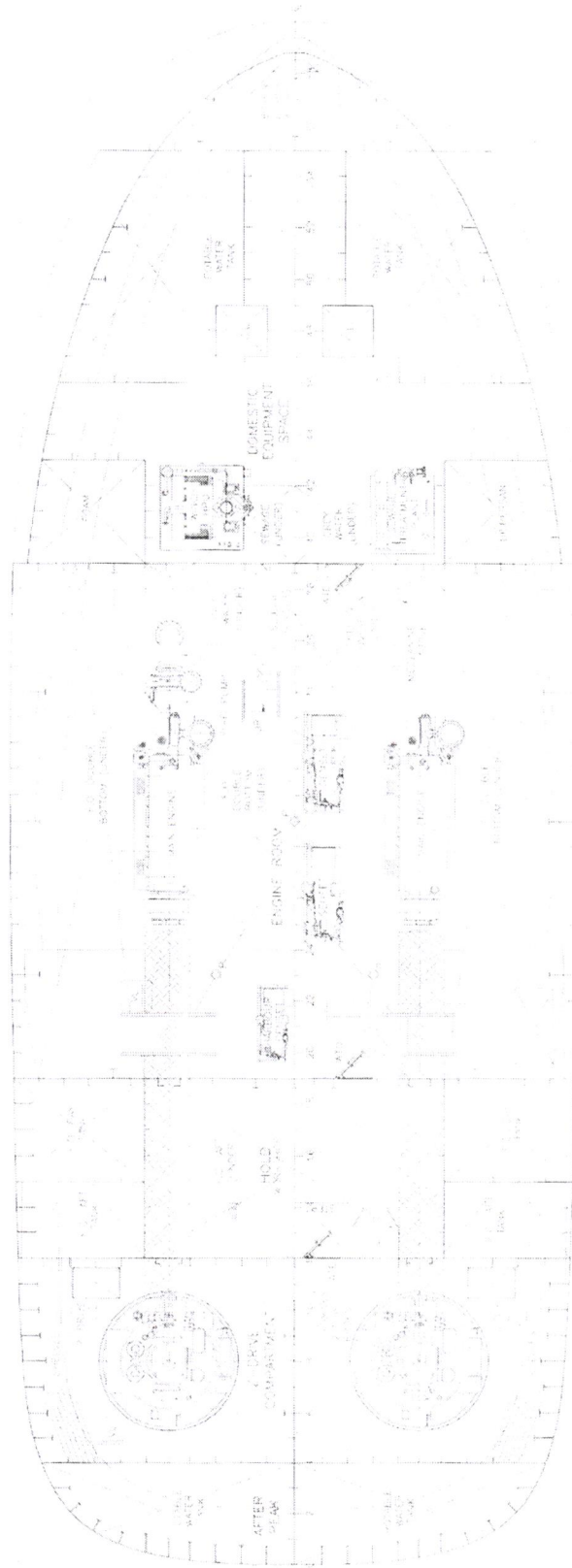




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HOLD PLAN



GENERAL ARRANGEMENT

NO.	DATE	REVISION	SHEET
1			1
2			2
3			3