TENDER No. UCSL/CC/SB/T/183-190/118/2025 DT:19.12.2025

TENDER FOR PIPE SPOOL FABRICATION OF 70-TON BOLLARD PULL ASD-TUG

UDUPI COCHIN SHIPYARD LIMITED

UDUPI COCHIN SHIPYARD LIMITED
MALPE, UDUPI 576108

TENDER NOTICE

Tender No. & date	**UCSL/CC/SB/T/183-190/118/2025 DT.19-12-2025**
Name of work	**TENDER FOR PIPE SPOOL FABRICATION OF 70 TON BOLLARD PULL ASD-TUG**
Pre-Bid Meeting	**29TH DECEMBER 2025 (MONDAY), 11:00 HRS.**
Last date & time of receipt of tender	**05TH JANUARY 2026 (MONDAY), 16:00 HRS.**
Date & time of opening of Technical Bid (Part-I)	**05TH JANUARY 2026 (MONDAY), 16:00 HRS.**

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 work placed at Annexure I, Annexure II and Annexure III 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 & Annexure – VII

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 (02) separate password protected Zip files** to contractcell@udupicsl.com

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.

4. 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.

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 (Contract Cell), Udupi Cochin Shipyard Limited and reserves the authority to reject the tender received without assigning any reason.

7. Contact Person: Shri. Bharath M (Manager-Piping) Ph. No: +91 6362212815
Shri. Akhil R P (Manager-Contract Cell) Ph. No: +91 8129624149

for

Assistant General Manager (Contract Cell)

अखिल आर पी
AKHIL R P
प्रबंधक MANAGER
उडुपि कोचीन शिपयार्ड लिमिटेड
UDUPI COCHIN SHIPYARD LIMITED
माल्पे, कर्नाटक/MALPE, KARNATAKA-576 108

अनुबंध कक्ष CONTRACT CELL UDUPI COCHIN SHIPYARD LIMITED

TERMS AND CONDITIONS

TENDER FOR PIPE SPOOL FABRICATION OF 70T BOLLARD PULL ASD-TUG

1. DESCRIPTION OF WORK

1.1. This tender enquiry pertains to the awarding of contract for pipe spool fabrication of 08 numbers of 70 Ton bollard pull ASD-Tug (UY183 to UY190) & (UY 191-UY192) to be built at **Udupi Cochin Shipyard Limited (UCSL)**.

1.2. The Scope of work, includes purchase of material by vendor, fabrication at vendor premises, transportation to yard (UCSL) and elimination of any imperfection or deficiency of the works until the project is completed. The Contractor shall execute the work as per the specifications / drawings issued and to the satisfaction of UCSL.

1.3. Infrastructure and Consumables: The contractor shall complete the work within their own premises, all consumables, tools & tackles, cranes, laborer's, fabrication and galvanizing facilities etc. to be done at his own expenses. The Contractor shall execute the work as per the specifications / drawings issued and to the satisfaction of UCSL - General Terms and conditions in all respects.

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

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

2. SCOPE OF WORK

2.1. The scope of work includes purchase of material by vendor, fabrication at vendor premises, transportation to yard (UCSL) and elimination of any imperfection or deficiency of the works until the project is completed.

2.2. Refer **Annexure II and Annexure III** for detailed scope of work and indicative quantum of spool fabrication works respectively.

2.3. This is a turnkey job and any additional works up to 10% growth of work on the outfit items in terms of total weight / indicative total number of outfits is to be envisaged and is to be undertaken without any additional price impact.

2.4. Supply of materials for UY183 to UY190 within the UCSL premises, Malpe, Karnataka and UY191 to UY192 material to be suppled at CSL premises, Cochin.

2.5. For UY191-UY192 materials, weighment shall be carried out in accordance with the applicable rules pertaining to CSL.

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

4. METHOD OF AWARDING CONTRACT

4.1. Contract will be concluded with Bidder qualifying technically, agreeing to Techno Commercial conditions (Annexure VI) and emerging as L1 based on the total contract value.

4.2. Yard intends to award the total scope of work to at least 2 contractors at L1 rate.

4.3. The order of 10 ship would be split between Two/Three bidders, UCSL intends to place the scope of work for two/three ships set on each bidder subjected to matching the L1 rate.

4.4. UCSL reserves the right to award work order on two/three different contractors for three/four vessel per bidder. The L1 bidder will be awarded with the scope of work of two/three vessel each as confirmed and the L2 bidder will be called for negotiation to meet the L1 bidder's rate to award work order for next four vessels. Incase 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.

4.5. If L2/L3/L4/L5 etc. are not willing to match with L1 bidder's rate, hence work order for remaining Four (04) vessel will be placed on L1 bidder based on their performance on the already awarded Four (04) vessels.

4.6. In case of the contractor fails to fabricate and deliver the spools at any stage of the project, the yard reserves the right to delink the individual ship fabrication scope and will award the same to alternate contractor. In such cases, the value shall be determined based on Annexure-V, which shall be deduction from the total contract value for payments.

4.7. The contractor shall indicate the fabrication lead time as per the requirement of Annexure-V. However, the schedule as issued by the yard shall be final and binding which shall be reasonable and in line with the overall project schedule.

4.8. UCSL also reserves the right to cancel the tender if required.

5. QUALIFICATION CRITERIA FOR VENDORS

5.1. The Bidder shall have experience in pipe fabrication, galvanizing, painting of various pipe materials such as CS, SS, and Cu etc. in the last three years in ship building, ship repair, petrochemical, heavy engineering and chemical sectors.

5.2. The technical experience means "the experience of successfully completed similar works (as per clause 5.1 above) for period of 2 years.

5.3. The average cumulative annual financial turn over should be at least Rs. 3 Crores during the last 3 consecutive financial year (Audited balance sheets showing turnover profit & loss account of the firm should be submitted).

5.4. The bidder should have qualified welders having relevant WPS approved by classification societies.

5.5. Documents to prove credentials of the firm to undertake the subject work. eg: Details of available equipment's & facilities, Skilled / qualified Manpower, Work experience of similar job, etc. The firm has to submit the documents which validate the above-mentioned Clause 5.1 - 5.4 requirements.

5.6. If the experience claimed by the bidder is of no relevance with respect to pipe fabrication, galvanizing, painting of various pipe materials of Piping Systems, then such experience will not be considered for pre-qualification. Decision taken by UCSL in this regard will be final.

5.7. 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.

5.8. Bidder should have sufficient covered space and handling equipment's to undertake the work.

5.9. Bidder should have the facility or sub vendor facility to galvanize minimum 3-meter length pipes and up to 500 NB size pipes with flanges and elbows.

5.10. Bidder should provide the detailed execution plan of Hot-Dip galvanizing, such as where Hot Dip Galvanizing being carried out. Galvanizing unit capacity, present load, undertaking to carry out the work as per this tender also to be produced along with the tender

5.11. The Contractor shall provide certificates wherever applicable, which shall include the results of all testing required as per the scope of work and performed on all items giving details, but not limited to the following:

5.11.1. Certified reports of all material.

5.11.2. Certified reports of hydrostatic testing.

5.11.3. QC inspection reports.

5.12. Successful bidder should depute a team (Fabricators & Supervisor) to UCSL to study the fabrication drawings which includes bending details reading, fit-up details reading, welding details reading etc.

6. SCHEDULE OF COMPLETION OF VESSELS

6.1. (UY-183 to UY-190) 70T Bollard Pull Azimuth Stern Drive Tug 08 Nos – Pipe Spools Fabrication work is required to be completed within a maximum duration of 6 months from the date of commencement per vessel and the duration of 06 months is maximum for entire vessel till its commissioning phase, however the schedule will be calculated only on the basis of each lot allocation and drawings receipt to the contractors.

6.2. UCSL will allocate the schedule on lot basis and at an approx. 08 no of lot per vessel, the same is indicative for planning the mobilization of resources. The final schedule and the monthly loading will be provided by planning department based on availability of drawings, which shall be binding and will be considered for determination of delay, if any.

6.3. **Each lot needs to be completed within one month from the date of drawing receipt (Total-08 lots approx.) and contractor should execute at an approx. (400-450) spool fabrication in complete aspect per month.**

6.4. UCSL will allocate the spool allocation in an evenly spread-out manner.

7. WORK PROCEDURE

7.1. Necessary job instructions, drawings etc. for the work will be issued by UCSL.

7.2. Contractor is to carry out the work as per the specifications / drawings supplied, and to the satisfaction of UCSL.

7.3. Contractor should maintain the quality as per UCSL Quality Standards, yard quality procedures. Inspection will be carried out during fabrication by UCSL.

8. WORK PROGRESS AND SCHEDULE

8.1. The construction of the vessels shall commence and has to be completed as per the schedule of completion indicated at clause no. 6 above.

8.2. The work is of urgent nature and hence the contractor should start the work within 14 days from the issue of work order.

8.3. As per the present schedule the entire work of Spool Fabrication needs to be completed within a maximum period of 06 months in total.

9. VALIDITY

9.1. The offer shall be valid for a period of 1 year 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.

11. PAYMENT TERMS

11.1. Payment will be made in 6 stages:

Stage I: 20 % of contracted value per ship, on Lot 1 fabrication
Deliverables: Completion of pipe fabrication and delivery to yard UCSL as per schedule.

Stage II: 20 % of contracted value per ship on Lot 2 fabrication
Deliverables: Completion of pipe fabrication and delivery to yard UCSL as per schedule.

Stage III: 20 % of contracted value per ship on Lot 3 fabrication
Deliverables: Completion of pipe fabrication and delivery to yard UCSL as per schedule.

Stage IV: 20 % of contracted value per ship on Lot 4 fabrication
Deliverables: Completion of pipe fabrication and delivery to yard UCSL as per schedule.

Stage V: 10 % of contracted value per ship on Final Lot fabrication
Deliverables: Completion of pipe fabrication and delivery to yard UCSL as per schedule.

Stage VI: 10% of Total contracted value post completion of per ship
Deliverables: Completion of scope awarded to the contractor subject to clearance of all surveys, inspections and pressure testing onboard by Class, Owner representative, UCSL representative.

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)**.

12.2. For vessel UY 191-192 GST number will be intimated dispatch after the work order.

13. PERIOD OF CONTRACT & COMMENCEMENT OF SERVICES

13.1. Period of contract will be one year from the date of work order. The rates quoted and all other terms and conditions will remain unchanged for the entire period and also for the extended period (if extended).

14. SECURITY DEPOSIT

14.1. 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.

15. PERFORMANCE GURANTEE

15.1. The complete work carried out by the contractor shall be guaranteed against defective on poor workmanship for a period of Six 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.

15.2. 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.

15.3. 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 12 will be retained till the expiry of guarantee period.

16. LIQUIDATED DAMAGES

16.1. 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.

16.2. 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.

16.3. 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.

16.4. 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.

17. POWER OF ATTORNEY

17.1. 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.

17.2. 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.

18. TERMINATION & LIMITATION OF LIABILITY

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

18.2. By agreement in writing of the parties hereto;

18.3. 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;

18.4. 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.

18.5. For fraud and corruption or other unacceptable practices.

18.6. 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.

18.7. 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.

18.8. 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.

19. ARBITRATION & JURISDICTION

19.1. 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.

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

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

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

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

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

20. SUB CONTRACTING AND ASSIGNMENT

20.1. 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.

20.2. 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.

21. SECRECY & RESTRICTION ON INFORMATION TO MEDIA

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

21.2. 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

22. CANCELLATION OF ORDER AND RISK CONTRACTING

22.1. 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.

23. FORCE MAJEURE

23.1. 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.

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.

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 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.

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. 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.

28.7. 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.

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

28.9. Assistant General Manager, or his authorized representative will be the Officer-in-charge of these contracts.

SCOPE OF WORK

TENDER FOR PIPE SPOOL FABRICATION OF 70T BOLLARD PULL ASD-TUG

1. SCOPE OF CONTRACTOR:

1.1. Job to be executed on lumpsum turnkey basis which should be inclusive of material cost.

1.2. Pipe spool fabrication – 1500 Spools (Approx) per vessel.

1.3. The scope of work includes purchase of material by vendor (class certified wherever indicated in BOQ), fabrication at vendor premises, Galvanizing and pickling, transportation to yard (UCSL) and elimination of any imperfection or deficiency of the works until the project is completed.

1.4. The Contractor shall arrange all consumables, tools & tackles, cranes, laborer's, fabrication facility, surface treatment (galvanizing, pickling, painting, passivation) at his work site or at any sub vendors premises at his own responsibility and expenses.

1.5. The Contractor shall execute the work as per the specifications / drawings issued and to the satisfaction of UCSL.

1.6. Bending of pipe/tube spools will be required for less than 150 mm using bending machine. Desired bending radius will be 2D or 3D and maximum thickness upto 8 mm. The actual radius and dimension for bending will be provided with drawing.

1.7. Bending deformations (pipe thinning, ovality, Wrinkling, damages, cracks) will not be accepted.

1.8. Detailed piping and fittings Bill of Material (BOQ) is indicated in Annexure III

1.9. The contractor shall be responsible to UCSL for the following: -

a. Fabrication of the pipe spools as per drawing and piping standard as indicated by UCSL.

b. 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.

c. All Stainless Steel (SS) pipes to be only TIG welded

d. Welded beads on inside surface of fabricated pipes, except butt welded joints using backing ring, shall be finished to suit to the purpose of the respective piping system. In case of TIG welding pipes, inside finishing of butt joint shall be omitted.

e. The spools should undergo Hydro Testing at test pressures indicated in the drawings post completion of welding and same will be witnessed by UCSL QC team or surveyor as applicable. Hydrotesting at shop is applicable only for class 1 & 2. Class -3 pipes are pressure tested on-board during layout survey. However, if found any defect, same will be rectified by UCSL yard. Compensation with penalty for defective welding or loss of the item will be recovered from the Contractor.

f. Pipes which require Hot-Dip Galvanizing shall be done with sand/grit blasting/special cleaning/ pickling with approved chemicals etc. to remove oil, grease, paints, varnish, rust etc. to make the surface ready for Hot dip galvanizing and then galvanizing (85-120 microns).

g. Pipes in which pickling is required, shall require sand blasting prior going to pickling and one coat of Primer(spray)/paint(spray) coating of marine grade (Jotun/PPG/ Hempal) to be done.

h. Stainless steel pipe to be passivated or as the case may be.

i. Pickling/ galvanizing/Passivation to be done as per the details given in fabrication drawing/yard standard.

j. Punching of pipes with MLF/paint code/ Pipe spool numbers as indicated by UCSL in the drawings.

k. Packing, Pelleting and transportation to be done without damaging/ deforming. **Pipe end to be closed** (air tight), end cap is mandatory before dispatching to UCSL.

l. As per UCSL piping practice all pipes will having inspection by UCSL QC/OWNER, any imperfection/rejection/deficiency to be rectified by the contractor without any additional charges

1.10. Contractor shall maintain quality as per UCSL quality standards and yard quality procedures. UCSL will conduct inspection during fabrication.

1.11. The Bidder shall also be solely responsible for correct delivery of the materials in size, quantity, quality etc. in good conditions and obtaining clear receipts to that effect.

1.12. Entire work as per Work order must be completed within the time line as per UCSL load conditions. As a benchmark (400-450) No of pipe spools would be expected to be fabricated per month.

1.13. Bidder should be ready to work round the clock and multiple shifts as per UCSL's requirement/ instruction of officer-in-charge.

1.14. All works shall be as per strict compliance to approved UCSL drawings/material type/ QAP.

2. OTHER CONDITIONS:

2.1. The bidder should have qualified welders having relevant WPS approved by classification societies. Welding shall be done by qualified welders for respective WPS and the welders shall carry / submit the welder's certificate to Quality control department for records. The contactors shall requalify the welders if so, felt necessary or as mandated by the class. The fee as applicable for re-certification of welder shall be to contractor's scope.

2.2. The bidder's team shall include a qualified piping engineer having minimum 05 years post qualification experience in pipe fabrication / ship pipe repairs or piping on floating marine structures. Details of qualification & experience (CV) shall be submitted along with the offer.

2.3. The bidder shall have a qualified QA / QC team / department with relevant procedures for ensuring quality. Details of structure and strength of QA / QC team shall be submitted.

2.4. Bidder shall carry out the Quality Checks (QC) of the pipes and Quality Check should be offered to UCSL Quality Assurance team at their premises prior proceeding for pickling/passivation/painting/galvanization. QC reports to be provided along with pipe spools for dimensional accuracy, contractor's internal QC verification is required before welding of the spools.

2.5. Contractor shall prepare and submit a Quality Assurance Plan (QAP) to UCSL covering aspects such as type of QA check, quantum of QA check, reference documents, acceptance norms, records to be maintained etc. pertaining to various stages viz., raw material selection, fabrication, pickling, passivation, galvanizing, etc. Comments by UCSL shall be duly incorporated in the final QAP, which will be approved by UCSL. In addition, Contractor has to ensure QC inspection as required, during stages of fabrication as per the approved QAP.

2.6. QAP & schedule to be submitted prior commencement of work. All the works undertaken in bidder workshop/Site to be properly recorded along with photographs. After completion of work detailed report to be handed over.

2.7. Successful bidder shall procure Quality standard welding consumables for (TIG/Arc/Brazing) and certificates shall be submitted to UCSL for verification. Welding of pipes are to be done by qualified welders by classification societies. (Welders with WPS certificates)

2.8. Necessary HSE representative is also to be arranged by the subcontractor at his work site who shall ensure that the HSE requirements are complied.

2.9. Items as per BOQ procured to be made available at the yard.

3. SCOPE OF UCSL:

3.1. UCSL will provide necessary work instructions, technical specifications and applicable drawings etc. for the work.

3.2. 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.

3.3. Welder qualification shall be carried out by UCSL in presence of competent authority for acceptance and performing on the job woks. (The welder test will be conducted on chargeable basis)

3.4. Assistance from yard will be limited to Entry pass for personnel /Crane assistance/Fork Lift assistance for loading and unloading of items within UCSL premises, subject to availability at free of cost.

3.5. UCSL shall not be responsible for any compensation to personnel for injuries etc./damage to vehicles involved in accidents under any circumstance, whatsoever.

4. ADDITIONAL WORKS

4.1. This is a turnkey job and any additional works up to 7.5% growth of work on the material and spool fabrication in terms of total quantity of material and spools is to be envisaged and is to be undertaken without any additional price impact.

4.2. In case of additional work (rework/modification), written consent is to be obtained from the Officer-in-charge before commencement of the work.

4.3. Contractor shall carry out the complete work in accordance with Shipyard's approved drawings. Any minor modifications from drawing or any other work or supply of material, which is not specified hereunder, but is considered incidental and essential for the successful completion of the job shall be carried out by the Contractor without any additional charge.

4.4. The contractor shall be responsible for any damage caused to the spool's supplied to UCSL. Compensation with penalty for damage or loss of the item will be recovered from the Contractor, in the event of loss or damage.

5. INSPECTION

5.1. The complete work has to be carried out under the survey of UCSL Quality Control Dept.

5.2. Contractor to maintain the required dimensional accuracy and surface finish as per quality standards (to be provided by UCSL).

5.3. All welding works shall be carried out by approved and qualified welders only.

5.4. Welding spatters and slags on the flange face shall be removed.

5.5. Welded beads on inside surface of fabricated pipes, except butt welded joints using backing ring, shall be finished to suit to the purpose of the respective piping system. In case of TIG welding pipes, inside finishing of butt joint shall be omitted.

5.6. No holes other than those existing in the units are to be drilled to ease slinging while galvanizing. However, suitable hooks may be welded for slinging while galvanizing and removed later after galvanizing, at no extra cost. Any damage to the material while welding hooks or otherwise while in the premises of galvanizer should be rectified/replaced compensated by the bidder.

5.7. 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.

5.8. All welding machines are to be calibrated.

5.9. All test and Inspections shall be carried out as per approved Quality Plan.

5.10. All works shall be as per strict compliance to approved UCSL drawings.

5.11. All correspondence with the Shipyard to be in English language. All documents and plans to be in English language and in metric units.

PART B

GALVANISATION/PICKLING/PASSIVATION

SL. No	Description	Total Weight in Ton (A)
1	Hot Dip Galvanizing	30

Note:

1. Non-GI pipes inside and outside of pipe to be blasted upon completion.
2. Outside of pipe to be primer coated to avoid corrosion after completion.
3. **All ends to be properly closed with plastic end cap to avoid outside particles.**

PART A

FABRICATION QTY FOR CARBON STEEL & STAINLESS-STEEL PIPES

Category	Approx. Inch Diameter
CLASS PIPES	
Above 150 NB	70
100 NB to 150 NB	20
65 NB to 80 NB	70
32 NB to 50 NB	20
CARBON STEEL PIPES	
Above 150 NB	1200
100 NB to 150 NB	2700
65 NB to 80 NB	5400
32 NB to 50 NB	6600
SS PIPES	
Above 150 NB	20
100 NB to 150 NB	20
65 NB to 80 NB	30
32 NB to 50 NB	50
TOTAL ESTIMATE	**16200**

PART C
INDICATIVE BILL OF MATERIAL(BOM)

CLASS PIPE-CARBON STEEL												
SL. No.	Item Description	Size	OD	Sch	Thickness	Material	Material Category	Standard	Class	Qty	UOM	Remarks
1	Seamless Pipe	25	33.4	XXS	9.09	A53 Gr B	CARBON STEEL	ASME B36.10	III	1	Mtr	
2	Seamless Pipe	32	42.2	XXS	9.7	A53 Gr B	CARBON STEEL	ASME B36.10	III	1	Mtr	
3	Seamless Pipe	50	60.3	XXS	11.07	A53 Gr B	CARBON STEEL	ASME B36.10	III	1.5	Mtr	
4	Seamless Pipe	65	73	XXS	14.02	A53 Gr B	CARBON STEEL	ASME B36.10	III	10	Mtr	
5	Seamless Pipe	80	88.9	160	11.13	A53 Gr B	CARBON STEEL	ASME B36.10	III	1.5	Mtr	
6	Seamless Pipe	100	114.3	120	11.13	A53 Gr B	CARBON STEEL	ASME B36.10	III	1.5	Mtr	
7	Seamless Pipe	250	273	XS	12.7	A53 Gr B	CARBON STEEL	ASME B36.10	III	6	Mtr	
8	Seamless Pipe	550	559	XS	12.7	A53 Gr B	CARBON STEEL	ASME B36.10	III	6	Mtr	alternate SCH 80 28.58mm(t)

Note:
ABOVE MATERIALS TO BE CERTIFIED BY IRS CLASS.

NON-CLASS CARBON STEEL												
SL. No.	**Item Description**	**Size**	**OD**	**Sch**	**Thickness**	**Material**	**Material Category**	**Standard**	**Class**	**Qty**	**UOM**	**Remarks**
1	Seamless Pipe	100	114.3	20	-	A53 Gr B	CARBON STEEL	ASME B36.10	III	18	mtr	
2	Seamless Pipe	125	141.3	20	-	A53 Gr B	CARBON STEEL	ASME B36.10	III	24	mtr	
3	Seamless Pipe	450	457	20	7.92	A53 Gr B	CARBON STEEL	ASME B36.10	III	6	mtr	
4	Seamless Pipe	32	42.2	40	3.56	A53 Gr B	CARBON STEEL	ASME B36.10	III	150	mtr	
5	Seamless Pipe	40	48.3	40	3.68	A53 Gr B	CARBON STEEL	ASME B36.10	III	300	mtr	
6	Seamless Pipe	50	60.3	40	3.91	A53 Gr B	CARBON STEEL	ASME B36.10	III	300	mtr	
7	Seamless Pipe	65	73	40	5.16	A53 Gr B	CARBON STEEL	ASME B36.10	III	120	mtr	
8	Seamless Pipe	80	88.9	40	5.49	A53 Gr B	CARBON STEEL	ASME B36.10	III	180	mtr	
9	Seamless Pipe	100	114.3	40	6.02	A53 Gr B	CARBON STEEL	ASME B36.10	III	66	mtr	
10	Seamless Pipe	150	168.3	40	7.11	A53 Gr B	CARBON STEEL	ASME B36.10	III	6	mtr	
11	Seamless Pipe	32	42.2	80	4.85	A53 Gr B	CARBON STEEL	ASME B36.10	III	100	mtr	

NON-CLASS CARBON STEEL

SL. No.	Item Description	Size	OD	Sch	Thickness	Material	Material Category	Standard	Class	Qty	UOM	Remarks
12	Seamless Pipe	40	48.3	80	5.08	A53 Gr B	CARBON STEEL	ASME B36.10	III	100	mtr	
13	Seamless Pipe	50	60.3	80	5.54	A53 Gr B	CARBON STEEL	ASME B36.10	III	200	mtr	
14	Seamless Pipe	65	73	80	7.01	A53 Gr B	CARBON STEEL	ASME B36.10	III	120	mtr	
15	Seamless Pipe	80	88.9	80	7.62	A53 Gr B	CARBON STEEL	ASME B36.10	III	96	mtr	
16	Seamless Pipe	100	114.3	80	8.56	A53 Gr B	CARBON STEEL	ASME B36.10	III	142	mtr	
17	Seamless Pipe	125	141.3	80	9.53	A53 Gr B	CARBON STEEL	ASME B36.10	III	12	mtr	
18	Seamless Pipe	150	168.3	80	10.97	A53 Gr B	CARBON STEEL	ASME B36.10	III	20	mtr	
19	Seamless Pipe	250	273	XS	12.7	A53 Gr B	CARBON STEEL	ASME B36.10	III	18	mtr	
20	Seamless Pipe	300	323.8	XS	12.7	A53 Gr B	CARBON STEEL	ASME B36.10	III	2	mtr	
21	Seamless Pipe	350	355.6	XS	12.7	A53 Gr B	CARBON STEEL	ASME B36.10	III	18	mtr	
22	Seamless Pipe	400	406.4	XS	12.7	A53 Gr B	CARBON STEEL	ASME B36.10	III	1	mtr	
23	Seamless Pipe	500	508	XS	12.7	A53 Gr B	CARBON STEEL	ASME B36.10	III	6	mtr	Alternate SCH 80

CARBON STEEL FITTING											
SL. No.	Item Description	Size	OD	Sch	Thickness	Material	Material Category	Standard	Class	Qty	UOM
1	Concentric Reducer	550x400	-	XS	12.7	A53 Gr B	CARBON STEEL	ASME B36.10	III	1	No
2	Concentric Reducer	500x350	-	XS	12.7	A53 Gr B	CARBON STEEL	ASME B36.10	III	2	No
3	Elbow 90 degree 1.5D	500	508	XS	12.7	A53 Gr B	CARBON STEEL	ASME B36.10	III	1	No
4	Elbow 90 degree 1.5D	450	457	20	7.92	A53 Gr B	CARBON STEEL	ASME B36.10	III	7	No
5	Elbow 45 degree 1.5D	450	457	20	7.92	A53 Gr B	CARBON STEEL	ASME B36.10	III	2	No
6	Elbow 90 degree 1.5D	400	406.4	XS	12.7	A53 Gr B	CARBON STEEL	ASME B36.10	III	1	No
7	Concentric Reducer	350x150	-	XS	12.7	A53 Gr B	CARBON STEEL	ASME B36.10	III	2	No
8	Elbow 90 degree 1.5D	350	355.6	XS	12.7	A53 Gr B	CARBON STEEL	ASME B36.10	III	10	No
9	Elbow 45 degree 1.5D	350	355.6	XS	12.7	A53 Gr B	CARBON STEEL	ASME B36.10	III	1	No
10	Concentric Reducer	250x150	-	XS	12.7	A53 Gr B	CARBON STEEL	ASME B36.10	III	2	No
11	Elbow 90 degree 1.5D	250	273	XS	12.7	A53 Gr B	CARBON STEEL	ASME B36.10	III	5	No
12	Elbow 90 degree 1.5D	150	168.3	80	10.97	A53 Gr B	CARBON STEEL	ASME B36.10	III	16	No
13	Elbow 45 degree 1.5D	150	168.3	80	10.97	A53 Gr B	CARBON STEEL	ASME B36.10	III	6	No

CARBON STEEL FITTING

SL. No.	Item Description	Size	OD	Sch	Thickness	Material	Material Category	Standard	Class	Qty	UOM
14	Concentric Reducer	150x100	-	80	10.97	A53 Gr B	CARBON STEEL	ASME B36.10	III	2	No
15	Concentric Reducer	150x80	-	80	10.97	A53 Gr B	CARBON STEEL	ASME B36.10	III	1	No
16	Concentric Reducer	125x80	141.3	80	9.53	A53 Gr B	CARBON STEEL	ASME B36.10	III	1	No
17	Elbow 90 degree 1.5D	125	141.3	80	9.53	A53 Gr B	CARBON STEEL	ASME B36.10	III	6	No
18	Elbow 45 degree 1.5D	125	141.3	80	9.53	A53 Gr B	CARBON STEEL	ASME B36.10	III	4	No
19	Elbow 90 degree 1.5D	125	141.3	20	-	A53 Gr B	CARBON STEEL	ASME B36.10	III	10	No
20	Elbow 45 degree 1.5D	125	141.3	20	-	A53 Gr B	CARBON STEEL	ASME B36.10	III	8	No
21	Concentric Reducer	100x80	-	80	8.56	A53 Gr B	CARBON STEEL	ASME B36.10	III	11	No
22	Concentric Reducer	100x80	-	40	8.56	A53 Gr B	CARBON STEEL	ASME B36.10	III	10	No
23	Concentric Reducer	100x65	-	80	8.56	A53 Gr B	CARBON STEEL	ASME B36.10	III	4	No
24	Concentric Reducer	100x65	-	40	8.56	A53 Gr B	CARBON STEEL	ASME B36.10	III	11	No
25	Elbow 90 degree 1.5D	100	114.3	20	-	A53 Gr B	CARBON STEEL	ASME B36.10	III	7	No
27	Elbow 90 degree 1.5D	100	114.3	40	6.02	A53 Gr B	CARBON STEEL	ASME B36.10	III	100	No

CARBON STEEL FITTING											
SL. No.	**Item Description**	**Size**	**OD**	**Sch**	**Thickness**	**Material**	**Material Category**	**Standard**	**Class**	**Qty**	**UOM**
29	Elbow 90 degree 1.5D	100	114.3	80	8.56	A53 Gr B	CARBON STEEL	ASME B36.10	III	120	No
30	Elbow 45 degree 1.5D	100	114.3	80	8.56	A53 Gr B	CARBON STEEL	ASME B36.10	III	4	No
31	Concentric Reducer	80x65	-	80	7.62	A53 Gr B	CARBON STEEL	ASME B36.10	III	5	No
32	Concentric Reducer	80x50	-	80	7.62	A53 Gr B	CARBON STEEL	ASME B36.10	III	20	No
33	Concentric Reducer	80x40	-	80	7.62	A53 Gr B	CARBON STEEL	ASME B36.10	III	9	No
34	Concentric Reducer	80x32	-	80	7.62	A53 Gr B	CARBON STEEL	ASME B36.10	III	1	No
36	Concentric Reducer	80x50	-	40	5.49	A53 Gr B	CARBON STEEL	ASME B36.10	III	4	No
39	Elbow 90 degree 1.5D	80	88.9	80	7.62	A53 Gr B	CARBON STEEL	ASME B36.10	III	100	No
41	Elbow 90 degree 1.5D	80	88.9	40	5.49	A53 Gr B	CARBON STEEL	ASME B36.10	III	200	No
43	Sleeve	80	-	-	-	A53 Gr B	CARBON STEEL	ASME B36.10	III	32	No
44	Concentric Reducer	65x50	-	80	7.01	A53 Gr B	CARBON STEEL	ASME B36.10	III	10	No
45	Concentric Reducer	65x40	-	80	7.01	A53 Gr B	CARBON STEEL	ASME B36.10	III	10	No
46	Concentric Reducer	65x32	-	80	7.01	A53 Gr B	CARBON STEEL	ASME B36.10	III	3	No

CARBON STEEL FITTING

SL. No.	Item Description	Size	OD	Sch	Thickness	Material	Material Category	Standard	Class	Qty	UOM
47	Concentric Reducer	65x25	-	80	7.01	A53 Gr B	CARBON STEEL	ASME B36.10	III	1	No
48	Concentric Reducer	65x50	-	40	5.16	A53 Gr B	CARBON STEEL	ASME B36.10	III	5	No
49	Concentric Reducer	65x40	-	40	5.16	A53 Gr B	CARBON STEEL	ASME B36.10	III	10	No
50	Concentric Reducer	65x32	-	40	5.16	A53 Gr B	CARBON STEEL	ASME B36.10	III	1	No
52	Elbow 90 degree 1.5D	65	73	80	7.01	A53 Gr B	CARBON STEEL	ASME B36.10	III	80	No
53	Elbow 45 degree 1.5D	65	73	80	7.01	A53 Gr B	CARBON STEEL	ASME B36.10	III	40	No
54	Elbow 90 degree 1.5D	65	73	40	5.16	A53 Gr B	CARBON STEEL	ASME B36.10	III	110	No
55	Elbow 45 degree 1.5D	65	73	40	5.16	A53 Gr B	CARBON STEEL	ASME B36.10	III	40	No
56	Concentric Reducer	50x40	-	80	5.54	A53 Gr B	CARBON STEEL	ASME B36.10	III	5	No
57	Concentric Reducer	50x32	-	80	5.54	A53 Gr B	CARBON STEEL	ASME B36.10	III	4	No
58	Concentric Reducer	50x25	-	80	5.54	A53 Gr B	CARBON STEEL	ASME B36.10	III	2	No
59	Concentric Reducer	50x40	-	40	3.91	A53 Gr B	CARBON STEEL	ASME B36.10	III	1	No
60	Concentric Reducer	50x32	-	40	3.91	A53 Gr B	CARBON STEEL	ASME B36.10	III	6	No
61	Concentric Reducer	50x25	-	40	3.91	A53 Gr B	CARBON STEEL	ASME B36.10	III	3	No

CARBON STEEL FITTING											
SL. No.	Item Description	Size	OD	Sch	Thickness	Material	Material Category	Standard	Class	Qty	UOM
62	Elbow 90 degree 1.5D	50	60.3	80	5.54	A53 Gr B	CARBON STEEL	ASME B36.10	III	70	No
63	Elbow 45 degree 1.5D	50	60.3	80	5.54	A53 Gr B	CARBON STEEL	ASME B36.10	III	50	No
64	Elbow 90 degree 1.5D	50	60.3	40	3.91	A53 Gr B	CARBON STEEL	ASME B36.10	III	260	No
65	Elbow 45 degree 1.5D	50	60.3	40	3.91	A53 Gr B	CARBON STEEL	ASME B36.10	III	120	No
66	Concentric Reducer	40x32	-	80	5.08	A53 Gr B	CARBON STEEL	ASME B36.10	III	8	No
67	Concentric Reducer	40x25	-	80	5.08	A53 Gr B	CARBON STEEL	ASME B36.10	III	10	No
68	Concentric Reducer	40x20	-	80	5.08	A53 Gr B	CARBON STEEL	ASME B36.10	III	2	No
69	Concentric Reducer	40x15	-	80	5.08	A53 Gr B	CARBON STEEL	ASME B36.10	III	2	No
70	Concentric Reducer	40x32	-	40	3.68	A53 Gr B	CARBON STEEL	ASME B36.10	III	12	No
71	Concentric Reducer	40x25	-	40	3.68	A53 Gr B	CARBON STEEL	ASME B36.10	III	7	No
72	Concentric Reducer	40x20	-	40	3.68	A53 Gr B	CARBON STEEL	ASME B36.10	III	1	No
73	Concentric Reducer	40x15	-	40	3.68	A53 Gr B	CARBON STEEL	ASME B36.10	III	3	No
76	Elbow 90 degree 1.5D	40	48.3	40	3.68	A53 Gr B	CARBON STEEL	ASME B36.10	III	230	No

CARBON STEEL FITTING											
SL. No.	**Item Description**	**Size**	**OD**	**Sch**	**Thickness**	**Material**	**Material Category**	**Standard**	**Class**	**Qty**	**UOM**
77	Elbow 45 degree 1.5D	40	48.3	40	3.68	A53 Gr B	CARBON STEEL	ASME B36.10	III	100	No
81	Concentric Reducer	32x25	-	40	3.56	A53 Gr B	CARBON STEEL	ASME B36.10	III	8	No
82	Concentric Reducer	32x20	-	40	3.56	A53 Gr B	CARBON STEEL	ASME B36.10	III	1	No
83	Concentric Reducer	32x15	-	40	3.56	A53 Gr B	CARBON STEEL	ASME B36.10	III	5	No
84	Elbow 90 degree 1.5D	32	42.2	80	4.85	A53 Gr B	CARBON STEEL	ASME B36.10	III	25	No
85	Elbow 45 degree 1.5D	32	42.2	80	4.85	A53 Gr B	CARBON STEEL	ASME B36.10	III	10	No
86	Elbow 90 degree 1.5D	32	42.2	40	3.56	A53 Gr B	CARBON STEEL	ASME B36.10	III	100	No
87	Elbow 45 degree 1.5D	32	42.2	40	3.56	A53 Gr B	CARBON STEEL	ASME B36.10	III	30	No

MS FLANGE

SL. No.	Item Description	Size	Material	Material Category	Standard	Rating	Class	Qty	UOM
1	Slip On Flange	500	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN25	III	2	No
2	Slip On Flange	450	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN6	III	8	No
3	Slip On Flange	400	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN16	III	3	No
4	Slip On Flange	350	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN25	III	16	No
5	Slip On Flange	300	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN25	III	5	No
6	Slip On Flange	250	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN25	III	10	No
7	Slip On Flange	250	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN6	III	6	No
8	Slip On Flange	150	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN25	III	7	No
9	Slip On Flange	150	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN6	III	12	No
10	Slip On Flange	125	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN25	III	16	No
11	Slip On Flange	125	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN6	III	22	No
12	Slip On Flange	100	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN6	III	300	No
13	Slip On Flange	100	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN10	III	42	No
14	Slip On Flange	80	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN25	III	40	No
15	Slip On Flange	80	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN10	III	175	No
16	Slip On Flange	80	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN6	III	300	No
17	Slip On Flange	65	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN25	III	8	No
18	Slip On Flange	65	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN10	III	190	No
19	Slip On Flange	65	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN6	III	330	No
20	Slip On Flange	50	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN25	III	50	No
21	Slip On Flange	50	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN10	III	60	No
22	Slip On Flange	50	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN6	III	750	No
23	Weld Neck Flange	40	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN40	III	20	No
24	Slip On Flange	40	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN25	III	22	No
25	Slip On Flange	40	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN10	III	100	No
26	Slip On Flange	40	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN6	III	500	No
27	Slip On Flange	32	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN16	III	2	No
28	Slip On Flange	32	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN10	III	70	No
29	Slip On Flange	32	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN6	III	240	No

SS PIPE

SL. No.	Item Description	Size	OD	Sch	Thickness	Material	Material Category	Standard	Class	Qty	UOM	Remarks
1	Seamless Pipe	40	48	40	3.68	SS316L	STAINLESS STEEL	ASME B36.19M	III	12	mtr	
2	Seamless Pipe	50	60	40	3.91	SS316L	STAINLESS STEEL	ASME B36.19M	III	24	mtr	
3	Seamless Pipe	50	60	80	5.54	SS316L	STAINLESS STEEL	ASME B36.19M	III	6	mtr	
4	Seamless Pipe	65	73	40	5.16	SS316L	STAINLESS STEEL	ASME B36.19M	III	12	mtr	
5	Seamless Pipe	65	73	80	7.01	SS316L	STAINLESS STEEL	ASME B36.19M	III	6	mtr	
6	Seamless Pipe	80	89	40	5.49	SS316L	STAINLESS STEEL	ASME B36.19M	III	6	mtr	
7	Seamless Pipe	100	114	10	3.01	SS316L	STAINLESS STEEL	ASME B36.19M	III	6	mtr	ALTERNATE SCH 20
8	Seamless Pipe	125	141	10	3.4	SS316L	STAINLESS STEEL	ASME B36.19M	III	6	mtr	ALTERNATE SCH 20
9	Seamless Pipe	450	457	10	4.78	SS316L	STAINLESS STEEL	ASME B36.19M	III	12	mtr	ALTERNATE SCH 20

SS FITTING

SL. No.	Item Description	Size	OD	Sch	Thickness	Material	Material Category	Standard	Class	Qty	UOM
1	Concentric Reducer	80X50	-	40	5.49	SS316L	STAINLESS STEEL	ASME B36.19M	III	1	No
2	Concentric Reducer	50X25	-	40	3.91	SS316L	STAINLESS STEEL	ASME B36.19M	III	1	No
3	Concentric Reducer	40X32	-	40	3.68	SS316L	STAINLESS STEEL	ASME B36.19M	III	2	No
4	Concentric Reducer	40X25	-	40	3.68	SS316L	STAINLESS STEEL	ASME B36.19M	III	1	No
5	Elbow 90 degree 1.5D	450	457	10	4.78	SS316L	STAINLESS STEEL	ASME B36.19M	III	2	No
6	Elbow 90 degree 1.5D	125	141	10	3.4	SS316L	STAINLESS STEEL	ASME B36.19M	III	2	No
7	Elbow 90 degree 1.5D	100	114	10	3.01	SS316L	STAINLESS STEEL	ASME B36.19M	III	1	No
8	Elbow 90 degree 1.5D	65	73	40	5.16	SS316L	STAINLESS STEEL	ASME B36.19M	III	4	No
9	Elbow 90 degree 1.5D	50	60	80	5.54	SS316L	STAINLESS STEEL	ASME B36.19M	III	4	No
10	Elbow 90 degree 1.5D	50	60	40	3.91	SS316L	STAINLESS STEEL	ASME B36.19M	III	6	No
11	Elbow 45 degree 1.5D	50	60	40	3.91	SS316L	STAINLESS STEEL	ASME B36.19M	III	5	No

SS FLANGE

SL. No.	Item Description	Size	Material	Material Category	Standard	Rating	Class	Qty	UOM
1	Slip On Flange	450	SS316L	STAINLESS STEEL	EN1092-1	PN6	III	2	No
2	Slip On Flange	125	SS316L	STAINLESS STEEL	EN1092-1	PN6	III	2	No
3	Slip On Flange	100	SS316L	STAINLESS STEEL	EN1092-1	PN6	III	1	No
4	Slip On Flange	65	SS316L	STAINLESS STEEL	EN1092-1	PN6	III	20	No
5	Slip On Flange	50	SS316L	STAINLESS STEEL	EN1092-1	PN25	III	10	No
6	Slip On Flange	50	SS316L	STAINLESS STEEL	EN1092-1	PN10	III	30	No
7	Slip On Flange	50	SS316L	STAINLESS STEEL	EN1092-1	PN6	III	10	No
8	Slip On Flange	40	SS316L	STAINLESS STEEL	EN1092-1	PN10	III	15	No
9	Slip On Flange	40	SS316L	STAINLESS STEEL	EN1092-1	PN6	III	15	No

PENETRATION SLEEVES					
SL. No.	Line Size	Sleeve Size	MATERIALS		Qty
			Carbon Steel	SS 316L	
1	DN32	DN50 7.14 mm	7		7
2	DN40	DN50 SCH40	51	1	52
3	DN50	DN65 SCH40	37	5	42
4	DN65	DN80 SCH40	32	4	36
5	DN80	DN100 SCH120	24		24
6	DN100	DN125 SCH120	10		10
7	DN125	DN150 SCH80	1		1
8	DN350	ROLLED PLATE 10mm	2		2

Note:

1. Where IRS certificate is indicated, the item is to be certified by class as required and the proof for the same need to be submitted at UCSL with the materials.
2. This is a turnkey job and any additional works up to 7.5% growth of work on the material and spool fabrication in terms of total quantity of material and spools is to be envisaged and is to be undertaken without any additional price impact.

Annexure IV

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)
documents in respect of the above.

(Attested signature of Mr. .....)

For.....
(Name & designation)

(Company Seal)

UCSL/CC/SB/T/183-190/118/2025 DT: 19TH DECEMBER 2025

TENDER FOR PIPE SPOOL FABRICATION OF 70T BOLLARD PULL ASD-TUG UY.183-190 AT UCSL MALPE, KARNATAKA.

PRICE BID

Sl. No.	Work Description	UOM	Amount-INR
1	**PART A-** FABRICATION RATE FOR CARBON STEEL & STAINLESS-STEEL PIPES	LS	
2	**PART B** -RATE FOR GALVANISATION/PICKLING/PASSIVATION	LS	
3	**PART C-** BILL OF MATERIAL(BOQ)	LS	
4	**Total Amount:**		
5	**IGST/GST @.....:**		
6	**Grand Total Amount:**		
Grand total in words:			

Signature:

Address of the contractor:

Note:

1. L1 will be determined based on combined value of Annexure-V-A & Annexure-V-B.
2. The bidder should also fill the rate in Annexure-V (Page no: 02 to Page No.:17), but the same will not be considered for L1 determination.

PART A

FABRICATION RATE FOR CARBON STEEL & STAINLESS-STEEL PIPES

Category	Approx. Inch Diameter (A)	Unit rate (B)	Total Rate (C=A*B)
CLASS PIPES			
Above 150 NB	70		
100 NB to 150 NB	20		
65 NB to 80 NB	70		
32 NB to 50 NB	20		
CARBON STEEL PIPES			
Above 150 NB	1200		
100 NB to 150 NB	2700		
65 NB to 80 NB	5400		
32 NB to 50 NB	6600		
SS PIPES			
Above 150 NB	20		
100 NB to 150 NB	20		
65 NB to 80 NB	30		
32 NB to 50 NB	50		
TOTAL ESTIMATE	**16200**	**TOTAL AMOUNT**	

PART B

RATE FOR GALVANISATION/PICKLING/PASSIVATION

SL. No	Description	Total Weight in Ton (A)	Unit Rate/Ton (B)	Total Amount (C=A*B)
1	Hot Dip Galvanizing	30		Rs..... (Per Ton)

PART C
INDICATIVE BILL OF MATERIAL(BOM)

CLASS PIPE-CARBON STEEL													
SL. No.	Item Description	Size	OD	Sch	Thickness	Material	Material Category	Standard	Class	Qty	UOM	Unit Price	Amount
1	Seamless Pipe	25	33.4	XXS	9.09	A53 Gr B	CARBON STEEL	ASME B36.10	III	1	Mtr		
2	Seamless Pipe	32	42.2	XXS	9.7	A53 Gr B	CARBON STEEL	ASME B36.10	III	1	Mtr		
3	Seamless Pipe	50	60.3	XXS	11.07	A53 Gr B	CARBON STEEL	ASME B36.10	III	1.5	Mtr		
4	Seamless Pipe	65	73	XXS	14.02	A53 Gr B	CARBON STEEL	ASME B36.10	III	10	Mtr		
5	Seamless Pipe	80	88.9	160	11.13	A53 Gr B	CARBON STEEL	ASME B36.10	III	1.5	Mtr		
6	Seamless Pipe	100	114.3	120	11.13	A53 Gr B	CARBON STEEL	ASME B36.10	III	1.5	Mtr		
7	Seamless Pipe	250	273	XS	12.7	A53 Gr B	CARBON STEEL	ASME B36.10	III	6	Mtr		
8	Seamless Pipe	550	559	XS	12.7	A53 Gr B	CARBON STEEL	ASME B36.10	III	6	Mtr		

NON-CLASS CARBON STEEL

SL. No.	Item Description	Size	OD	Sch	Thickness	Material	Material Category	Standard	Class	Qty	UOM	Unit Price	Amount
1	Seamless Pipe	100	114.3	20	-	A53 Gr B	CARBON STEEL	ASME B36.10	III	18	mtr		
2	Seamless Pipe	125	141.3	20	-	A53 Gr B	CARBON STEEL	ASME B36.10	III	24	mtr		
3	Seamless Pipe	450	457	20	7.92	A53 Gr B	CARBON STEEL	ASME B36.10	III	6	mtr		
4	Seamless Pipe	32	42.2	40	3.56	A53 Gr B	CARBON STEEL	ASME B36.10	III	150	mtr		
5	Seamless Pipe	40	48.3	40	3.68	A53 Gr B	CARBON STEEL	ASME B36.10	III	300	mtr		
6	Seamless Pipe	50	60.3	40	3.91	A53 Gr B	CARBON STEEL	ASME B36.10	III	300	mtr		
7	Seamless Pipe	65	73	40	5.16	A53 Gr B	CARBON STEEL	ASME B36.10	III	120	mtr		
8	Seamless Pipe	80	88.9	40	5.49	A53 Gr B	CARBON STEEL	ASME B36.10	III	180	mtr		
9	Seamless Pipe	100	114.3	40	6.02	A53 Gr B	CARBON STEEL	ASME B36.10	III	66	mtr		
10	Seamless Pipe	150	168.3	40	7.11	A53 Gr B	CARBON STEEL	ASME B36.10	III	6	mtr		
11	Seamless Pipe	32	42.2	80	4.85	A53 Gr B	CARBON STEEL	ASME B36.10	III	100	mtr		

NON-CLASS CARBON STEEL

SL. No.	Item Description	Size	OD	Sch	Thickness	Material	Material Category	Standard	Class	Qty	UOM	Unit Price	Amount
12	Seamless Pipe	40	48.3	80	5.08	A53 Gr B	CARBON STEEL	ASME B36.10	III	100	mtr		
13	Seamless Pipe	50	60.3	80	5.54	A53 Gr B	CARBON STEEL	ASME B36.10	III	200	mtr		
14	Seamless Pipe	65	73	80	7.01	A53 Gr B	CARBON STEEL	ASME B36.10	III	120	mtr		
15	Seamless Pipe	80	88.9	80	7.62	A53 Gr B	CARBON STEEL	ASME B36.10	III	96	mtr		
16	Seamless Pipe	100	114.3	80	8.56	A53 Gr B	CARBON STEEL	ASME B36.10	III	142	mtr		
17	Seamless Pipe	125	141.3	80	9.53	A53 Gr B	CARBON STEEL	ASME B36.10	III	12	mtr		
18	Seamless Pipe	150	168.3	80	10.97	A53 Gr B	CARBON STEEL	ASME B36.10	III	20	mtr		
19	Seamless Pipe	250	273	XS	12.7	A53 Gr B	CARBON STEEL	ASME B36.10	III	18	mtr		
20	Seamless Pipe	300	323.8	XS	12.7	A53 Gr B	CARBON STEEL	ASME B36.10	III	2	mtr		
21	Seamless Pipe	350	355.6	XS	12.7	A53 Gr B	CARBON STEEL	ASME B36.10	III	18	mtr		
22	Seamless Pipe	400	406.4	XS	12.7	A53 Gr B	CARBON STEEL	ASME B36.10	III	1	mtr		
23	Seamless Pipe	500	508	XS	12.7	A53 Gr B	CARBON STEEL	ASME B36.10	III	6	mtr		
												Total Amount:	

CARBON STEEL FITTING													
SL. No.	Item Description	Size	OD	Sch	Thickness	Material	Material Category	Standard	Class	Qty	UOM	Unit Rate	Amount
1	Concentric Reducer	550x400	-	XS	12.7	A53 Gr B	CARBON STEEL	ASME B36.10	III	1	No		
2	Concentric Reducer	500x350	-	XS	12.7	A53 Gr B	CARBON STEEL	ASME B36.10	III	2	No		
3	Elbow 90 degree 1.5D	500	508	XS	12.7	A53 Gr B	CARBON STEEL	ASME B36.10	III	1	No		
4	Elbow 90 degree 1.5D	450	457	20	7.92	A53 Gr B	CARBON STEEL	ASME B36.10	III	7	No		
5	Elbow 45 degree 1.5D	450	457	20	7.92	A53 Gr B	CARBON STEEL	ASME B36.10	III	2	No		
6	Elbow 90 degree 1.5D	400	406.4	XS	12.7	A53 Gr B	CARBON STEEL	ASME B36.10	III	1	No		
7	Concentric Reducer	350x150	-	XS	12.7	A53 Gr B	CARBON STEEL	ASME B36.10	III	2	No		
8	Elbow 90 degree 1.5D	350	355.6	XS	12.7	A53 Gr B	CARBON STEEL	ASME B36.10	III	10	No		
9	Elbow 45 degree 1.5D	350	355.6	XS	12.7	A53 Gr B	CARBON STEEL	ASME B36.10	III	1	No		
10	Concentric Reducer	250x150	-	XS	12.7	A53 Gr B	CARBON STEEL	ASME B36.10	III	2	No		
11	Elbow 90 degree 1.5D	250	273	XS	12.7	A53 Gr B	CARBON STEEL	ASME B36.10	III	5	No		
12	Elbow 90 degree 1.5D	150	168.3	80	10.97	A53 Gr B	CARBON STEEL	ASME B36.10	III	16	No		
13	Elbow 45 degree 1.5D	150	168.3	80	10.97	A53 Gr B	CARBON STEEL	ASME B36.10	III	6	No		

CARBON STEEL FITTING													
SL. No.	Item Description	Size	OD	Sch	Thickness	Material	Material Category	Standard	Class	Qty	UOM	Unit Rate	Amount
14	Concentric Reducer	150x100	-	80	10.97	A53 Gr B	CARBON STEEL	ASME B36.10	III	2	No		
15	Concentric Reducer	150x80	-	80	10.97	A53 Gr B	CARBON STEEL	ASME B36.10	III	1	No		
16	Concentric Reducer	125x80	141.3	80	9.53	A53 Gr B	CARBON STEEL	ASME B36.10	III	1	No		
17	Elbow 90 degree 1.5D	125	141.3	80	9.53	A53 Gr B	CARBON STEEL	ASME B36.10	III	6	No		
18	Elbow 45 degree 1.5D	125	141.3	80	9.53	A53 Gr B	CARBON STEEL	ASME B36.10	III	4	No		
19	Elbow 90 degree 1.5D	125	141.3	20	-	A53 Gr B	CARBON STEEL	ASME B36.10	III	10	No		
20	Elbow 45 degree 1.5D	125	141.3	20	-	A53 Gr B	CARBON STEEL	ASME B36.10	III	8	No		
21	Concentric Reducer	100x80	-	80	8.56	A53 Gr B	CARBON STEEL	ASME B36.10	III	11	No		
22	Concentric Reducer	100x80	-	40	8.56	A53 Gr B	CARBON STEEL	ASME B36.10	III	10	No		
23	Concentric Reducer	100x65	-	80	8.56	A53 Gr B	CARBON STEEL	ASME B36.10	III	4	No		
24	Concentric Reducer	100x65	-	40	8.56	A53 Gr B	CARBON STEEL	ASME B36.10	III	11	No		
25	Elbow 90 degree 1.5D	100	114.3	20	-	A53 Gr B	CARBON STEEL	ASME B36.10	III	7	No		
27	Elbow 90 degree 1.5D	100	114.3	40	6.02	A53 Gr B	CARBON STEEL	ASME B36.10	III	100	No		

CARBON STEEL FITTING													
SL. No.	Item Description	Size	OD	Sch	Thickness	Material	Material Category	Standard	Class	Qty	UOM	Unit Rate	Amount
29	Elbow 90 degree 1.5D	100	114.3	80	8.56	A53 Gr B	CARBON STEEL	ASME B36.10	III	120	No		
30	Elbow 45 degree 1.5D	100	114.3	80	8.56	A53 Gr B	CARBON STEEL	ASME B36.10	III	4	No		
31	Concentric Reducer	80x65	-	80	7.62	A53 Gr B	CARBON STEEL	ASME B36.10	III	5	No		
32	Concentric Reducer	80x50	-	80	7.62	A53 Gr B	CARBON STEEL	ASME B36.10	III	20	No		
33	Concentric Reducer	80x40	-	80	7.62	A53 Gr B	CARBON STEEL	ASME B36.10	III	9	No		
34	Concentric Reducer	80x32	-	80	7.62	A53 Gr B	CARBON STEEL	ASME B36.10	III	1	No		
36	Concentric Reducer	80x50	-	40	5.49	A53 Gr B	CARBON STEEL	ASME B36.10	III	4	No		
39	Elbow 90 degree 1.5D	80	88.9	80	7.62	A53 Gr B	CARBON STEEL	ASME B36.10	III	100	No		
41	Elbow 90 degree 1.5D	80	88.9	40	5.49	A53 Gr B	CARBON STEEL	ASME B36.10	III	200	No		
43	Sleeve	80	-	-	-	A53 Gr B	CARBON STEEL	ASME B36.10	III	32	No		
44	Concentric Reducer	65x50	-	80	7.01	A53 Gr B	CARBON STEEL	ASME B36.10	III	10	No		
45	Concentric Reducer	65x40	-	80	7.01	A53 Gr B	CARBON STEEL	ASME B36.10	III	10	No		
46	Concentric Reducer	65x32	-	80	7.01	A53 Gr B	CARBON STEEL	ASME B36.10	III	3	No		

CARBON STEEL FITTING													
SL. No.	Item Description	Size	OD	Sch	Thickness	Material	Material Category	Standard	Class	Qty	UOM	Unit Rate	Amount
47	Concentric Reducer	65x25	-	80	7.01	A53 Gr B	CARBON STEEL	ASME B36.10	III	1	No		
48	Concentric Reducer	65x50	-	40	5.16	A53 Gr B	CARBON STEEL	ASME B36.10	III	5	No		
49	Concentric Reducer	65x40	-	40	5.16	A53 Gr B	CARBON STEEL	ASME B36.10	III	10	No		
50	Concentric Reducer	65x32	-	40	5.16	A53 Gr B	CARBON STEEL	ASME B36.10	III	1	No		
52	Elbow 90 degree 1.5D	65	73	80	7.01	A53 Gr B	CARBON STEEL	ASME B36.10	III	80	No		
53	Elbow 45 degree 1.5D	65	73	80	7.01	A53 Gr B	CARBON STEEL	ASME B36.10	III	40	No		
54	Elbow 90 degree 1.5D	65	73	40	5.16	A53 Gr B	CARBON STEEL	ASME B36.10	III	110	No		
55	Elbow 45 degree 1.5D	65	73	40	5.16	A53 Gr B	CARBON STEEL	ASME B36.10	III	40	No		
56	Concentric Reducer	50x40	-	80	5.54	A53 Gr B	CARBON STEEL	ASME B36.10	III	5	No		
57	Concentric Reducer	50x32	-	80	5.54	A53 Gr B	CARBON STEEL	ASME B36.10	III	4	No		
58	Concentric Reducer	50x25	-	80	5.54	A53 Gr B	CARBON STEEL	ASME B36.10	III	2	No		
59	Concentric Reducer	50x40	-	40	3.91	A53 Gr B	CARBON STEEL	ASME B36.10	III	1	No		
60	Concentric Reducer	50x32	-	40	3.91	A53 Gr B	CARBON STEEL	ASME B36.10	III	6	No		
61	Concentric Reducer	50x25	-	40	3.91	A53 Gr B	CARBON STEEL	ASME B36.10	III	3	No		

CARBON STEEL FITTING

SL. No.	Item Description	Size	OD	Sch	Thickness	Material	Material Category	Standard	Class	Qty	UOM	Unit Rate	Amount
62	Elbow 90 degree 1.5D	50	60.3	80	5.54	A53 Gr B	CARBON STEEL	ASME B36.10	III	70	No		
63	Elbow 45 degree 1.5D	50	60.3	80	5.54	A53 Gr B	CARBON STEEL	ASME B36.10	III	50	No		
64	Elbow 90 degree 1.5D	50	60.3	40	3.91	A53 Gr B	CARBON STEEL	ASME B36.10	III	260	No		
65	Elbow 45 degree 1.5D	50	60.3	40	3.91	A53 Gr B	CARBON STEEL	ASME B36.10	III	120	No		
66	Concentric Reducer	40x32	-	80	5.08	A53 Gr B	CARBON STEEL	ASME B36.10	III	8	No		
67	Concentric Reducer	40x25	-	80	5.08	A53 Gr B	CARBON STEEL	ASME B36.10	III	10	No		
68	Concentric Reducer	40x20	-	80	5.08	A53 Gr B	CARBON STEEL	ASME B36.10	III	2	No		
69	Concentric Reducer	40x15	-	80	5.08	A53 Gr B	CARBON STEEL	ASME B36.10	III	2	No		
70	Concentric Reducer	40x32	-	40	3.68	A53 Gr B	CARBON STEEL	ASME B36.10	III	12	No		
71	Concentric Reducer	40x25	-	40	3.68	A53 Gr B	CARBON STEEL	ASME B36.10	III	7	No		
72	Concentric Reducer	40x20	-	40	3.68	A53 Gr B	CARBON STEEL	ASME B36.10	III	1	No		
73	Concentric Reducer	40x15	-	40	3.68	A53 Gr B	CARBON STEEL	ASME B36.10	III	3	No		
76	Elbow 90 degree 1.5D	40	48.3	40	3.68	A53 Gr B	CARBON STEEL	ASME B36.10	III	230	No		

CARBON STEEL FITTING													
SL. No.	Item Description	Size	OD	Sch	Thickness	Material	Material Category	Standard	Class	Qty	UOM	Unit Rate	Amount
77	Elbow 45 degree 1.5D	40	48.3	40	3.68	A53 Gr B	CARBON STEEL	ASME B36.10	III	100	No		
81	Concentric Reducer	32x25	-	40	3.56	A53 Gr B	CARBON STEEL	ASME B36.10	III	8	No		
82	Concentric Reducer	32x20	-	40	3.56	A53 Gr B	CARBON STEEL	ASME B36.10	III	1	No		
83	Concentric Reducer	32x15	-	40	3.56	A53 Gr B	CARBON STEEL	ASME B36.10	III	5	No		
84	Elbow 90 degree 1.5D	32	42.2	80	4.85	A53 Gr B	CARBON STEEL	ASME B36.10	III	25	No		
85	Elbow 45 degree 1.5D	32	42.2	80	4.85	A53 Gr B	CARBON STEEL	ASME B36.10	III	10	No		
86	Elbow 90 degree 1.5D	32	42.2	40	3.56	A53 Gr B	CARBON STEEL	ASME B36.10	III	100	No		
87	Elbow 45 degree 1.5D	32	42.2	40	3.56	A53 Gr B	CARBON STEEL	ASME B36.10	III	30	No		
												Total Amount:	

MS FLANGE

SL. No.	Item Description	Size	Material	Material Category	Standard	Rating	Class	Qty	UOM	Rate	Amount
1	Slip On Flange	500	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN25	III	2	No		
2	Slip On Flange	450	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN6	III	8	No		
3	Slip On Flange	400	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN16	III	3	No		
4	Slip On Flange	350	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN25	III	16	No		
5	Slip On Flange	300	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN25	III	5	No		
6	Slip On Flange	250	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN25	III	10	No		
7	Slip On Flange	250	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN6	III	6	No		
8	Slip On Flange	150	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN25	III	7	No		
9	Slip On Flange	150	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN6	III	12	No		
10	Slip On Flange	125	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN25	III	16	No		
11	Slip On Flange	125	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN6	III	22	No		
12	Slip On Flange	100	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN6	III	300	No		
13	Slip On Flange	100	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN10	III	42	No		
14	Slip On Flange	80	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN25	III	40	No		
15	Slip On Flange	80	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN10	III	175	No		
16	Slip On Flange	80	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN6	III	300	No		
17	Slip On Flange	65	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN25	III	8	No		
18	Slip On Flange	65	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN10	III	190	No		
19	Slip On Flange	65	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN6	III	330	No		
20	Slip On Flange	50	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN25	III	50	No		
21	Slip On Flange	50	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN10	III	60	No		
22	Slip On Flange	50	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN6	III	750	No		
23	Weld Neck Flange	40	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN40	III	20	No		
24	Slip On Flange	40	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN25	III	22	No		
25	Slip On Flange	40	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN10	III	100	No		
26	Slip On Flange	40	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN6	III	500	No		
27	Slip On Flange	32	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN16	III	2	No		
28	Slip On Flange	32	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN10	III	70	No		
29	Slip On Flange	32	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN6	III	240	No		

Total Amount:	

SS PIPE

SL. No.	Item Description	Size	OD	Sch	Thickness	Material	Material Category	Standard	Class	Qty	UOM	Rate	Amount
1	Seamless Pipe	40	48	40	3.68	SS316L	STAINLESS STEEL	ASME B36.19M	III	12	mtr		
2	Seamless Pipe	50	60	40	3.91	SS316L	STAINLESS STEEL	ASME B36.19M	III	24	mtr		
3	Seamless Pipe	50	60	80	5.54	SS316L	STAINLESS STEEL	ASME B36.19M	III	6	mtr		
4	Seamless Pipe	65	73	40	5.16	SS316L	STAINLESS STEEL	ASME B36.19M	III	12	mtr		
5	Seamless Pipe	65	73	80	7.01	SS316L	STAINLESS STEEL	ASME B36.19M	III	6	mtr		
6	Seamless Pipe	80	89	40	5.49	SS316L	STAINLESS STEEL	ASME B36.19M	III	6	mtr		
7	Seamless Pipe	100	114	10	3.01	SS316L	STAINLESS STEEL	ASME B36.19M	III	6	mtr		
8	Seamless Pipe	125	141	10	3.4	SS316L	STAINLESS STEEL	ASME B36.19M	III	6	mtr		
9	Seamless Pipe	450	457	10	4.78	SS316L	STAINLESS STEEL	ASME B36.19M	III	12	mtr		
												Total Amount:	

CONTRACT CELL
UDUPI COCHIN SHIPYARD LIMITED

SS FITTING													
SL. No.	Item Description	Size	OD	Sch	Thickness	Material	Material Category	Standard	Class	Qty	UOM	Rate	Amount
1	Concentric Reducer	80X50	-	40	5.49	SS316L	STAINLESS STEEL	ASME B36.19M	III	1	No		
2	Concentric Reducer	50X25	-	40	3.91	SS316L	STAINLESS STEEL	ASME B36.19M	III	1	No		
3	Concentric Reducer	40X32	-	40	3.68	SS316L	STAINLESS STEEL	ASME B36.19M	III	2	No		
4	Concentric Reducer	40X25	-	40	3.68	SS316L	STAINLESS STEEL	ASME B36.19M	III	1	No		
5	Elbow 90 degree 1.5D	450	457	10	4.78	SS316L	STAINLESS STEEL	ASME B36.19M	III	2	No		
6	Elbow 90 degree 1.5D	125	141	10	3.4	SS316L	STAINLESS STEEL	ASME B36.19M	III	2	No		
7	Elbow 90 degree 1.5D	100	114	10	3.01	SS316L	STAINLESS STEEL	ASME B36.19M	III	1	No		
8	Elbow 90 degree 1.5D	65	73	40	5.16	SS316L	STAINLESS STEEL	ASME B36.19M	III	4	No		
9	Elbow 90 degree 1.5D	50	60	80	5.54	SS316L	STAINLESS STEEL	ASME B36.19M	III	4	No		
10	Elbow 90 degree 1.5D	50	60	40	3.91	SS316L	STAINLESS STEEL	ASME B36.19M	III	6	No		
11	Elbow 45 degree 1.5D	50	60	40	3.91	SS316L	STAINLESS STEEL	ASME B36.19M	III	5	No		
											Total Amount:		

SS FLANGE											
SL. No.	Item Description	Size	Material	Material Category	Standard	Rating	Class	Qty	UOM	Rate	Amount
1	Slip On Flange	450	SS316L	STAINLESS STEEL	EN1092-1	PN6	III	2	No		
2	Slip On Flange	125	SS316L	STAINLESS STEEL	EN1092-1	PN6	III	2	No		
3	Slip On Flange	100	SS316L	STAINLESS STEEL	EN1092-1	PN6	III	1	No		
4	Slip On Flange	65	SS316L	STAINLESS STEEL	EN1092-1	PN6	III	20	No		
5	Slip On Flange	50	SS316L	STAINLESS STEEL	EN1092-1	PN25	III	10	No		
6	Slip On Flange	50	SS316L	STAINLESS STEEL	EN1092-1	PN10	III	30	No		
7	Slip On Flange	50	SS316L	STAINLESS STEEL	EN1092-1	PN6	III	10	No		
8	Slip On Flange	40	SS316L	STAINLESS STEEL	EN1092-1	PN10	III	15	No		
9	Slip On Flange	40	SS316L	STAINLESS STEEL	EN1092-1	PN6	III	15	No		
									Total Amount:		

PENETRATION SLEEVES								
SL. No.	Line Size	Sleeve Size	MATERIALS				Total Qty	Amount
			Carbon Steel	Unit Rate	SS 316L	Unit Rate		
1	DN32	DN50 7.14 mm	7		-	-	7	
2	DN40	DN50 SCH40	51		1		52	
3	DN50	DN65 SCH40	37		5		42	
4	DN65	DN80 SCH40	32		4		36	
5	DN80	DN100 SCH120	24		-	-	24	
6	DN100	DN125 SCH120	10		-	-	10	
7	DN125	DN150 SCH80	1		-	-	1	
8	DN350	ROLLED PLATE 10mm	2		-	-	2	
							Total Amount:	

UCSL/CC/SB/T/183-190/118/2025 DT: 19TH DECEMBER 2025

TENDER FOR PIPE SPOOL FABRICATION OF 70T BOLLARD PULL ASD-TUG UY. 191-192 AT CSL COCHIN, KERALA.

PRICE BID

Sl. No.	Work Description	UOM	Amount-INR
1	**PART A-** FABRICATION RATE FOR CARBON STEEL & STAINLESS-STEEL PIPES	LS	
2	**PART B** -RATE FOR GALVANISATION/PICKLING/PASSIVATION	LS	
3	**PART C-** BILL OF MATERIAL(BOQ)	LS	
4	**Total Amount:**		
5	**IGST/GST @.....:**		
6	**Grand Total Amount:**		
Grand total in words:			

Signature:

Address of the contractor:

Note:

1. L1 will be determined based on combined value of Annexure-V-A & Annexure-V-B.
2. The bidder should also fill the rate in Annexure-V (Page no: 02 to Page No.:17), but the same will not be considered for L1 determination.

PART A

FABRICATION RATE FOR CARBON STEEL & STAINLESS-STEEL PIPES

Category	Approx. Inch Diameter (A)	Unit rate (B)	Total Rate (C=A*B)
CLASS PIPES			
Above 150 NB	70		
100 NB to 150 NB	20		
65 NB to 80 NB	70		
32 NB to 50 NB	20		
CARBON STEEL PIPES			
Above 150 NB	1200		
100 NB to 150 NB	2700		
65 NB to 80 NB	5400		
32 NB to 50 NB	6600		
SS PIPES			
Above 150 NB	20		
100 NB to 150 NB	20		
65 NB to 80 NB	30		
32 NB to 50 NB	50		
TOTAL ESTIMATE	**16200**	**TOTAL AMOUNT**	

PART B

RATE FOR GALVANISATION/PICKLING/PASSIVATION

SL. No	Description	Total Weight in Ton (A)	Unit Rate/Ton (B)	Total Amount (C=A*B)
1	Hot Dip Galvanizing	30		Rs..... (Per Ton)

PART C
INDICATIVE BILL OF MATERIAL(BOM)

CLASS PIPE-CARBON STEEL													
SL. No.	**Item Description**	**Size**	**OD**	**Sch**	**Thickness**	**Material**	**Material Category**	**Standard**	**Class**	**Qty**	**UOM**	**Unit Price**	**Amount**
1	Seamless Pipe	25	33.4	XXS	9.09	A53 Gr B	CARBON STEEL	ASME B36.10	III	1	Mtr		
2	Seamless Pipe	32	42.2	XXS	9.7	A53 Gr B	CARBON STEEL	ASME B36.10	III	1	Mtr		
3	Seamless Pipe	50	60.3	XXS	11.07	A53 Gr B	CARBON STEEL	ASME B36.10	III	1.5	Mtr		
4	Seamless Pipe	65	73	XXS	14.02	A53 Gr B	CARBON STEEL	ASME B36.10	III	10	Mtr		
5	Seamless Pipe	80	88.9	160	11.13	A53 Gr B	CARBON STEEL	ASME B36.10	III	1.5	Mtr		
6	Seamless Pipe	100	114.3	120	11.13	A53 Gr B	CARBON STEEL	ASME B36.10	III	1.5	Mtr		
7	Seamless Pipe	250	273	XS	12.7	A53 Gr B	CARBON STEEL	ASME B36.10	III	6	Mtr		
8	Seamless Pipe	550	559	XS	12.7	A53 Gr B	CARBON STEEL	ASME B36.10	III	6	Mtr		

NON-CLASS CARBON STEEL

SL. No.	Item Description	Size	OD	Sch	Thickness	Material	Material Category	Standard	Class	Qty	UOM	Unit Price	Amount
1	Seamless Pipe	100	114.3	20	-	A53 Gr B	CARBON STEEL	ASME B36.10	III	18	mtr		
2	Seamless Pipe	125	141.3	20	-	A53 Gr B	CARBON STEEL	ASME B36.10	III	24	mtr		
3	Seamless Pipe	450	457	20	7.92	A53 Gr B	CARBON STEEL	ASME B36.10	III	6	mtr		
4	Seamless Pipe	32	42.2	40	3.56	A53 Gr B	CARBON STEEL	ASME B36.10	III	150	mtr		
5	Seamless Pipe	40	48.3	40	3.68	A53 Gr B	CARBON STEEL	ASME B36.10	III	300	mtr		
6	Seamless Pipe	50	60.3	40	3.91	A53 Gr B	CARBON STEEL	ASME B36.10	III	300	mtr		
7	Seamless Pipe	65	73	40	5.16	A53 Gr B	CARBON STEEL	ASME B36.10	III	120	mtr		
8	Seamless Pipe	80	88.9	40	5.49	A53 Gr B	CARBON STEEL	ASME B36.10	III	180	mtr		
9	Seamless Pipe	100	114.3	40	6.02	A53 Gr B	CARBON STEEL	ASME B36.10	III	66	mtr		
10	Seamless Pipe	150	168.3	40	7.11	A53 Gr B	CARBON STEEL	ASME B36.10	III	6	mtr		
11	Seamless Pipe	32	42.2	80	4.85	A53 Gr B	CARBON STEEL	ASME B36.10	III	100	mtr		

NON-CLASS CARBON STEEL

SL. No.	Item Description	Size	OD	Sch	Thickness	Material	Material Category	Standard	Class	Qty	UOM	Unit Price	Amount
12	Seamless Pipe	40	48.3	80	5.08	A53 Gr B	CARBON STEEL	ASME B36.10	III	100	mtr		
13	Seamless Pipe	50	60.3	80	5.54	A53 Gr B	CARBON STEEL	ASME B36.10	III	200	mtr		
14	Seamless Pipe	65	73	80	7.01	A53 Gr B	CARBON STEEL	ASME B36.10	III	120	mtr		
15	Seamless Pipe	80	88.9	80	7.62	A53 Gr B	CARBON STEEL	ASME B36.10	III	96	mtr		
16	Seamless Pipe	100	114.3	80	8.56	A53 Gr B	CARBON STEEL	ASME B36.10	III	142	mtr		
17	Seamless Pipe	125	141.3	80	9.53	A53 Gr B	CARBON STEEL	ASME B36.10	III	12	mtr		
18	Seamless Pipe	150	168.3	80	10.97	A53 Gr B	CARBON STEEL	ASME B36.10	III	20	mtr		
19	Seamless Pipe	250	273	XS	12.7	A53 Gr B	CARBON STEEL	ASME B36.10	III	18	mtr		
20	Seamless Pipe	300	323.8	XS	12.7	A53 Gr B	CARBON STEEL	ASME B36.10	III	2	mtr		
21	Seamless Pipe	350	355.6	XS	12.7	A53 Gr B	CARBON STEEL	ASME B36.10	III	18	mtr		
22	Seamless Pipe	400	406.4	XS	12.7	A53 Gr B	CARBON STEEL	ASME B36.10	III	1	mtr		
23	Seamless Pipe	500	508	XS	12.7	A53 Gr B	CARBON STEEL	ASME B36.10	III	6	mtr		
												Total Amount:	

CARBON STEEL FITTING

SL. No.	Item Description	Size	OD	Sch	Thickness	Material	Material Category	Standard	Class	Qty	UOM	Unit Rate	Amount
1	Concentric Reducer	550x400	-	XS	12.7	A53 Gr B	CARBON STEEL	ASME B36.10	III	1	No		
2	Concentric Reducer	500x350	-	XS	12.7	A53 Gr B	CARBON STEEL	ASME B36.10	III	2	No		
3	Elbow 90 degree 1.5D	500	508	XS	12.7	A53 Gr B	CARBON STEEL	ASME B36.10	III	1	No		
4	Elbow 90 degree 1.5D	450	457	20	7.92	A53 Gr B	CARBON STEEL	ASME B36.10	III	7	No		
5	Elbow 45 degree 1.5D	450	457	20	7.92	A53 Gr B	CARBON STEEL	ASME B36.10	III	2	No		
6	Elbow 90 degree 1.5D	400	406.4	XS	12.7	A53 Gr B	CARBON STEEL	ASME B36.10	III	1	No		
7	Concentric Reducer	350x150	-	XS	12.7	A53 Gr B	CARBON STEEL	ASME B36.10	III	2	No		
8	Elbow 90 degree 1.5D	350	355.6	XS	12.7	A53 Gr B	CARBON STEEL	ASME B36.10	III	10	No		
9	Elbow 45 degree 1.5D	350	355.6	XS	12.7	A53 Gr B	CARBON STEEL	ASME B36.10	III	1	No		
10	Concentric Reducer	250x150	-	XS	12.7	A53 Gr B	CARBON STEEL	ASME B36.10	III	2	No		
11	Elbow 90 degree 1.5D	250	273	XS	12.7	A53 Gr B	CARBON STEEL	ASME B36.10	III	5	No		
12	Elbow 90 degree 1.5D	150	168.3	80	10.97	A53 Gr B	CARBON STEEL	ASME B36.10	III	16	No		
13	Elbow 45 degree 1.5D	150	168.3	80	10.97	A53 Gr B	CARBON STEEL	ASME B36.10	III	6	No		

CARBON STEEL FITTING

SL. No.	Item Description	Size	OD	Sch	Thickness	Material	Material Category	Standard	Class	Qty	UOM	Unit Rate	Amount
14	Concentric Reducer	150x100	-	80	10.97	A53 Gr B	CARBON STEEL	ASME B36.10	III	2	No		
15	Concentric Reducer	150x80	-	80	10.97	A53 Gr B	CARBON STEEL	ASME B36.10	III	1	No		
16	Concentric Reducer	125x80	141.3	80	9.53	A53 Gr B	CARBON STEEL	ASME B36.10	III	1	No		
17	Elbow 90 degree 1.5D	125	141.3	80	9.53	A53 Gr B	CARBON STEEL	ASME B36.10	III	6	No		
18	Elbow 45 degree 1.5D	125	141.3	80	9.53	A53 Gr B	CARBON STEEL	ASME B36.10	III	4	No		
19	Elbow 90 degree 1.5D	125	141.3	20	-	A53 Gr B	CARBON STEEL	ASME B36.10	III	10	No		
20	Elbow 45 degree 1.5D	125	141.3	20	-	A53 Gr B	CARBON STEEL	ASME B36.10	III	8	No		
21	Concentric Reducer	100x80	-	80	8.56	A53 Gr B	CARBON STEEL	ASME B36.10	III	11	No		
22	Concentric Reducer	100x80	-	40	8.56	A53 Gr B	CARBON STEEL	ASME B36.10	III	10	No		
23	Concentric Reducer	100x65	-	80	8.56	A53 Gr B	CARBON STEEL	ASME B36.10	III	4	No		
24	Concentric Reducer	100x65	-	40	8.56	A53 Gr B	CARBON STEEL	ASME B36.10	III	11	No		
25	Elbow 90 degree 1.5D	100	114.3	20	-	A53 Gr B	CARBON STEEL	ASME B36.10	III	7	No		
27	Elbow 90 degree 1.5D	100	114.3	40	6.02	A53 Gr B	CARBON STEEL	ASME B36.10	III	100	No		

CARBON STEEL FITTING													
SL. No.	Item Description	Size	OD	Sch	Thickness	Material	Material Category	Standard	Class	Qty	UOM	Unit Rate	Amount
29	Elbow 90 degree 1.5D	100	114.3	80	8.56	A53 Gr B	CARBON STEEL	ASME B36.10	III	120	No		
30	Elbow 45 degree 1.5D	100	114.3	80	8.56	A53 Gr B	CARBON STEEL	ASME B36.10	III	4	No		
31	Concentric Reducer	80x65	-	80	7.62	A53 Gr B	CARBON STEEL	ASME B36.10	III	5	No		
32	Concentric Reducer	80x50	-	80	7.62	A53 Gr B	CARBON STEEL	ASME B36.10	III	20	No		
33	Concentric Reducer	80x40	-	80	7.62	A53 Gr B	CARBON STEEL	ASME B36.10	III	9	No		
34	Concentric Reducer	80x32	-	80	7.62	A53 Gr B	CARBON STEEL	ASME B36.10	III	1	No		
36	Concentric Reducer	80x50	-	40	5.49	A53 Gr B	CARBON STEEL	ASME B36.10	III	4	No		
39	Elbow 90 degree 1.5D	80	88.9	80	7.62	A53 Gr B	CARBON STEEL	ASME B36.10	III	100	No		
41	Elbow 90 degree 1.5D	80	88.9	40	5.49	A53 Gr B	CARBON STEEL	ASME B36.10	III	200	No		
43	Sleeve	80	-	-	-	A53 Gr B	CARBON STEEL	ASME B36.10	III	32	No		
44	Concentric Reducer	65x50	-	80	7.01	A53 Gr B	CARBON STEEL	ASME B36.10	III	10	No		
45	Concentric Reducer	65x40	-	80	7.01	A53 Gr B	CARBON STEEL	ASME B36.10	III	10	No		
46	Concentric Reducer	65x32	-	80	7.01	A53 Gr B	CARBON STEEL	ASME B36.10	III	3	No		

CARBON STEEL FITTING													
SL. No.	Item Description	Size	OD	Sch	Thickness	Material	Material Category	Standard	Class	Qty	UOM	Unit Rate	Amount
47	Concentric Reducer	65x25	-	80	7.01	A53 Gr B	CARBON STEEL	ASME B36.10	III	1	No		
48	Concentric Reducer	65x50	-	40	5.16	A53 Gr B	CARBON STEEL	ASME B36.10	III	5	No		
49	Concentric Reducer	65x40	-	40	5.16	A53 Gr B	CARBON STEEL	ASME B36.10	III	10	No		
50	Concentric Reducer	65x32	-	40	5.16	A53 Gr B	CARBON STEEL	ASME B36.10	III	1	No		
52	Elbow 90 degree 1.5D	65	73	80	7.01	A53 Gr B	CARBON STEEL	ASME B36.10	III	80	No		
53	Elbow 45 degree 1.5D	65	73	80	7.01	A53 Gr B	CARBON STEEL	ASME B36.10	III	40	No		
54	Elbow 90 degree 1.5D	65	73	40	5.16	A53 Gr B	CARBON STEEL	ASME B36.10	III	110	No		
55	Elbow 45 degree 1.5D	65	73	40	5.16	A53 Gr B	CARBON STEEL	ASME B36.10	III	40	No		
56	Concentric Reducer	50x40	-	80	5.54	A53 Gr B	CARBON STEEL	ASME B36.10	III	5	No		
57	Concentric Reducer	50x32	-	80	5.54	A53 Gr B	CARBON STEEL	ASME B36.10	III	4	No		
58	Concentric Reducer	50x25	-	80	5.54	A53 Gr B	CARBON STEEL	ASME B36.10	III	2	No		
59	Concentric Reducer	50x40	-	40	3.91	A53 Gr B	CARBON STEEL	ASME B36.10	III	1	No		
60	Concentric Reducer	50x32	-	40	3.91	A53 Gr B	CARBON STEEL	ASME B36.10	III	6	No		
61	Concentric Reducer	50x25	-	40	3.91	A53 Gr B	CARBON STEEL	ASME B36.10	III	3	No		

CARBON STEEL FITTING													
SL. No.	Item Description	Size	OD	Sch	Thickness	Material	Material Category	Standard	Class	Qty	UOM	Unit Rate	Amount
62	Elbow 90 degree 1.5D	50	60.3	80	5.54	A53 Gr B	CARBON STEEL	ASME B36.10	III	70	No		
63	Elbow 45 degree 1.5D	50	60.3	80	5.54	A53 Gr B	CARBON STEEL	ASME B36.10	III	50	No		
64	Elbow 90 degree 1.5D	50	60.3	40	3.91	A53 Gr B	CARBON STEEL	ASME B36.10	III	260	No		
65	Elbow 45 degree 1.5D	50	60.3	40	3.91	A53 Gr B	CARBON STEEL	ASME B36.10	III	120	No		
66	Concentric Reducer	40x32	-	80	5.08	A53 Gr B	CARBON STEEL	ASME B36.10	III	8	No		
67	Concentric Reducer	40x25	-	80	5.08	A53 Gr B	CARBON STEEL	ASME B36.10	III	10	No		
68	Concentric Reducer	40x20	-	80	5.08	A53 Gr B	CARBON STEEL	ASME B36.10	III	2	No		
69	Concentric Reducer	40x15	-	80	5.08	A53 Gr B	CARBON STEEL	ASME B36.10	III	2	No		
70	Concentric Reducer	40x32	-	40	3.68	A53 Gr B	CARBON STEEL	ASME B36.10	III	12	No		
71	Concentric Reducer	40x25	-	40	3.68	A53 Gr B	CARBON STEEL	ASME B36.10	III	7	No		
72	Concentric Reducer	40x20	-	40	3.68	A53 Gr B	CARBON STEEL	ASME B36.10	III	1	No		
73	Concentric Reducer	40x15	-	40	3.68	A53 Gr B	CARBON STEEL	ASME B36.10	III	3	No		
76	Elbow 90 degree 1.5D	40	48.3	40	3.68	A53 Gr B	CARBON STEEL	ASME B36.10	III	230	No		

CARBON STEEL FITTING

SL. No.	Item Description	Size	OD	Sch	Thickness	Material	Material Category	Standard	Class	Qty	UOM	Unit Rate	Amount
77	Elbow 45 degree 1.5D	40	48.3	40	3.68	A53 Gr B	CARBON STEEL	ASME B36.10	III	100	No		
81	Concentric Reducer	32x25	-	40	3.56	A53 Gr B	CARBON STEEL	ASME B36.10	III	8	No		
82	Concentric Reducer	32x20	-	40	3.56	A53 Gr B	CARBON STEEL	ASME B36.10	III	1	No		
83	Concentric Reducer	32x15	-	40	3.56	A53 Gr B	CARBON STEEL	ASME B36.10	III	5	No		
84	Elbow 90 degree 1.5D	32	42.2	80	4.85	A53 Gr B	CARBON STEEL	ASME B36.10	III	25	No		
85	Elbow 45 degree 1.5D	32	42.2	80	4.85	A53 Gr B	CARBON STEEL	ASME B36.10	III	10	No		
86	Elbow 90 degree 1.5D	32	42.2	40	3.56	A53 Gr B	CARBON STEEL	ASME B36.10	III	100	No		
87	Elbow 45 degree 1.5D	32	42.2	40	3.56	A53 Gr B	CARBON STEEL	ASME B36.10	III	30	No		
												Total Amount:	

MS FLANGE

SL. No.	Item Description	Size	Material	Material Category	Standard	Rating	Class	Qty	UOM	Rate	Amount
1	Slip On Flange	500	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN25	III	2	No		
2	Slip On Flange	450	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN6	III	8	No		
3	Slip On Flange	400	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN16	III	3	No		
4	Slip On Flange	350	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN25	III	16	No		
5	Slip On Flange	300	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN25	III	5	No		
6	Slip On Flange	250	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN25	III	10	No		
7	Slip On Flange	250	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN6	III	6	No		
8	Slip On Flange	150	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN25	III	7	No		
9	Slip On Flange	150	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN6	III	12	No		
10	Slip On Flange	125	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN25	III	16	No		
11	Slip On Flange	125	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN6	III	22	No		
12	Slip On Flange	100	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN6	III	300	No		
13	Slip On Flange	100	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN10	III	42	No		
14	Slip On Flange	80	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN25	III	40	No		
15	Slip On Flange	80	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN10	III	175	No		
16	Slip On Flange	80	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN6	III	300	No		
17	Slip On Flange	65	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN25	III	8	No		
18	Slip On Flange	65	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN10	III	190	No		
19	Slip On Flange	65	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN6	III	330	No		
20	Slip On Flange	50	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN25	III	50	No		
21	Slip On Flange	50	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN10	III	60	No		
22	Slip On Flange	50	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN6	III	750	No		
23	Weld Neck Flange	40	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN40	III	20	No		
24	Slip On Flange	40	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN25	III	22	No		
25	Slip On Flange	40	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN10	III	100	No		
26	Slip On Flange	40	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN6	III	500	No		
27	Slip On Flange	32	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN16	III	2	No		
28	Slip On Flange	32	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN10	III	70	No		
29	Slip On Flange	32	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN6	III	240	No		

Total Amount:	

SS PIPE

SL. No.	Item Description	Size	OD	Sch	Thickness	Material	Material Category	Standard	Class	Qty	UOM	Rate	Amount
1	Seamless Pipe	40	48	40	3.68	SS316L	STAINLESS STEEL	ASME B36.19M	III	12	mtr		
2	Seamless Pipe	50	60	40	3.91	SS316L	STAINLESS STEEL	ASME B36.19M	III	24	mtr		
3	Seamless Pipe	50	60	80	5.54	SS316L	STAINLESS STEEL	ASME B36.19M	III	6	mtr		
4	Seamless Pipe	65	73	40	5.16	SS316L	STAINLESS STEEL	ASME B36.19M	III	12	mtr		
5	Seamless Pipe	65	73	80	7.01	SS316L	STAINLESS STEEL	ASME B36.19M	III	6	mtr		
6	Seamless Pipe	80	89	40	5.49	SS316L	STAINLESS STEEL	ASME B36.19M	III	6	mtr		
7	Seamless Pipe	100	114	10	3.01	SS316L	STAINLESS STEEL	ASME B36.19M	III	6	mtr		
8	Seamless Pipe	125	141	10	3.4	SS316L	STAINLESS STEEL	ASME B36.19M	III	6	mtr		
9	Seamless Pipe	450	457	10	4.78	SS316L	STAINLESS STEEL	ASME B36.19M	III	12	mtr		
												Total Amount:	

SS FITTING													
SL. No.	Item Description	Size	OD	Sch	Thickness	Material	Material Category	Standard	Class	Qty	UOM	Rate	Amount
1	Concentric Reducer	80X50	-	40	5.49	SS316L	STAINLESS STEEL	ASME B36.19M	III	1	No		
2	Concentric Reducer	50X25	-	40	3.91	SS316L	STAINLESS STEEL	ASME B36.19M	III	1	No		
3	Concentric Reducer	40X32	-	40	3.68	SS316L	STAINLESS STEEL	ASME B36.19M	III	2	No		
4	Concentric Reducer	40X25	-	40	3.68	SS316L	STAINLESS STEEL	ASME B36.19M	III	1	No		
5	Elbow 90 degree 1.5D	450	457	10	4.78	SS316L	STAINLESS STEEL	ASME B36.19M	III	2	No		
6	Elbow 90 degree 1.5D	125	141	10	3.4	SS316L	STAINLESS STEEL	ASME B36.19M	III	2	No		
7	Elbow 90 degree 1.5D	100	114	10	3.01	SS316L	STAINLESS STEEL	ASME B36.19M	III	1	No		
8	Elbow 90 degree 1.5D	65	73	40	5.16	SS316L	STAINLESS STEEL	ASME B36.19M	III	4	No		
9	Elbow 90 degree 1.5D	50	60	80	5.54	SS316L	STAINLESS STEEL	ASME B36.19M	III	4	No		
10	Elbow 90 degree 1.5D	50	60	40	3.91	SS316L	STAINLESS STEEL	ASME B36.19M	III	6	No		
11	Elbow 45 degree 1.5D	50	60	40	3.91	SS316L	STAINLESS STEEL	ASME B36.19M	III	5	No		
											Total Amount:		

CONTRACT CELL

SS FLANGE											
SL. No.	**Item Description**	**Size**	**Material**	**Material Category**	**Standard**	**Rating**	**Class**	**Qty**	**UOM**	**Rate**	**Amount**
1	Slip On Flange	450	SS316L	STAINLESS STEEL	EN1092-1	PN6	III	2	No		
2	Slip On Flange	125	SS316L	STAINLESS STEEL	EN1092-1	PN6	III	2	No		
3	Slip On Flange	100	SS316L	STAINLESS STEEL	EN1092-1	PN6	III	1	No		
4	Slip On Flange	65	SS316L	STAINLESS STEEL	EN1092-1	PN6	III	20	No		
5	Slip On Flange	50	SS316L	STAINLESS STEEL	EN1092-1	PN25	III	10	No		
6	Slip On Flange	50	SS316L	STAINLESS STEEL	EN1092-1	PN10	III	30	No		
7	Slip On Flange	50	SS316L	STAINLESS STEEL	EN1092-1	PN6	III	10	No		
8	Slip On Flange	40	SS316L	STAINLESS STEEL	EN1092-1	PN10	III	15	No		
9	Slip On Flange	40	SS316L	STAINLESS STEEL	EN1092-1	PN6	III	15	No		
									Total Amount:		

PENETRATION SLEEVES								
SL. No.	Line Size	Sleeve Size	MATERIALS				Total Qty	Amount
			Carbon Steel	Unit Rate	SS 316L	Unit Rate		
1	DN32	DN50 7.14 mm	7		-	-	7	
2	DN40	DN50 SCH40	51		1		52	
3	DN50	DN65 SCH40	37		5		42	
4	DN65	DN80 SCH40	32		4		36	
5	DN80	DN100 SCH120	24		-	-	24	
6	DN100	DN125 SCH120	10		-	-	10	
7	DN125	DN150 SCH80	1		-	-	1	
8	DN350	ROLLED PLATE 10mm	2		-	-	2	
Total Amount:								

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 Materials. (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	12 Months - Agreed as per tender/Do not agree	
5	Taxes & Duties	Specified/included in Price	
6	Payment terms - confirm		
a	As per Clause 11 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:

Annexure-VII

UNCONDITIONAL ACCEPTANCE LETTER

(Unconditional acceptance to be given by in letter head)

ACCEPTANCE OF TENDER CONDITIONS

1. Tender Document no. UCSL/CC/SB/T/183-190/118/2025 dated 19th December 2025 Tender for Pipe Spool Fabrication 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: .....