

**TENDER NO.UCSL/CC/SB/T/UY 172-174/8/2025**  
**DT:04.06.2025**

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**TENDER FOR PIPE INSTALLATION/FABRICATION/TESTING**  
**AND COMMISSIONING OF 70 TON BOLLARD PULL ASD-TUG**

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UDUPI COCHIN SHIPYARD LIMITED

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



**UDUPI COCHIN SHIPYARD LIMITED**  
**Tender for Pipe Installation/Testing and Commissioning of 70 Ton Bollard Pull ASD Tug**  
**UCSL/CC/SB/T/UY 172-174/8/2025 DT:04.06.2025**

## **TENDER NOTICE**

|   |  |
|---|--|
| Tender No. & date                       | UCSL/CC/SB/T/UY 172-174/8/2025 DT: 04.06.2025  |
| Name of work                            | PIPE INSTALLATION/FABRICATION/TESTING AND COMMISSIONING OF 70 TON BOLLARD PULL ASD-TUG |
| Last date & time of receipt of tender   | 16 <sup>th</sup> JUNE 2025 (MONDAY), 15:30HRS  |
| Date & time of opening of Technical Bid | 16 <sup>th</sup> JUNE 2025 (MONDAY), 15:30HRS  |

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 and Scope of work placed at Annexure I and Annexure II respectively
- b. **The Techno commercial Check List** at Annexure VI to be filled up completely and duly signed.
- c. Duly filled form at Annexure – 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 V.

### **3. 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](mailto:contractcell@udupicsl.com)
- iii. **Part I and Part II are to be protected with separate and distinctly different passwords.**





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- 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.
4. The bidders shall ensure the receipt of bids at [contractcell@udupicsl.com](mailto: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.
5. The tender should be addressed to the **Assistant General Manager (Contract Cell), Udupi Cochin Shipyard Limited, Malpe Harbor Complex, Malpe, Udupi 576 108, Karnataka, India.**
6. 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 (Material & Contract Cell), Udupi Cochin Shipyards Limited, tender and reserves the authority to reject the tender received without assigning any reason.
7. Contact Person: Mr. Bharath, Manager (Pipe & Pipe Outfitting): +91 6362212815  
 Mr. Akhil R P, Manager (Contract Cell) : +91 8129624129

Assistant General Manager (Contract Cell).



**गोकुल पी एन**  
**GOKUL P N**  
 सहायक महाप्रबंधक/ASSISTANT GENERAL MANAGER  
 उडुपि कोचीन शिपयार्ड लिमिटेड  
**UDUPI COCHIN SHIPYARD LIMITED**  
 माल्पे, कर्नाटक/MALPE, KARNATAKA-576 108





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## **TERMS AND CONDITIONS**

### **TENDER FOR PIPE INSTALLATION/TESTING AND COMMISSIONING OF 70 TON BOLLARD PULL ASD-TUG**

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

- 1.1. This tender enquiry pertains to the awarding of contract for Installation, Testing and commissioning of Piping Systems of 70T Bollard Pull ASD-Tug (UY172 to UY174) to be built at Udupi Cochin Shipyard Limited (UCSL), Malpe, Karnataka.
- 1.2. Spools from 32 NB and above will be supplied to contractor for installation onboard and below 32 NB need to be fabricated and installed by the contractors.
- 1.3. The work includes Pipe spool Erection, including pipe support and all connected hot works and dry survey, lay out inspection, pressure testing, flushing and assistance for commissioning required to the satisfactory completion of works in accordance with the requirements of UCSL, Classification society and owner requirements.
- 1.1. The Contractor shall execute the work as per the specifications / drawings issued and to the satisfaction of UCSL.
- 1.2. 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 and drawings, delivery schedule and UCSL - General Terms and conditions in all respects
  - 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:

| <b><u>Welding Electrodes</u></b>      | <b><u>Rate</u></b> |
|---------------------------------------|--------------------|
| Mig Coil E71t 1c 1.2mm Dia            | 177.10             |
| Flux Cored Wire of Ss 309l 0.8mm Dia  | 977.50             |
| Tig Filler Wire 70 S2, 2.4mm          | 276.00             |
| Mig Solid Wire Er-70s-6 1.2mm         | 126.50             |
| Welding Electrode: E 6013: 2.5 Mm     | 126.50             |
| Welding Electrode: E 6013: 3.15 Mm    | 168.48             |
| Welding Electrode: E 6013: 4 Mm       | 168.48             |
| Welding Electrode: E 7018: 2.5 Mm     | 120.75             |
| Welding Electrode: E 7018: 3.15 Mm    | 143.75             |
| Welding Electrode: E 7018: 4 Mm       | 195.50             |
| SS Welding Electrode 309l 3.15mm      | 740.60             |
| SS Welding Electrode E316 L, 2.5 Mm   | 740.60             |
| SS Welding Electrode E316 L, 3.15 Mm  | 740.60             |
| MS To SS Welding Electrode 309 X2.5mm | 753.25             |

\*The above prices are excluding of GST.

- 1.3. Welding electrodes and gases used for fabrication / erection purposes are supplied by UCSL only.
- 1.4. The work is to be carried out at the skid area allocated to the contractor (s) inside UCSL Malpe premises.







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1.5. **You are requested to obtain clarifications, if any, and carefully study the documents and the scope of services and UCSL, before submitting your offer.**

1.6. The Agencies are advised to familiarize themselves with the site conditions before quoting.

## **2. SCOPE OF WORK**

2.1. The scope of work includes Pipe spool fabrication below 32NB, erection of complete spools below 32NB as well as above 32NB, including pipe support and all connected hot works and dry survey, lay out inspection, pressure testing, flushing and assistance for commissioning required to the satisfactory completion of works in accordance with the requirements of UCSL, Classification society and owner requirements.

2.2. Refer **Annexure II and Annexure III** for detailed scope of work.

2.3. This is a turnkey job and any additional works up to 10% growth of work on scope of work to be envisaged and is to be undertaken without any additional price impact.

## **3. 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)                   | : 5.5 meter  |
| Draft (Hull)                  | : 5.1 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  |
| (Dual Class)                  | : IRS & ABS for Vessel UY173.  |

## **4. METHOD OF AWARDDING CONTRACT**

4.1. Contract will be concluded with Bidder qualifying technically (including eligibility criteria), agreeing to Commercial conditions (Annexure VI) and emerging as L1.

4.2. This tender is for construction of 3 Nos 70T Bollard Pull ASD Tug and UCSL reserves the right to award the work order on two different contractors for each Tug.

4.3. The L1 bidder will be awarded with the construction of 55% of the total scope of works for UY-172(1st vessel) as confirmed and the next inline bidder will be called for negotiation to meet the L1 bidder's rate to award work order for balance 45% of total scope of works pertaining to UY-172 itself.

4.4. In case the next in-line bidder L2/L3/L4/L5 etc. is not willing to match L1 bidder's rate, then the work order for construction of UY-172 vessel will be awarded to L1 bidder itself.

4.5. The methodology adopted in UY-172 (As per clause no: 4.3 & 4.4) will be applicable for next vessels also (UY-173, UY-174).





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- 4.6. UCSL reserves the right to distribute the work between the bidders for faster execution of the work.
- 4.7. 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.
- 4.8. UCSL reserves the right to cancel the tender if required.

## **5. COMMON REQUIREMENTS**

- 5.1. 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 has to pay for the welder qualification, testing and certification charges to UCSL on actuals. The contractor has to retain the qualified welders till the completion of the project.
- 5.2. 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.
- 5.3. 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.
- 5.4. The vessel shall be built under the classification of UY 172 and 174 IRS only and UY-173 IRS and ABS (Dual Class).

## **6. QUALIFICATION CRITERIA FOR VENDORS**

- 6.1. The Bidder shall be a single firm having experience in fabrication, Installation, Testing and commissioning of Piping Systems in ships or floating marine structures in the last three years in Ship Building Area.
- 6.2. The technical experience means "the experience of successfully completed similar works (as per clause 6.1 above) for period of 3 years. In the case of ongoing works, work progress report from the authorized officer of the work order issued firm shall be submitted for considering UCSL requirement.
- 6.3. The contractor must have a site-in charge/ supervisor to execute work, with a minimum experience of 3 yrs. in Piping field.
- 6.4. The project shall comprise of complete work having comparable nature to that of fabrication, Installation, Testing and commissioning of Piping Systems on floating marine structures and erection of Pipe outfit items installation. If the experience claimed by the bidder is of no relevance with respect to fabrication, Installation, Testing and commissioning of Piping Systems, then such experience will not be considered for pre-qualification. Decision taken by UCSL in this regard will be final.
- 6.5. 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.







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- 6.6. 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.
- 6.7. Net worth of the contractor must be positive as per the latest balance sheet. (MSME/NSIC will get exemptions).
- 6.8. The Bidder should be registered for GST and PAN no (Submit copy of Registration Certificate and PAN Card).
- 6.9. Firms claiming start-up certification issued by Govt of India, will be exempted as per govt rules & regulations.

## **7. SCHEDULE OF COMPLETION OF VESSELS**

- 7.1. Detailed schedule will be issued after placement of confirmed work order.
- 7.2. The construction of the vessels shall commence and to be completed as per the schedule of completion.
- 7.3. The work is of urgent nature and hence the contractor should mobilize the team to start the work not later than ten (10) days from the date of placement of work order.
- 7.4. As per the present schedule the entire work of a single vessel needs to be completed within a maximum period of 08 months including commissioning.

## **8. INSPECTION**

- 8.1. The vessel shall be built under the classification of UY 172 and 174 IRS only and UY-173 IRS and ABS (Dual Class).
- 8.2. Work will be undertaken and inspected as per the quality standards provided by UCSL, and approved by CLASS and Owner of the vessels.
- 8.3. The complete work has to 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.
- 8.4. All welding machines are to be calibrated.
- 8.5. All test and Inspections shall be carried out as per approved Quality Plan.
- 8.6. All correspondence with the Shipyard to be in English language. All documents and plans to be in English language and in metric units.

## **9. VALIDITY**

- 9.1. The offer shall be valid for a period of 8 months and no escalation in rate shall be allowed by UCSL on whatsoever reason.

## **10. RATE**

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







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## **11. PAYMENT TERMS**

11.1. Payment will be made in 7 stages:

### **Stage I: 15% of Total contracted value per vessel**

Deliverables: On Completion of 40% of the pipe installation/positioning of spools above 25NB (Big Bore) including fabrication & installation of pipe support with QC report.

### **Stage II: 15% of Total contracted value per vessel**

Deliverables: Completion of Total 80% of the pipe installation/positioning of spools above 25NB (Big Bore) including fabrication & installation of pipe support with QC report.

### **Stage III: 15% of Total contracted value per vessel**

Deliverables: Completion of Total 100% of the pipe installation/positioning of spools above 25NB (Big Bore) including fabrication & installation of pipe support with QC report.

### **Stage IV: 15% of Total contracted value per vessel**

Deliverables: On completion of self-route pipe completion and layout survey (All below 25NB).

### **Stage V: 15% of Total contracted value per vessel**

Deliverables: On completion of system layout inspection, pressure testing and assistance during flushing.

### **Stage VI: 15% of Total contracted value per vessel**

Deliverables: On completion of 100% piping systems with its commissioning assistance.

### **Stage VII: 10% of Total contracted value per vessel**

Deliverables: Completion of scope awarded to the contractor subject to clearance of all surveys and inspections by Class, Owner representative, UCSL representative and delivery of the vessel.

11.2. Payment shall be made on the basis of certification by UCSL officer in-charge.

11.3. The payment shall be made within 30 days from submission of invoice along with the work completion certificate.

11.4. All claims for payment for the work/additional work shall be submitted by the contractor within one month of completion of work.

11.5. 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.

## **12. TAXES & DUTIES**

12.1. 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**).





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### **13. SECURITY DEPOSIT**

- 13.1. The contractor 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.

### **14. PERFORMANCE GUARANTEE**

- 14.1. The complete work carried out by the contractor shall be guaranteed against defective on poor workmanship for a period of Six (06) 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.
- 14.2. 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.
- 14.3. 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.

### **15. LIQUIDATED DAMAGES**

- 15.1. 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.
- 15.2. 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.
- 15.3. 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.
- 15.4. 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.

### **16. POWER OF ATTORNEY**

- 16.1. 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.







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- 16.2. 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.

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

- 17.1. This contract may be terminated upon the occurrence of any of the following events
- 17.2. By agreement in writing of the parties hereto;
- 17.3. 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;
- 17.4. 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.
- 17.5. For fraud and corruption or other unacceptable practices.
- 17.6. 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.
- 17.7. 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.
- 17.8. 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.

### **18. ARBITRATION & JURISDICTION**

- 18.1. 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.
- 18.2. 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







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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.

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

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

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

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

## **19. SUB CONTRACTING AND ASSIGNMENT**

19.1. 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.

19.2. 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.

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

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

20.2. 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.

## **21. CANCELLATION OF ORDER AND RISK CONTRACTING**

21.1. 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.

21.2. 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.





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## **22. FORCE MAJEURE**

- 22.1. 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.

## **23. STORAGE OF MATERIAL AND EQUIPMENT**

- 23.1. 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.
- 23.2. 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.

## **24. IMS GUIDELINES**

- 24.1. 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.
- 24.2. 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.
  - 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.







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- 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.

## **25. SAFETY OF PERSONNEL AND FIRST AID**

- 25.1. 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.
- 25.2. 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.
- 25.3. In this regard, the Contractor will have to fully indemnify UCSL against any claims made by his workmen/other personnel
- 25.4. 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.

## **26. LABOUR LAWS AND REGULATIONS**

- 26.1. 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.
- 26.2. 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







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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.

- 26.3. 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.
- 26.4. 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.
- 26.5. 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.
- 26.6. 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.
- 26.7. 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.
- 26.8. 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.
- 26.9. 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:
  - 26.10. 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.)
- 26.11. 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.
- 26.12. **Agency shall familiarize themselves with the labour rules & regulations.**







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## **27. ELECTRICITY RULES AND REGULATION**

- 27.1. 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.

## **28. OVERWRITING & CORRECTIONS**

- 28.1. 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

## **29. OTHER TERMS & CONDITIONS**

- 29.1. Quality of services shall conform to the specification/ standards laid down by UCSL.
- 29.2. UCSL reserves the right to accept / reject any offer.
- 29.3. 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.
- 29.4. 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.
- 29.5. 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.
- 29.6. 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.
- 29.7. 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.
- 29.8. 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.
- 29.9. The service provider shall also be governed by the General Conditions of Contract of UCSL, General Safety Rules and other relevant labour laws.
- 29.10. 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.
- 29.11. Local Service provider (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](http://www.cochinshipyard.in)) under the Tenders tab for further reference.
- 29.12. 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.
- 29.13. Work to be carried out through Indian Citizen only.
- 29.14. Assistant General Manager, or his authorized representative will be the Officer-in-charge of these contracts.





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## **SCOPE OF WORK**

### **TENDER FOR PIPE INSTALLATION/TESTING AND COMMISSIONING OF 70 TON BOLLARD PULL ASD-TUG**

#### **1. CONTRACTOR SCOPE OF WORK.**

- 1.1. Turnkey pipe & pipe Outfits Erection for 70 Ton Bollard Pull ASD-Tug, including all connected hot works and dry survey required for the satisfactory completion of pipe fabrication, erection, support fabrication and erection, layout survey and pressure testing, flushing and commissioning assistance up to delivery in accordance with the requirements of UCSL, Classification society and owner requirements.
- 1.2. Spools from 32 NB and above will be supplied to contractor for installation onboard and below 32 NB need to be fabricated and installed by the contractors.
- 1.3. All end connection work and final adjustment shall be done in-suit as per site condition.
- 1.4. The contractor shall be responsible to UCSL for the following: -

#### **1.1.1. FABRICATION ACTIVITY**

- i. Fabrication of the pipe as per site routing condition below 32NB and piping standard as indicated by UCSL.
- ii. Necessary templating and ensuring shortest routing to be done
- iii. Collection of material, transportation, unloading of materials or other equipment's from UCSL shops/store to contractor's site/skid in UCSL premises.
- iv. Fabrication scope includes Cutting, Bending, Edge preparation of the pipes, back gouging, Fit-up survey, Dry survey and shop floor testing and offer for inspection to surveyor/owner/QC.
- v. Setting up and arranging skids, jigs and fixtures for fabrication works.
- vi. Welding should be done by qualified welders only.
- vii. All pipes root should be in TIG welding and balance (cover / filling runs) Arc welding preferred for carbon steel pipes. Proper root penetration to be ensured. Below 2" Full TIG.
- viii. All copper pipes should be brazed.
- ix. All Stainless Steel (SS) pipes to be only TIG welded
- x. Fabrication and Installation of penetration for below 32 NB as well as above 32NB.
- xi. Punching to be done for pipes spool numbers as indicated by UCSL in the drawings.
- xii. Bending of pipe/tube spools will be required for less than 32 mm using bending machine.
- xiii. Maintaining the required Dimensional accuracy and surface finish as per UCSL Quality Standards.
- xiv. All end spools supplied by UCSL in tack welded condition which need to be welded at site to be done and shall be forwarded through pipe shop for galvanization before final fixing at on-board.
- xv. The complete work has to be carried out under the survey of UCSL Quality Control Dept.
- xvi. Contractor to maintain the required dimensional accuracy and surface finish as per quality standards (to be provided by UCSL).







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- xvii. Welding spatters and slags on the flange face shall be removed.
- xviii. Cleaning of materials after galvanizing and removing lump of zinc sticking to the surface (both inside and outside), if any. Also, no zinc spray should be used.

### **1.1.2. INSTALLATION ACTIVITY**

- i. The scope of contractor involves collection of pipes from UCSL premises to onboard for fitment as per drawings.
- ii. The job includes fitment of pipe brackets, pipe support, Valves, strainers, erosion pads, striking pads, bellows, boss, pressure/ temp gauges, blanking of valves, rose boxes, scupper etc.
- iii. Hose testing of OBD pipes and die penetrant test for OBD pipe, shall be done according to classification society requirements.
- iv. Color coding and arrow marking, valve tags installing, letters engraving/painting to be completed in all pipes.
- v. Insulation winding for heat transfer pipe to be done
- vi. Contractor shall ensure all pipe supports are painted before fitment onboard the ship.
- vii. Fixing name plates by riveting or hanging on valves or pipes as per the standards mentioned in the drawing.

### **1.1.3. COMMISSIONING ACTIVITY**

- i. The system should undergo Hydro Testing/APT at test pressures indicated in the drawings post completion of installation. The layout of piping system including pressure testing must be offered to QC and subsequently to OWNER & CLASS to their best satisfaction. Any comments arising during the layout survey to be liquidated immediately with additional support/modification /dry survey work. Material movement & accounting of the items are in the scope of work of contractor
  - ii. Necessary blanking/un-blanking pre and post testing to be done.
  - iii. However, if found any defect, same will be rectified.
  - iv. All test and Inspections shall be carried out as per approved Quality Plan.
  - v. Commissioning assistance for all piping system up to delivery.
  - vi. Any comments arising post outfitting/ pressure testing works to be addressed and rectified by contractor
  - vii. The necessary looping for pressure testing to be performed by the executing contractors. All accessories such as blanks, hydraulic test kit, flexible/rigid end pieces etc. required for pressure testing will be under scope of contractor.
- 1.5. Any imperfection or deficiency of the works until the project is completed will be part of the contractor.
- 1.6. Arranging required welding machines, grinding machine tools and consumables like grinding/buffing wheel, cutting wheel, cutting nozzle, hoses for testing/stub pieces etc. for fabrication & erection (Including outfit activities).
- 1.7. Mobilization of entire labour / Workmanship (Skilled/Semiskilled/Unskilled) required for the piping works in accordance with the specifications and drawings provided by UCSL. Quality Assurance plan (QAP) and applicable welding procedure specification (WPS) will be provided by UCSL.





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- 1.8. Minor staging up to 3m height shall be erected by the contractor for the work using UCSL material without any extra charges. Any requirement over and above this shall be arranged by UCSL separately.
- 1.9. Project Execution, supervision, management and reporting of all the tasks/activities associated with the construction of the vessel as above.
- 1.10. Ensuring best housekeeping practices to keep the work premises neat and clean in daily basis.

**THE SCOPE OF THE CONTRACTOR ALSO INCLUDES:**

- 1.11. Arranging required tools and tackles like steel rules, punches, hammers, spanners and all tools and consumables, grinders, etc. Cutting tools, gas cutting sets and hoses, welders flux chippers, and wire brush etc. The required Welding sets including arc welding machine, Tig welding sets, welding cables, regulators, welding holders, baking ovens etc. required for fabrication.
- 1.12. Arranging local material handling facilities like pulley blocks, lifting belt etc.
- 1.13. All tools and tackles required for the work are under the scope of the sub-contractor
- 1.14. Gas safety valves will have to be brought by the contractors for each OXY acetylene hose used by the contractor.
- 1.15. Providing all personnel protective items like safety helmets, gloves, welding shields, goggles, leg guards, safety belts, aprons, safety shoes etc. to their employees.
- 1.16. Attending weekly quality and safety patrol along with a UCSL officer, the observations are required to be closed within 7 days.
- 1.17. 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.
- 1.18. All correspondence with the Shipyard to be in English language. All documents and plans to be in English language and in metric units.

**2. SCOPE OF SUPPLY / WORK OF UCSL**

- 2.1. Providing the required technical specifications & applicable drawings.
- 2.2. Staging above 3m height.
- 2.3. Piping materials for Fabrication and erection -The pipe and pipe fittings will be supply by UCSL.
- 2.4. Drawings, Quality assurance plan (QAP) and available welding procedure specification (WPS) shall be provided. QAP & WPS are UCSL property & contractor should not use this for any other purpose.
- 2.5. Services of UCSL crane & forklift /other material handling facilities subject to availability.
- 2.6. Welder qualification on chargeable basis.
- 2.7. Overseeing of the construction process.
- 2.8. Supply of electricity, water, cutting gas, Argon, and compressed air at free of cost.







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- 2.9. Supply of welding consumables on chargeable basis.
- 2.10. Testing pumps, flushing machine, flushing flow medium, pressure gauge for testing

### **3. ADDITIONAL WORKS**

- 3.1. This is a turnkey job and any additional works up to 10% modification in the pipe and its associated items due to pipe fouling with hull, incorrect fabrication in the shop, Revision in the drawing, fouling with the other machineries etc. to be borne by the contractor without any additional price impact
- 3.2. Any minor modifications, resulting from the change in statutory regulations prevailing at the time of final inspection of work by Classification Society, to be carried out by the Contractor free of cost. In case of rework/modification/additional work, written consent is to be obtained from the Officer-in-charge before commencement of the work.
- 3.3. 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.
- 3.4. The contractor shall be responsible for any damages 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.
- 3.5. The Contractor is to ensure proper cleanliness all around his work area while working on board ship. The contractor shall arrange to collect and clean up every day all the waste, scrap, debris etc. generated by their workmen while working on board the ship and other locations and deposits the same suitably at specified location at his cost to the complete satisfaction of Yard. In case of any failure on his part to comply with the requirement, Yard will arrange the required cleaning entirely at the contractor's cost.
- 3.6. The Contractor should arrange to suitably insure all his workmen/other personnel in this regard. UCSL will not be responsible for any injury or illness to the Contractor's workmen/other personnel during execution of the works due to whatsoever reasons. In this regard, the Contractor will have to fully indemnify UCSL against any claims made
- 3.7. The firm 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. The responsibility is limited only with respect to the damages caused due to any mistake or negligence of contractor.
- 3.8. Arrangement of necessary work permits, ventilation hoses and lighting, etc. required for the execution of the job will be under the scope of contractor.
- 3.9. Hot works are to be carried out as per the existing UCSL norms. Timely closing of hot work permits is the responsibility of the Contractor. This is to be done in a regular manner in consultation with the Executing Officer
- 3.10. Half yearly inspection of portable electrical tools and leak testing of cutting hoses are mandatory. Electric tools/ cutting hoses without valid inspection certificate will not be permitted onboard vessel.





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- 3.11. Any material/ fitting/ equipment fitted onboard the vessel is UCSL property. Removal of any such item shall be done only with the written approval of officer concerned. 'Permit for Removal and Refitting' has to be meticulously followed to this effect.
- 3.12. Segregation of waste at source and deposit into the respective pallets is the sole responsibility of the contractor. In case of any mixing of waste, UCSL will segregate the waste at the expenses of the contractor
- 3.13. Contractors are required to work round the clock/ Sundays/ holidays as per the requirement of concerned department in order to complete the work in time, for the same, proper permission to be obtained from the concerned Officer-in-Charge.
- 3.14. WORK COMPLETION CERTIFICATE The contractor shall prepare and submit Work Completion Certificate (WCC) after completion of each stage of work. Stage payment shall be made based on duly signed WCC.







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## **INDICATIVE QUANTUM OF PIPE & PIPE OUTFIT SYSTEM**

### **DETAILS OF SMALL-BORE ERECTION SYSTEM**

| SMALL BORE |                                 |      |            |            |              |
|------------|---------------------------------|------|------------|------------|--------------|
| S.NO.      | SYSTEM                          | SIZE | INCH DIA   | INCH METER | No of Spools |
| 1          | CO2 (GI)                        | DN40 | 30         | 2          | 10           |
| 2          |                                 | DN25 | 80         | 30         | 40           |
| 3          |                                 | DN20 | 60         | 50         | 60           |
| 4          | CO2 (Copper)                    | DN10 | 4          | 10         | 2            |
| 5          |                                 | DN6  | 0          | 10         | 20           |
| 6          | Compressed Air System (GI)      | DN40 | 30         | 10         | 6            |
| 7          |                                 | DN32 | 10         | 10         | 4            |
| 8          |                                 | DN25 | 50         | 100        | 60           |
| 9          |                                 | DN20 | 15         | 30         | 10           |
| 10         |                                 | DN15 | 100        | 200        | 100          |
| 11         |                                 | DN12 | 20         | 40         | 10           |
| 12         |                                 | DN10 | 10         | 20         | 10           |
| 13         |                                 | DN8  | 20         | 30         | 15           |
| 14         | Fuel oil transfer system (CS)   | DN25 | 10         | 1          | 4            |
| 15         |                                 | DN20 | 10         | 40         | 10           |
| 16         |                                 | DN15 | 40         | 100        | 40           |
| 17         | Machinery Cooling System (GI)   | DN20 | 30         | 40         | 10           |
| 18         |                                 | DN15 | 2          | 1          | 4            |
| 19         | Lube oil system (CS)            | DN25 | 5          | 10         | 6            |
| 20         |                                 | DN15 | 10         | 40         | 10           |
| 21         | Sludge & oily water system (CS) | DN25 | 15         | 20         | 6            |
| 22         |                                 | DN20 | 5          | 10         | 4            |
| 23         |                                 | DN15 | 5          | 10         | 4            |
| 24         | Dispersant System (SS Pipes)    | DN25 | 40         | 40         | 16           |
| 25         | Potable Water system (GI)       | DN25 | 60         | 50         | 30           |
| 26         |                                 | DN15 | 30         | 20         | 10           |
| 27         | Scupper and Drain (GI)          | DN25 | 30         | 10         | 10           |
| 28         | Exhaust System (GI)             | DN20 | 20         | 50         | 20           |
|            | <b>Grand Total</b>              |      | <b>741</b> | <b>984</b> | <b>531</b>   |

**Note:** includes only suit at site erection lines – estimates





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| SMALL BORE PT TUBES |                                |            |             |              |
|---------------------|--------------------------------|------------|-------------|--------------|
| S.NO.               | SYSTEM                         | INCH DIA   | INCH METER  | No of spools |
| 1                   | Deck Machinery (SS Tubes)      | 150        | 1100        | 150          |
| 2                   | Deck Crane (SS Tubes)          | 30         | 30          | 15           |
| 3                   | Thruster hydraulics (SS Tubes) | 150        | 150         | 30           |
|                     | <b>Grand Total</b>             | <b>330</b> | <b>1280</b> | <b>195</b>   |

#### DETAILS OF BIG BORE ERECTION JOINTS

| Big Bore NB Pipes - Erection |                  |             |            |
|------------------------------|------------------|-------------|------------|
| DESCRIPTION                  | Erection joints  |             | INCH METER |
|                              | SIZE             | INCH DIA    |            |
| Penetration                  | Above 150 NB     | 40          |            |
| Penetration                  | 100 NB to 150 NB | 160         |            |
| Penetration                  | 65 NB to 80 NB   | 230         |            |
| Penetration                  | 32 NB to 50 NB   | 130         |            |
| Penetration                  | 25 NB & below    | 3           |            |
| Set On Flanges               | Above 150 NB     | 0           |            |
| Set On Flanges               | 100 NB to 150 NB | 10          |            |
| Set On Flanges               | 65 NB to 80 NB   | 45          |            |
| Set On Flanges               | 32 NB to 50 NB   | 50          |            |
| Set On Flanges               | 25 NB & below    | 40          |            |
| Marpol Connection            | 32 NB to 50 NB   | 10          |            |
| Sounding                     | 32 NB to 50 NB   | 30          |            |
| Scupper                      | 32 NB to 50 NB   | 60          |            |
| End conn & Other piping      | Above 150 NB     | 250         | 80         |
| End conn & Other piping      | 100 NB to 150 NB | 150         | 60         |
| End conn & Other piping      | 65 NB to 80 NB   | 200         | 150        |
| End conn & Other piping      | 32 NB to 50 NB   | 250         | 200        |
| End conn & Other piping      | 25 NB & below    | 300         | 200        |
| <b>Total</b>                 |                  | <b>1958</b> | <b>690</b> |







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| <b>PART - B</b>  |                 |                  |
|--|-----------------|------------------|
| <b>MISCELLANEOUS ITEM(Tentative)</b>                       |                 |                  |
| <b>LIST OF VALVES, STRAINERS AND OTHER PIPE COMPONENTS</b> |                 |                  |
| <b>DESCRIPTION</b>   | <b>CATEGORY</b> | <b>QTY (NOS)</b> |
| ANGLE GLOBE VALVE  | 65 to 80 NB     | 1                |
|  | Above 150 NB    | 2                |
| BALL VALVE   | 100 to 150 NB   | 2                |
|  | 32 to 50 NB     | 70               |
|  | 65 to 80 NB     | 2                |
|  | Less than 32NB  | 67               |
| BASKET STRAINER  | Above 150 NB    | 2                |
| BUTTERFLY VALVE  | 100 to 150 NB   | 9                |
|  | 32 to 50 NB     | 18               |
|  | 65 to 80 NB     | 10               |
|  | Above 150NB     | 3                |
| CHECK VALVE  | Less than 32NB  | 11               |
| DUPLEX FILTER  | 32 to 50 NB     | 2                |
|  | 65 to 80 NB     | 2                |
| DUPLEX STRAINER  | 32 to 50 NB     | 1                |
| GATE VALVE   | 32 to 50 NB     | 16               |
|  | 65 to 80 NB     | 30               |
| GLOBE VALVE  | 100 to 150 NB   | 2                |
|  | 32 to 50 NB     | 7                |
|  | 65 to 80 NB     | 1                |
|  | Less than 32 NB | 4                |
|  | Less than 32NB  | 14               |
| HYDRANT VALVE  | 65 to 80 NB     | 5                |
| LIFT CHECK VALVE   | Less than 32NB  | 4                |
| MUDBOX- ANGLE TYPE   | 32 to 50 NB     | 1                |
|  | 65 to 80 NB     | 4                |
| PRESSURE REDUCING VALVE                                    | Less than 32NB  | 5                |
| PRESSURE RELIEF VALVE                                      | 32 to 50 NB     | 1                |
|  | Less than 32NB  | 3                |
| QUICK CLOSING VALVE  | 32 to 50 NB     | 2                |
|  | 65 to 80 NB     | 4                |
| SDNR VALVE   | 100 to 150 NB   | 2                |
|  | 32 to 50 NB     | 25               |
|  | 65 to 80 NB     | 25               |
|  | Less than 32 NB | 1                |
|  | Less than 32NB  | 5                |
| SELF CLOSING DRAIN VALVE                                   | Less than 32NB  | 3                |
| SIMPLEX STRAINER   | 32 to 50 NB     | 8                |





**UDUPI COCHIN SHIPYARD LIMITED**  
**Tender for Pipe Installation/Testing and Commissioning of 70 Ton Bollard Pull ASD Tug**  
**UCSL/CC/SB/T/UY 172-174/8/2025 DT:04.06.2025**

| DESCRIPTION                                    | CATEGORY        | QTY (NOS) |
|--|-----------------|-----------|
| SIMPLEX STRAINER                               | 65 to 80 NB     | 4         |
| SIMPLEX STRAINER                               | Less than 32 NB | 1         |
| STORM VALVE                                    | 32 to 50 NB     | 4         |
|  | 65 to 80 NB     | 1         |
| STRUMBOX                                       | 32 to 50 NB     | 2         |
|  | 65 to 80 NB     | 1         |
| SWING CHECK VALVE                              | 100 to 150 NB   | 1         |
|  | 32 to 50 NB     | 6         |
|  | 65 to 80 NB     | 2         |
| VENT - GOOSENECK                               | 32 to 50 NB     | 4         |
|  | 65 to 80 NB     | 1         |
| VENT - GOOSENECK, FLAME SCREEN                 | 100 to 150 NB   | 1         |
|  | 32 to 50 NB     | 1         |
|  | 65 to 80 NB     | 4         |
| VENT W/ AUTO CLOSING                           | 32 to 50 NB     | 2         |
|  | 65 to 80 NB     | 2         |
| VENT W/ AUTO CLOSING, FLAME SCREEN             | 100 to 150 NB   | 2         |
|  | 32 to 50 NB     | 2         |
|  | 65 to 80 NB     | 2         |
| VENT W/ AUTO CLOSING, INSECT SCREEN            | 65 to 80 NB     | 4         |
| Y STRAINER                                     | 32 to 50 NB     | 6         |
|  | 65 to 80 NB     | 2         |
|  | Less than 32 NB | 1         |
| BELLOW   | 100 to 150 NB   | 6         |
|  | Above 150 NB    | 2         |
| CAM LOCK COUPLING                              | 32 to 50 NB     | 4         |
| DRAIN PLUGS- SCUPPER                           | 32 to 50 NB     | 6         |
| INTERNATIONAL SHORE CONNECTION<br>FLANGE -FIRE | 32 to 50 NB     | 1         |
| ORIFICE PLATES                                 | 100 to 150 NB   | 1         |
|  | 65 to 80 NB     | 3         |
| QUICK COUPLING                                 | 32 to 50 NB     | 4         |
|  | Less than 32 NB | 13        |
| RAINCAP  | 100 to 150 NB   | 3         |
|  | Above 150 NB    | 2         |
| SCUPPER - EXTERNAL                             | 32 to 50 NB     | 16        |
| SCUPPER - INTERNAL                             | 32 to 50 NB     | 8         |
| SELF CLOSING SOUNDING COCK                     | 32 to 50 NB     | 8         |
| SILENCER                                       | 100 to 150 NB   | 3         |
|  | Above 150 NB    | 2         |
| SOCKET- DRAIN                                  | Less than 32 NB | 3         |
| SOUNDING PLUG-THREADED/ WELDABLE               | 32 to 50 NB     | 10        |







**UDUPI COCHIN SHIPYARD LIMITED**  
**Tender for Pipe Installation/Testing and Commissioning of 70 Ton Bollard Pull ASD Tug**  
**UCSL/CC/SB/T/UY 172-174/8/2025 DT:04.06.2025**

| DESCRIPTION                     | CATEGORY    | QTY (NOS) |
|---------------------------------|-------------|-----------|
| SOUNDING/ FILLING CAP -THREADED | 32 to 50 NB | 16        |
| MARPOL FLANGE                   | 32 to 50 NB | 3         |
| FLOW METER                      |             | 6         |
| LEVEL GAUGES                    |             | 6         |
| PRESSURE GAUGE                  |             | 15        |
| TEMPERATUR GAUGE                |             | 10        |
| FIRE MONITOR                    |             | 2         |
| FIRE NOZZLES                    |             | 21        |
| CO2 NOZZLES                     |             | 15        |

**Total Scope Summary.**

| SL | DESCRIPTION  | UOM        | QUANTITY |
|----|--|------------|----------|
| 1  | Big Bore (above 32 NB) and small-bore pipe (Below 32 NB) Fabrication & erection in Inch Dia  | Inch dia   | 3029     |
| 2  | Big Bore (above 32 NB) and small-bore pipe (Below 32 NB) pipe erection in Inch Meter   | Inch Meter | 5500     |
| 3  | Valves, Strainer silencer and miscellaneous items erection (Valves and strainers 600nos Approx, ME silencer-2 nos. DG silencer- 1 no | Nos        | 600      |
| 4  | Support fabrication and erection   | Meter      | 1000     |
| 5  | Dek hydraulics and crane hydraulics, Steering gear piping works  | Meter      | 600      |



**POWER OF ATTORNEY**

*(On Applicant's letter head)*

(Date and Reference)

To  
The Assistant General Manager (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)







UDUPI COCHIN SHIPYARD LIMITED

Tender for Pipe Installation/Testing and Commissioning of 70 Ton Bollard Pull ASD Tug  
UCSL/CC/SB/T/UY 172-174/8/2025 DT:04.06.2025

**UCSL/CC/SB/T/UY 172-174/8/2025 DT: 04.06.2025**

**TENDER FOR INSTALLATION/TESTING AND COMMISSIONING OF  
PIPING SYSTEMS OF 70 TON BOLLARD PULL ASD-TUG**

**PRICE BID**

| Sl. No | Category   | Inch Dia. (A) | Inch Meter (B) | Unit Rate      |                | TOTAL RATE (A*a+ B*b) |
|--------|--|---------------|----------------|----------------|----------------|-----------------------|
|        |  |               |                | Inch Dia. (a)  | Inch Meter (b) |                       |
| 1      | Big Bore Pipes (above 32NB).   | 1958          | 4516           |                |                |                       |
| 2      | Small Bore Pipes (below 32NB)  | 741           | 984            |                |                |                       |
| 3      | Small Bore PT Tube (Dek hydraulics and crane hydraulics, Steering gear piping works) | 330           | 1280           |                |                |                       |
| 4      | Pipe support   | 1000 Meter    |                | .....Per Meter |                |                       |
| 5      | Miscellaneous item as indicated below ( <b>Part-B</b> )                              |               |                |                |                |                       |
| 6      | Total Amount   |               |                |                |                |                       |
| 7      | IGST/GST @.....  |               |                |                |                |                       |
| 8      | Grand Total Amount   |               |                |                |                |                       |

Note:

1. L1 will be determined based on the value quoted at Sl. No. 06.
2. Bidder should also quote at Part -B miscellaneous items against each line items (Page no: 02 to 04 of Annexure-V) and the same will be taken only for reference purpose only.



Signature:

Address of the contractor:

Seal:



UDUPI COCHIN SHIPYARD LIMITED  
Tender for Pipe Installation/Testing and Commissioning of 70 Ton Bollard Pull ASD Tug  
UCSL/CC/SB/T/UY 172-174/8/2025 DT:04.06.2025

| <b>PART - B</b>  |                 |                  |             |               |
|--|-----------------|------------------|-------------|---------------|
| <b>MISCELLANEOUS ITEM(Tentative)</b>                       |                 |                  |             |               |
| <b>LIST OF VALVES, STRAINERS AND OTHER PIPE COMPONENTS</b> |                 |                  |             |               |
| <b>DESCRIPTION</b>   | <b>CATEGORY</b> | <b>QTY (NOS)</b> | <b>RATE</b> | <b>AMOUNT</b> |
| ANGLE GLOBE VALVE  | 65 to 80 NB     | 1                |             |               |
|  | Above 150 NB    | 2                |             |               |
| BALL VALVE   | 100 to 150 NB   | 2                |             |               |
|  | 32 to 50 NB     | 70               |             |               |
|  | 65 to 80 NB     | 2                |             |               |
|  | Less than 32NB  | 67               |             |               |
| BASKET STRAINER  | Above 150 NB    | 2                |             |               |
| BUTTERFLY VALVE  | 100 to 150 NB   | 9                |             |               |
|  | 32 to 50 NB     | 18               |             |               |
|  | 65 to 80 NB     | 10               |             |               |
|  | Above 150NB     | 3                |             |               |
| CHECK VALVE  | Less than 32NB  | 11               |             |               |
| DUPLEX FILTER  | 32 to 50 NB     | 2                |             |               |
|  | 65 to 80 NB     | 2                |             |               |
| DUPLEX STRAINER  | 32 to 50 NB     | 1                |             |               |
| GATE VALVE   | 32 to 50 NB     | 16               |             |               |
|  | 65 to 80 NB     | 30               |             |               |
| GLOBE VALVE  | 100 to 150 NB   | 2                |             |               |
|  | 32 to 50 NB     | 7                |             |               |
|  | 65 to 80 NB     | 1                |             |               |
|  | Less than 32 NB | 4                |             |               |
|  | Less than 32NB  | 14               |             |               |
| HYDRANT VALVE  | 65 to 80 NB     | 5                |             |               |
| LIFT CHECK VALVE   | Less than 32NB  | 4                |             |               |
| MUDBOX- ANGLE TYPE   | 32 to 50 NB     | 1                |             |               |
|  | 65 to 80 NB     | 4                |             |               |
| PRESSURE REDUCING VALVE                                    | Less than 32NB  | 5                |             |               |
| PRESSURE RELIEF VALVE                                      | 32 to 50 NB     | 1                |             |               |
|  | Less than 32NB  | 3                |             |               |
| QUICK CLOSING VALVE  | 32 to 50 NB     | 2                |             |               |
|  | 65 to 80 NB     | 4                |             |               |
| SDNR VALVE   | 100 to 150 NB   | 2                |             |               |
|  | 32 to 50 NB     | 25               |             |               |
|  | 65 to 80 NB     | 25               |             |               |
|  | Less than 32 NB | 1                |             |               |
|  | Less than 32NB  | 5                |             |               |
| SELF CLOSING DRAIN VALVE                                   | Less than 32NB  | 3                |             |               |
| SIMPLEX STRAINER   | 32 to 50 NB     | 8                |             |               |







UDUPI COCHIN SHIPYARD LIMITED

Tender for Pipe Installation/Testing and Commissioning of 70 Ton Bollard Pull ASD Tug  
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| DESCRIPTION                                 | CATEGORY        | QTY (NOS) | RATE | AMOUNT |
|---|-----------------|-----------|------|--------|
| SIMPLEX STRAINER                            | 65 to 80 NB     | 4         |      |        |
| SIMPLEX STRAINER                            | Less than 32 NB | 1         |      |        |
| STORM VALVE                                 | 32 to 50 NB     | 4         |      |        |
|   | 65 to 80 NB     | 1         |      |        |
| STRUMBOX                                    | 32 to 50 NB     | 2         |      |        |
|   | 65 to 80 NB     | 1         |      |        |
| SWING CHECK VALVE                           | 100 to 150 NB   | 1         |      |        |
|   | 32 to 50 NB     | 6         |      |        |
|   | 65 to 80 NB     | 2         |      |        |
| VENT - GOOSENECK                            | 32 to 50 NB     | 4         |      |        |
|   | 65 to 80 NB     | 1         |      |        |
| VENT - GOOSENECK, FLAME SCREEN              | 100 to 150 NB   | 1         |      |        |
|   | 32 to 50 NB     | 1         |      |        |
|   | 65 to 80 NB     | 4         |      |        |
| VENT W/ AUTO CLOSING                        | 32 to 50 NB     | 2         |      |        |
|   | 65 to 80 NB     | 2         |      |        |
| VENT W/ AUTO CLOSING, FLAME SCREEN          | 100 to 150 NB   | 2         |      |        |
|   | 32 to 50 NB     | 2         |      |        |
|   | 65 to 80 NB     | 2         |      |        |
| VENT W/ AUTO CLOSING, INSECT SCREEN         | 65 to 80 NB     | 4         |      |        |
| Y STRAINER                                  | 32 to 50 NB     | 6         |      |        |
|   | 65 to 80 NB     | 2         |      |        |
|   | Less than 32 NB | 1         |      |        |
| BELLOW                                      | 100 to 150 NB   | 6         |      |        |
|   | Above 150 NB    | 2         |      |        |
| CAM LOCK COUPLING                           | 32 to 50 NB     | 4         |      |        |
| DRAIN PLUGS- SCUPPER                        | 32 to 50 NB     | 6         |      |        |
| INTERNATIONAL SHORE CONNECTION FLANGE -FIRE | 32 to 50 NB     | 1         |      |        |
| ORIFICE PLATES                              | 100 to 150 NB   | 1         |      |        |
|   | 65 to 80 NB     | 3         |      |        |
| QUICK COUPLING                              | 32 to 50 NB     | 4         |      |        |
|   | Less than 32 NB | 13        |      |        |
| RAINCAP                                     | 100 to 150 NB   | 3         |      |        |
|   | Above 150 NB    | 2         |      |        |
| SCUPPER - EXTERNAL                          | 32 to 50 NB     | 16        |      |        |
| SCUPPER - INTERNAL                          | 32 to 50 NB     | 8         |      |        |
| SELF CLOSING SOUNDING COCK                  | 32 to 50 NB     | 8         |      |        |
| SILENCER                                    | 100 to 150 NB   | 3         |      |        |
|   | Above 150 NB    | 2         |      |        |
| SOCKET- DRAIN                               | Less than 32 NB | 3         |      |        |
| SOUNDING PLUG-THREADED/ WELDABLE            | 32 to 50 NB     | 10        |      |        |





**UDUPI COCHIN SHIPYARD LIMITED**  
**Tender for Pipe Installation/Testing and Commissioning of 70 Ton Bollard Pull ASD Tug**  
**UCSL/CC/SB/T/UY 172-174/8/2025 DT:04.06.2025**

| DESCRIPTION                      | CATEGORY    | QTY (NOS) | RATE | AMOUNT |
|----------------------------------|-------------|-----------|------|--------|
| SOUNDING/ FILLING CAP - THREADED | 32 to 50 NB | 16        |      |        |
| MARPOL FLANGE                    | 32 to 50 NB | 3         |      |        |
| FLOW METER                       |             | 6         |      |        |
| LEVEL GAUGES                     |             | 6         |      |        |
| PRESSURE GAUGE                   |             | 15        |      |        |
| TEMPERATUR GAUGE                 |             | 10        |      |        |
| FIRE MONITOR                     |             | 2         |      |        |
| FIRE NOZZLES                     |             | 21        |      |        |
| CO2 NOZZLES                      |             | 15        |      |        |
| <b>TOTAL AMOUNT:</b>             |             |           |      |        |







**UDUPI COCHIN SHIPYARD LIMITED**  
**Tender for Pipe Installation/Testing and Commissioning of 70 Ton Bollard Pull ASD Tug**  
**UCSL/CC/SB/T/UY 172-174/8/2025 DT:04.06.2025**

**ANNEXURE-VI**  
**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<br>(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      | Mobilization period as per clause no 7.3   | Agreed as per tender/Do not agree                                    |                            |
| 4      | Unconditional Acceptance   | Agreed as per tender/Do not agree                                    |                            |
| 5      | Offer Validity   | 08 Months - Agreed as per tender/Do not agree                        |                            |
| 6      | Taxes & Duties   | Specified/included in Price  |                            |
| 7      | Payment terms - confirm  |  |                            |
| a      | As per Clause 11 of Annexure - I   | Agreed as per tender/Do not agree                                    |                            |
| 8      | Price shall remain firm and fixed and No Escalation in prices after awarding of contract | Agreed as per tender/Do not agree                                    |                            |
| 9      | Security Deposit   | Agreed as per tender/Do not agree                                    |                            |
| 10     | Performance Guarantee  | Agreed as per tender/Do not agree                                    |                            |
| 11     | Force Majeure  | Agreed as per tender/Do not agree                                    |                            |
| 12     | Liquidated damages and cancellation of contract  | Agreed as per tender/Do not agree                                    |                            |
| 13     | Arbitration & Jurisdiction clauses   | Agreed as per tender/Do not agree                                    |                            |
| 14     | Confirm all other terms and conditions of our enquiry are acceptable.                    | Confirmed/Not confirmed  |                            |
| 15     | Deviations from Tender conditions  | No Deviations  |                            |

Signature:

Address of the Contractor:

Seal:

