

TENDER No. UCSL/CC/SB/T/201-202/297/2026 DT:22.09.2026

**TENDER FOR PIPE SPOOL FABRICATION OF BATTERY
ELECTRIC TUG UY 201-202**



UDUPI COCHIN SHIPYARD LIMITED

UDUPI COCHIN SHIPYARD LIMITED
MALPE, UDUPI 576108





UDUPI COCHIN SHIPYARD LIMITED
TENDER FOR PIPE SPOOL FABRICATION OF BATTERY ELECTRIC TUG UY 201-202
UCSL/CC/SB/T/201-202/297/2026 DT.22-09-2026

TENDER NOTICE

Tender No. & date	UCSL/CC/SB/T/201-202/297/2026 DT.22-09-2026
Name of work	TENDER FOR PIPE SPOOL FABRICATION OF BATTERY ELECTRIC TUG UY 201-202
Pre-Bid Meeting	30th SEPTEMBER 2026 (WEDNESDAY), 11:00 HRS.
Last date & time of receipt of tender	13th OCTOBER 2026 (TUESDAY), 16:00 HRS.
Date & time of opening of Technical Bid (Part-I)	13th OCTOBER 2026 (TUESDAY), 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

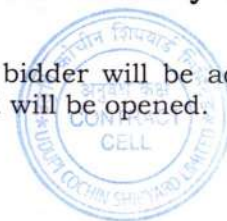
- a. **Tender document duly signed on all pages** - Including Terms & conditions, Scope of work and Indicative quantum work placed at Annexure I, Annexure II and Annexure III respectively.
- b. **The Techno commercial Check List** at Annexure VI to be filled up completely and duly signed.
- c. Duly filled 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.





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- 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.

Contact Person: Shri. Pradeep K (Deputy General Manager) Ph. No: +91 9895705138

Shri. Akhil R P (Manager-Contract Cell) Ph. No: +91 8129624149



for

Assistant General Manager (Contract Cell)



अजींद्रन टी वी
AJEENDRAN T V
 उप प्रबंधक/DEPUTY MANAGER
 उडुपि कोचीन शिपयार्ड लिमिटेड
UDUPI COCHIN SHIPYARD LIMITED
 माल्पे, कर्नाटक/MALPE, KARNATAKA-576 108



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TERMS AND CONDITIONS

TENDER FOR PIPE SPOOL FABRICATION OF BATTERY ELECTRIC TUG UY 201-202

1. DESCRIPTION OF WORK

- 1.1. This tender enquiry pertains to the awarding of contract for pipe spool fabrication of 02 numbers of AmpRA 3300 Battery Electric Tug (UY 201-UY 202) to be built at **Udupi Cochin Shipyard Limited (UCSL) at Cochin Unit.**
- 1.2. The Scope of work, includes purchase of material by vendor, fabrication at vendor premises, transportation to yard (CSL), segregation of spools at the assigned location inside CSL premises, 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 (CSL), segregation of spools at the assigned location inside CSL premises Cochin, 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 7.5% growth of work on the fabrication/Materials 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 spools for UY201 to UY202 material to be supplied at CSL premises, Cochin.
- 2.5. For UY201-UY202 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	: 31.8 meter
Breadth (MLD)	: 12.2meter
Depth (MLD)	: 5.5 meter
Draft (Hull)	: 5.1 meter
Complement	: 12 Persons
Bollard Pull	: 65 T @ 100% MCR
Gross Tonnage	: 500 GT
Class Notation	: SUL, IY, TUG, INDIAN COSTAL SERVICE, IN-WATER SURVEYIRS AGNI 1 (2400 M3/Hr.) BATTERY PROP
Type	: Indian Coastal Vessel





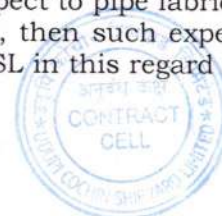
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4. METHOD OF AWARDING CONTRACT

- 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 02 ship would be split between Two bidders, UCSL intends to place the scope of work for two ships set on each bidder subjected to matching the L1 rate.
- 4.4. The L1 bidder will be awarded with the scope of work of 1st vessel as confirmed and the L2 bidder will be called for negotiation to meet the L1 bidder's rate to award work order for next one vessel. In case L2 bidder is not willing to match L1 bidder's rate, L3/L4/L5 etc. bidders will be invited for the negotiation to match L1 bidder rate.
- 4.5. If L2/L3/L4/L5 etc. are not willing to match with L1 bidder's rate, hence work order for remaining one vessel will be placed on L1 bidder based on their performance on the already awarded one vessel.
- 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 one year 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 one year.
- 5.3. The average cumulative annual financial turn over should be at least Rs. 2 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.





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- 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.
- 5.13. As per Government of India guidelines, relaxation shall be applicable to Micro & Small Enterprises (MSEs) and Startups in respect of Prior Experience criteria, subject to meeting of quality and technical specifications.

6. SCHEDULE OF COMPLETION OF VESSELS

- 6.1. AmpRA 3300 Battery Electric Tug (UY 201-UY 202) 02 Nos – Pipe Spools Fabrication work is required to be completed within a maximum duration of 6 months from the date of commencement of work order/LOI 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.





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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/LOI.
- 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 90 days 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.

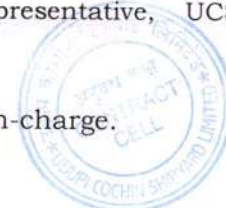
Stage V: 10 % of contracted value per ship on Final Lot fabrication

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.





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- 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(32AAACC6905B1ZD).
- 12.2. For vessel UY 201-202 GST number will be intimated dispatch after the work order.

13. PERIOD OF CONTRACT & COMMENCEMENT OF SERVICES

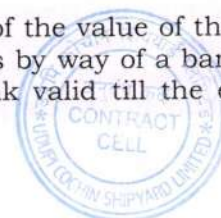
- 13.1. Period of contract will be one year from the date of work order. The rates quoted and all other terms and conditions will remain unchanged for the entire period and also for the extended period (if extended).

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 GUARANTEE

- 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





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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.





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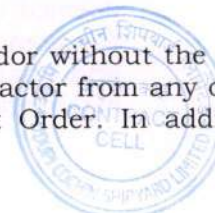
- 18.5. For fraud and corruption or other unacceptable practices.
- 18.6. Upon expiry or termination of this Contract, neither party shall be discharged from any antecedent obligations or liabilities to the other party under this Contract unless otherwise agreed in writing.
- 18.7. UCSL may by notice 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,





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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.





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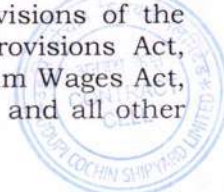
- b) The Contractor shall undertake the work in total compliance with all applicable legal/statutory requirements related to occupational health, safety and environment effective in the state of Karnataka.
- c) It is the sole responsibility of the contractor to assure that any sub-contractor/s who shall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

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





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enactments as are applicable to him and his workmen employed by him. The Agency shall inform UCSL his license number from the Central Labour Commissioner.

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 BATTERY ELECTRIC GTTP TUG UY 201-202

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 – 1049 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).

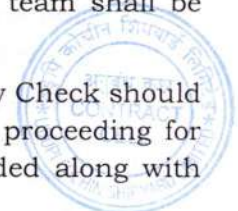


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- g. Pipes in which pickling is required, shall require sand blasting prior going to pickling and one coat of Primer(spray)/paint(spray) coating of marine grade (Jotun/PPG/Hempal) to be done.
 - h. Stainless steel pipe to be passivated or as the case 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 contractors 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





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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 works. (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



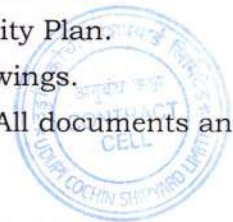
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material, which is not specified hereunder, but is considered incidental and essential for the successful completion of the job shall be carried out by the Contractor without any additional charge.

- 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.





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PART A

FABRICATION QTY FOR CARBON STEEL & STAINLESS-STEEL PIPES

Category	Approx. Inch Diameter
CLASS PIPES	
Above 150 NB	45
100 NB to 150 NB	10
65 NB to 80 NB	88.5
32 NB to 50 NB	9
CARBON STEEL PIPES	
Above 150 NB	2100
100 NB to 150 NB	2370
65 NB to 80 NB	4530
32 NB to 50 NB	4155
15 NB to 25 NB	696.25
SS PIPES	
Above 150 NB	12
100 NB to 150 NB	10
65 NB to 80 NB	285
32 NB to 50 NB	262.5
20 NB to 25 NB	102
TOTAL ESTIMATE	14675.25





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PART B

GALVANISATION/PICKLING/PASSIVATION

Note:

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

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.**





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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	50	60.3	XXS	11.07	A53 Gr B	CARBON STEEL	ASME B36.10	III	1.5	Mtr	
2	Seamless Pipe	65	73	XXS	14.02	A53 Gr B	CARBON STEEL	ASME B36.10	III	10	Mtr	
3	Seamless Pipe	80	88.9	XXS	11.13	A53 Gr B	CARBON STEEL	ASME B36.10	III	1.5	Mtr	
4	Seamless Pipe	150	168.3	160	-	A53 Gr B	CARBON STEEL	ASME B36.10	III	2.5	Mtr	

Note:

ABOVE MATERIALS TO BE CERTIFIED BY IRS CLASS.





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NON-CLASS CARBON STEEL

SL. No.	Item Description	Size	OD	Sch	Thickness	Material	Material Category	Standard	Class	Qty	UOM	Remarks
1	Seamless Pipe	125	141.3	20	-	A53 Gr B	CARBON STEEL	ASME B36.10	III	2	mtr	
2	Seamless Pipe	200	219.1	20	-	A53 Gr B	CARBON STEEL	ASME B36.10	III	2	mtr	
3	Seamless Pipe	250	273	20	-	A53 Gr B	CARBON STEEL	ASME B36.10	III	6	mtr	
4	Seamless Pipe	300	324	20	-	A53 Gr B	CARBON STEEL	ASME B36.10	III	10	mtr	
5	Seamless Pipe	15	21.3	40	-	A53 Gr B	CARBON STEEL	ASME B36.10	III	110	mtr	
6	Seamless Pipe	20	26.7	40	-	A53 Gr B	CARBON STEEL	ASME B36.10	III	60	mtr	
7	Seamless Pipe	25	33.4	40	-	A53 Gr B	CARBON STEEL	ASME B36.10	III	90	mtr	
8	Seamless Pipe	32	42.2	40	3.56	A53 Gr B	CARBON STEEL	ASME B36.10	III	50	mtr	
9	Seamless Pipe	40	48.3	40	3.68	A53 Gr B	CARBON STEEL	ASME B36.10	III	200	mtr	
10	Seamless Pipe	50	60.3	40	3.91	A53 Gr B	CARBON STEEL	ASME B36.10	III	120	mtr	
11	Seamless Pipe	65	73	40	5.16	A53 Gr B	CARBON STEEL	ASME B36.10	III	200	mtr	
12	Seamless Pipe	80	88.9	40	5.49	A53 Gr B	CARBON STEEL	ASME B36.10	III	150	mtr	
13	Seamless Pipe	100	114.3	40	6.02	A53 Gr B	CARBON STEEL	ASME B36.10	III	60	mtr	



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NON-CLASS CARBON STEEL

SL. No.	Item Description	Size	OD	Sch	Thickness	Material	Material Category	Standard	Class	Qty	UOM	Remarks
14	Seamless Pipe	150	168.3	40	7.11	A53 Gr B	CARBON STEEL	ASME B36.10	III	10	mtr	
15	Seamless Pipe	250	273	40	7.11	A53 Gr B	CARBON STEEL	ASME B36.10	III	3	mtr	
16	Seamless Pipe	15	21.3	80	-	A53 Gr B	CARBON STEEL	ASME B36.10	III	15	mtr	
17	Seamless Pipe	20	26.7	80	-	A53 Gr B	CARBON STEEL	ASME B36.10	III	2	mtr	
18	Seamless Pipe	25	33.4	80	-	A53 Gr B	CARBON STEEL	ASME B36.10	III	6	mtr	
19	Seamless Pipe	32	42.2	80	4.85	A53 Gr B	CARBON STEEL	ASME B36.10	III	130	mtr	
20	Seamless Pipe	40	48.3	80	5.08	A53 Gr B	CARBON STEEL	ASME B36.10	III	120	mtr	
21	Seamless Pipe	50	60.3	80	5.54	A53 Gr B	CARBON STEEL	ASME B36.10	III	220	mtr	
22	Seamless Pipe	65	73	80	7.01	A53 Gr B	CARBON STEEL	ASME B36.10	III	140	mtr	
23	Seamless Pipe	80	88.9	80	7.62	A53 Gr B	CARBON STEEL	ASME B36.10	III	70	mtr	
24	Seamless Pipe	100	114.3	80	8.56	A53 Gr B	CARBON STEEL	ASME B36.10	III	60	mtr	
25	Seamless Pipe	125	141.3	80	9.53	A53 Gr B	CARBON STEEL	ASME B36.10	III	15	mtr	
26	Seamless Pipe	150	168.3	80	10.97	A53 Gr B	CARBON STEEL	ASME B36.10	III	20	mtr	
27	Seamless Pipe	200	219.1	80	-	A53 Gr B	CARBON STEEL	ASME B36.10	III	5	mtr	



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NON-CLASS CARBON STEEL

SL. No.	Item Description	Size	OD	Sch	Thickness	Material	Material Category	Standard	Class	Qty	UOM	Remarks
28	Seamless Pipe	300	324	80	-	A53 Gr B	CARBON STEEL	ASME B36.10	III	2	mtr	
29	Seamless Pipe	350	355.6	80	-	A53 Gr B	CARBON STEEL	ASME B36.10	III	25	mtr	
30	Seamless Pipe	400	406.4	80	-	A53 Gr B	CARBON STEEL	ASME B36.10	III	4	mtr	
31	Seamless Pipe	500	508	80	-	A53 Gr B	CARBON STEEL	ASME B36.10	III	3	mtr	
32	Seamless Pipe	150	168.3	160	-	A53 Gr B	CARBON STEEL	ASME B36.10	III	5	mtr	

CARBON STEEL FITTING

SL. No.	Item Description	Size	OD	Sch	Thickness	Material	Material Category	Standard	Class	Qty	UOM
1	Elbow 90 degree 1.5D	350	355.6	XS	12.7	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	2	No
2	Elbow 90 degree 1.5D	250	273	XS	12.7	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	4	No
3	Elbow 90-degree 1D	400	406.4	80	-	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	4	No





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CARBON STEEL FITTING											
SL. No.	Item Description	Size	OD	Sch	Thickness	Material	Material Category	Standard	Class	Qty	UOM
4	Elbow 90-degree 1D	350	355.6	80	-	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	20	No
5	Elbow 90-degree 1D	200	219.1	80	-	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	4	No
6	Elbow 90 degree 1.5D	150	168.3	80	10.97	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	6	No
7	Elbow 90-degree 1D	150	168.3	80	10.97	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	10	No
8	Elbow 45 degree 1.5D	150	168.3	80	10.97	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	5	No
9	Elbow 90 degree 1.5D	125	141.3	80	9.53	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	10	No
10	Elbow 45 degree 1.5D	125	141.3	80	9.53	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	4	No
11	Elbow 90 degree 1.5D	100	114.3	80	8.56	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	60	No
12	Elbow 90-degree 1D	100	114.3	80	8.56	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	4	No
13	Elbow 45 degree 1.5D	100	114.3	80	8.56	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	4	No
14	Elbow 90 degree 1.5D	80	88.9	80	7.62	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	40	No
15	Elbow 90-degree 1D	80	88.9	80	7.62	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	15	No





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CARBON STEEL FITTING											
SL. No.	Item Description	Size	OD	Sch	Thickness	Material	Material Category	Standard	Class	Qty	UOM
16	Elbow 90 degree 1.5D	65	73	80	7.01	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	75	No
17	Elbow 90-degree 1D	65	73	80	7.01	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	10	No
18	Elbow 45 degree 1.5D	65	73	80	7.01	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	20	No
19	Elbow 90 degree 1.5D	50	60.3	80	5.54	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	130	No
20	Elbow 90-degree D	50	60.3	80	5.54	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	6	No
21	Elbow 45 degree 1.5D	50	60.3	80	5.54	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	10	No
22	Elbow 90 degree 1.5D	40	48.3	80	5.08	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	130	No
23	Elbow 90 degree 1.5D	32	42.2	80	4.85	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	70	No
24	Elbow 45 degree 1.5D	32	42.2	80	4.85	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	8	No
25	Elbow 90 degree 1.5D	25	33.4	80	-	A234 Gr WPB	CARBON STEEL	ASME B16.11	III	10	No
26	Elbow 90 degree 1.5D	20	26.7	80	-	A234 Gr WPB	CARBON STEEL	ASME B16.11	III	12	No
27	Elbow 90 degree 1.5D	15	21.3	80	-	A234 Gr WPB	CARBON STEEL	ASME B16.11	III	10	No
28	Elbow 90-degree 1D	65	73	STD	5.16	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	4	No
29	Elbow 90 degree 1.5D	100	144.3	40	6.02	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	40	No



UDUPI COCHIN SHIPYARD LIMITED
TENDER FOR PIPE SPOOL FABRICATION OF BATTERY ELECTRIC TUG UY 201-202
UCSL/CC/SB/T/201-202/297/2026 DT.22-09-2026

CARBON STEEL FITTING

SL. No.	Item Description	Size	OD	Sch	Thickness	Material	Material Category	Standard	Class	Qty	UOM
30	Elbow 90 degree 1.5D	80	88.9	40	5.49	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	85	No
31	Elbow 90 degree 1.5D	65	73	40	5.16	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	130	No
32	Elbow 45 degree 1.5D	65	73	40	5.16	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	20	No
33	Elbow 90 degree 1.5D	50	60.3	40	3.91	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	140	No
34	Elbow 45 degree 1.5D	50	60.3	40	3.91	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	40	No
35	Elbow 90 degree 1.5D	40	48.3	40	3.68	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	140	No
36	Elbow 45 degree 1.5D	40	48.3	40	3.68	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	60	No
37	Elbow 90 degree 1.5D	32	42.2	40	3.56	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	30	No
38	Elbow 45 degree 1.5D	32	42.2	40	3.56	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	15	No
39	Elbow 90 degree 1.5D	25	33.4	40	-	A234 Gr WPB	CARBON STEEL	ASME B16.11	III	40	No
40	Elbow 90 degree 1.5D	20	26.7	40	-	A234 Gr WPB	CARBON STEEL	ASME B16.11	III	30	No
41	Elbow 90 degree 1.5D	15	21.3	40	-	A234 Gr WPB	CARBON STEEL	ASME B16.11	III	65	No
42	Elbow 90-degree 1D	300	324	20	-	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	-	No
43	Elbow 90-degree 1D	250	273	20	-	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	-	No





UDUPI COCHIN SHIPYARD LIMITED
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CARBON STEEL FITTING											
SL. No	Item Description	Size	OD	Sch	Thickness	Material	Material Category	Standard	Class	Qty	UOM
1	Concentric Reducer	700x400	-	80	-	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	1	No
2	Concentric Reducer	500x350	-	80	-	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	2	No
3	Concentric Reducer	500x300	-	80	-	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	1	No
4	Concentric Reducer	350x200	-	80	-	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	2	No
5	Concentric Reducer	200x150	-	80	-	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	1	No
6	Concentric Reducer	125x80	-	80	-	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	1	No
7	Concentric Reducer	100x80	-	80	-	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	3	No
8	Concentric Reducer	100x65	-	80	-	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	5	No
9	Concentric Reducer	80x65	-	80	7.62	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	5	No
10	Concentric Reducer	80x50	-	80	7.62	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	5	No
11	Concentric Reducer	65x50	-	80	7.01	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	3	No
12	Concentric Reducer	65x40	-	80	7.01	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	10	No
13	Concentric Reducer	50x40	-	80	5.54	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	4	No



UDUPI COCHIN SHIPYARD LIMITED
TENDER FOR PIPE SPOOL FABRICATION OF BATTERY ELECTRIC TUG UY 201-202
UCSL/CC/SB/T/201-202/297/2026 DT.22-09-2026

CARBON STEEL FITTING											
SL. No.	Item Description	Size	OD	Sch	Thickness	Material	Material Category	Standard	Class	Qty	UOM
14	Concentric Reducer	40x32	-	80	5.08	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	8	No
15	Concentric Reducer	250x125	-	40	12.7	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	1	No
16	Concentric Reducer	125x80	-	40	-	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	1	No
17	Concentric Reducer	80x65	-	40	5.49	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	4	No
18	Concentric Reducer	65x50	-	40	5.16	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	5	No
19	Concentric Reducer	65x40	-	40	5.16	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	4	No
20	Concentric Reducer	65x32	-	40	5.16	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	5	No
21	Concentric Reducer	40x32	-	40	3.68	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	8	No
22	Concentric Reducer	40x25	-	40	3.68	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	4	No
23	Concentric Reducer	40x20	-	40	3.68	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	2	No
24	Concentric Reducer	32x25	-	40	3.56	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	4	No
25	Concentric Reducer	25x20	-	40	-	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	2	No
26	Concentric Reducer	25x15	-	40	-	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	4	No
27	Concentric Reducer	20x15	-	40	-	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	4	No





UDUPI COCHIN SHIPYARD LIMITED
TENDER FOR PIPE SPOOL FABRICATION OF BATTERY ELECTRIC TUG UY 201-202
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MS FLANGE									
SL. No.	Item Description	Size	Material	Material Category	Standard	Rating	Class	Qty	UOM
1	Slip On Flange	400	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN16	III	3	No
2	Slip On Flange, Flat Face	300	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN25	III	3	No
3	Slip On Flange, Flat Face	300	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN6	III	6	No
4	Slip On Flange	250	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN6	III	4	No
5	Slip On Flange, Flat Face	200	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN6	III	2	No
6	Slip On Flange, Flat Face	150	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN25	III	2	No
7	Slip On Flange, Flat Face	150	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN16	III	5	No
8	Slip On Flange	150	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN6	III	2	No
9	Slip On Flange, Flat Face	125	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN6	III	8	No
10	Slip On Flange, Flat Face	100	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN6	III	120	No
11	Slip On Flange	100	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN10	III	10	No
12	Slip On Flange, Flat Face	100	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN16	III	20	No
13	Slip On Flange	80	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN25	III	8	No
14	Slip On Flange	80	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN16	III	20	No
15	Slip On Flange	80	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN10	III	70	No
16	Slip On Flange	80	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN6	III	150	No
17	Slip On Flange	65	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN16	III	70	No
18	Slip On Flange	65	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN10	III	140	No
19	Slip On Flange	65	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN6	III	200	No
20	Slip On Flange, Flat Face	50	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN16	III	10	No
21	Slip On Flange, Flat Face	50	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN10	III	120	No
22	Slip On Flange	50	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN6	III	220	No
23	Slip On Flange, Flat Face	40	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN10	III	120	No
24	Slip On Flange	40	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN6	III	220	No
25	Slip On Flange	32	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN16	III	2	No
26	Slip On Flange	32	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN10	III	40	No
27	Slip On Flange, Flat Face	32	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN6	III	140	No
28	Slip On Flange, Flat Face	25	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN16	III	40	No
29	Slip On Flange, Flat Face	25	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN10	III	12	No



UDUPI COCHIN SHIPYARD LIMITED
TENDER FOR PIPE SPOOL FABRICATION OF BATTERY ELECTRIC TUG UY 201-202
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MS FLANGE

SL. No.	Item Description	Size	Material	Material Category	Standard	Rating	Class	Qty	UOM
30	Slip On Flange, Flat Face	25	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN6	III	80	No
31	Slip On Flange, Flat Face	20	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN16	III	10	No
32	Slip On Flange, Flat Face	20	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN6	III	40	No
33	Slip On Flange, Flat Face	15	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN16	III	40	No
34	Slip On Flange, Flat Face	15	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN6	III	60	No
35	Slip On Flange, Flat Face	25	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN10	III	10	No

BHD FLANGE- CARBON STEEL

SL. No.	Item Description	Size	Material	Material Category	Standard	Rating	Class	Qty	UOM
1	Bulkhead Flange	25	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN10	III	-	No
2	Bulkhead Flange	40	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN10	III	-	No
3	Bulkhead Flange	50	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN10	III	-	No





UDUPI COCHIN SHIPYARD LIMITED
TENDER FOR PIPE SPOOL FABRICATION OF BATTERY ELECTRIC TUG UY 201-202
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SS PIPE												
SL. No.	Item Description	Size	OD	Sch	Thickness	Material	Material Category	Standard	Class	Qty	UOM	Remarks
1	Seamless Pipe	20	27	40s	3.68	SS316L	STAINLESS STEEL	ASME B36.19M	III	2	mtr	
2	Seamless Pipe	25	33	40s	-	SS316L	STAINLESS STEEL	ASME B36.19M	III	30	mtr	
3	Seamless Pipe	40	48	40s	3.68	SS316L	STAINLESS STEEL	ASME B36.19M	III	15	mtr	
4	Seamless Pipe	25	33	80s	-	SS316L	STAINLESS STEEL	ASME B36.19M	III	2	mtr	
5	Seamless Pipe	40	48	80s	3.68	SS316L	STAINLESS STEEL	ASME B36.19M	III	10	mtr	
6	Seamless Pipe	50	60	80s	5.54	SS316L	STAINLESS STEEL	ASME B36.19M	III	25	mtr	
7	Seamless Pipe	65	73	80s	7.01	SS316L	STAINLESS STEEL	ASME B36.19M	III	20	mtr	
8	Seamless Pipe	80	73	80s	-	SS316L	STAINLESS STEEL	ASME B36.19M	III	15	mtr	





UDUPI COCHIN SHIPYARD LIMITED
TENDER FOR PIPE SPOOL FABRICATION OF BATTERY ELECTRIC TUG UY 201-202
UCSL/CC/SB/T/201-202/297/2026 DT.22-09-2026

SS FITTING

SL. No.	Item Description	Size	OD	Sch	Thickness	Material	Material Category	Standard	Class	Qty	UOM
1	Concentric Reducer	40X25	-	40s	3.68	SS316L	STAINLESS STEEL	ASME B36.19M	III	1	No
2	Concentric Reducer	40X20	-	40s	3.68	SS316L	STAINLESS STEEL	ASME B36.19M	III	1	No
3	Concentric Reducer	65X40	-	80s	-	SS316L	STAINLESS STEEL	ASME B36.19M	III	1	No
4	Elbow 90 degree 1.5D	40	48	40s	-	SS316L	STAINLESS STEEL	ASME B36.19M	III	6	No
5	Elbow 90 degree 1.5D	25	33	40s	-	SS316L	STAINLESS STEEL	ASME B36.19M	III	20	No
6	Elbow 90 degree 1.5D	20	27	40s	-	SS316L	STAINLESS STEEL	ASME B36.19M	III	2	No
7	Elbow 90 degree 1.5D	50	60	80s	5.54	SS316L	STAINLESS STEEL	ASME B36.19M	III	12	No
8	Elbow 90 degree 1.5D	25	33	80s	-	SS316L	STAINLESS STEEL	ASME B36.19M	III	5	No
9	Elbow 90 degree 1.5D	65	73	80s	5.16	SS316L	STAINLESS STEEL	ASME B36.19M	III	6	No
10	Elbow 90 degree 1.5D	80	89	80s	-	SS316L	STAINLESS STEEL	ASME B36.19M	III	10	No

SS FLANGE

SL. No.	Item Description	Size	Material	Material Category	Standard	Rating	Class	Qty	UOM
1	Slip On Flange	80	SS316L	STAINLESS STEEL	EN1092-1	PN60	III	8	No
2	Slip On Flange	65	SS316L	STAINLESS STEEL	EN1092-1	PN6	III	8	No
3	Slip On Flange	50	SS316L	STAINLESS STEEL	EN1092-1	PN6	III	10	No
4	Slip On Flange	40	SS316L	STAINLESS STEEL	EN1092-1	PN10	III	35	No
5	Slip On Flange	40	SS316L	STAINLESS STEEL	EN1092-1	PN6	III	8	No





UDUPI COCHIN SHIPYARD LIMITED
TENDER FOR PIPE SPOOL FABRICATION OF BATTERY ELECTRIC TUG UY 201-202
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PENETRATION SLEEVES					
SL. No.	Line Size	Sleeve Size	MATERIALS		Qty
			Carbon Steel	SS 316L	
1	DN15	DN25 SCH80	16		
2	DN25	DN40 SCH80	13		
3	DN32	DN50 7.14 mm	43		
4	DN40	DN50 SCH40	75	1	
5	DN50	DN65 SCH40	107	2	
6	DN65	DN80 SCH40	86	5	
7	DN80	DN100 SCH120	75	2	
8	DN100	DN125 SCH120	8		
9	DN125	DN150 SCH180	1		

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.



POWER OF ATTORNEY

(On Applicant's letter head)

(Date and Reference)

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

Subject: Power of Attorney

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

(Attested signature of Mr.)

For.....
(Name & designation)

(Company Seal)
documents in respect of the above.

(Attested signature of Mr.)

For.....
(Name & designation)

(Company Seal)





UDUPI COCHIN SHIPYARD LIMITED
TENDER FOR PIPE SPOOL FABRICATION OF BATTERY ELECTRIC TUG UY 201-202
UCSL/CC/SB/T/201-202/297/2026 DT.22-09-2026

UCSL/CC/SB/T/201-202/297/2026 DT:22nd SEPTEMBER 2026

**TENDER FOR PIPE SPOOL FABRICATION OF BATTERY ELECTRIC
TUG UY 201-202**

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 the value quoted at Sl.No:06.
2. The bidder should also fill the rate in Annexure-V (Page no: 02 to Page No.:18), but the same will not be considered for L1 determination.





UDUPI COCHIN SHIPYARD LIMITED
TENDER FOR PIPE SPOOL FABRICATION OF BATTERY ELECTRIC TUG UY 201-202
UCSL/CC/SB/T/201-202/297/2026 DT.22-09-2026

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	60		
100 NB to 150 NB	15		
65 NB to 80 NB	118		
32 NB to 50 NB	12		
CARBON STEEL PIPES			
Above 150 NB	2100		
100 NB to 150 NB	2370		
65 NB to 80 NB	4530		
32 NB to 50 NB	4155		
15 NB to 25 NB	696.25		
SS PIPES			
Above 150 NB	12		
100 NB to 150 NB	10		
65 NB to 80 NB	285		
32 NB to 50 NB	262.5		
20 NB to 25 NB	102		
TOTAL ESTIMATE	14675.25		
TOTAL AMOUNT			





UDUPI COCHIN SHIPYARD LIMITED
TENDER FOR PIPE SPOOL FABRICATION OF BATTERY ELECTRIC TUG UY 201-202
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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)

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 particle**





UDUPI COCHIN SHIPYARD LIMITED
TENDER FOR PIPE SPOOL FABRICATION OF BATTERY ELECTRIC TUG UY 201-202
UCSL/CC/SB/T/201-202/297/2026 DT.22-09-2026

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	Rate	Amount
1	Seamless Pipe	50	60.3	XXS	11.07	A53 Gr B	CARBON STEEL	ASME B36.10	III	1.5	Mtr		
2	Seamless Pipe	65	73	XXS	14.02	A53 Gr B	CARBON STEEL	ASME B36.10	III	10	Mtr		
3	Seamless Pipe	80	88.9	XXS	11.13	A53 Gr B	CARBON STEEL	ASME B36.10	III	1.5	Mtr		
4	Seamless Pipe	150	168.3	160	-	A53 Gr B	CARBON STEEL	ASME B36.10	III	2.5	Mtr		

Note:

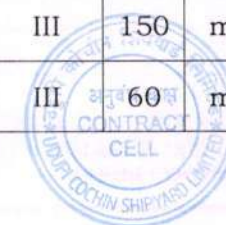
ABOVE MATERIALS TO BE CERTIFIED BY IRS CLASS.





UDUPI COCHIN SHIPYARD LIMITED
TENDER FOR PIPE SPOOL FABRICATION OF BATTERY ELECTRIC TUG UY 201-202
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NON-CLASS CARBON STEEL													
SL. No.	Item Description	Size	OD	Sch	Thickness	Material	Material Category	Standard	Class	Qty	UOM	Rate	Amount
1	Seamless Pipe	125	141.3	20	-	A53 Gr B	CARBON STEEL	ASME B36.10	III	2	mtr		
2	Seamless Pipe	200	219.1	20	-	A53 Gr B	CARBON STEEL	ASME B36.10	III	2	mtr		
3	Seamless Pipe	250	273	20	-	A53 Gr B	CARBON STEEL	ASME B36.10	III	6	mtr		
4	Seamless Pipe	300	324	20	-	A53 Gr B	CARBON STEEL	ASME B36.10	III	10	mtr		
5	Seamless Pipe	15	21.3	40	-	A53 Gr B	CARBON STEEL	ASME B36.10	III	110	mtr		
6	Seamless Pipe	20	26.7	40	-	A53 Gr B	CARBON STEEL	ASME B36.10	III	60	mtr		
7	Seamless Pipe	25	33.4	40	-	A53 Gr B	CARBON STEEL	ASME B36.10	III	90	mtr		
8	Seamless Pipe	32	42.2	40	3.56	A53 Gr B	CARBON STEEL	ASME B36.10	III	50	mtr		
9	Seamless Pipe	40	48.3	40	3.68	A53 Gr B	CARBON STEEL	ASME B36.10	III	200	mtr		
10	Seamless Pipe	50	60.3	40	3.91	A53 Gr B	CARBON STEEL	ASME B36.10	III	120	mtr		
11	Seamless Pipe	65	73	40	5.16	A53 Gr B	CARBON STEEL	ASME B36.10	III	200	mtr		
12	Seamless Pipe	80	88.9	40	5.49	A53 Gr B	CARBON STEEL	ASME B36.10	III	150	mtr		
13	Seamless Pipe	100	114.3	40	6.02	A53 Gr B	CARBON STEEL	ASME B36.10	III	60	mtr		





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NON-CLASS CARBON STEEL

SL. No.	Item Description	Size	OD	Sch	Thickness	Material	Material Category	Standard	Class	Qty	UOM	Rate	Amount
14	Seamless Pipe	150	168.3	40	7.11	A53 Gr B	CARBON STEEL	ASME B36.10	III	10	mtr		
15	Seamless Pipe	250	273	40	7.11	A53 Gr B	CARBON STEEL	ASME B36.10	III	3	mtr		
16	Seamless Pipe	15	21.3	80	-	A53 Gr B	CARBON STEEL	ASME B36.10	III	15	mtr		
17	Seamless Pipe	20	26.7	80	-	A53 Gr B	CARBON STEEL	ASME B36.10	III	2	mtr		
18	Seamless Pipe	25	33.4	80	-	A53 Gr B	CARBON STEEL	ASME B36.10	III	6	mtr		
19	Seamless Pipe	32	42.2	80	4.85	A53 Gr B	CARBON STEEL	ASME B36.10	III	130	mtr		
20	Seamless Pipe	40	48.3	80	5.08	A53 Gr B	CARBON STEEL	ASME B36.10	III	120	mtr		
21	Seamless Pipe	50	60.3	80	5.54	A53 Gr B	CARBON STEEL	ASME B36.10	III	220	mtr		
22	Seamless Pipe	65	73	80	7.01	A53 Gr B	CARBON STEEL	ASME B36.10	III	140	mtr		
23	Seamless Pipe	80	88.9	80	7.62	A53 Gr B	CARBON STEEL	ASME B36.10	III	70	mtr		
24	Seamless Pipe	100	114.3	80	8.56	A53 Gr B	CARBON STEEL	ASME B36.10	III	60	mtr		
25	Seamless Pipe	125	141.3	80	9.53	A53 Gr B	CARBON STEEL	ASME B36.10	III	15	mtr		
26	Seamless Pipe	150	168.3	80	10.97	A53 Gr B	CARBON STEEL	ASME B36.10	III	20	mtr		
27	Seamless Pipe	200	219.1	80	-	A53 Gr B	CARBON STEEL	ASME B36.10	III	5	mtr		





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NON-CLASS CARBON STEEL

SL. No.	Item Description	Size	OD	Sch	Thickness	Material	Material Category	Standard	Class	Qty	UOM	Rate	Amount
28	Seamless Pipe	300	324	80	-	A53 Gr B	CARBON STEEL	ASME B36.10	III	2	mtr		
29	Seamless Pipe	350	355.6	80	-	A53 Gr B	CARBON STEEL	ASME B36.10	III	25	mtr		
30	Seamless Pipe	400	406.4	80	-	A53 Gr B	CARBON STEEL	ASME B36.10	III	4	mtr		
31	Seamless Pipe	500	508	80	-	A53 Gr B	CARBON STEEL	ASME B36.10	III	3	mtr		
32	Seamless Pipe	150	168.3	160	-	A53 Gr B	CARBON STEEL	ASME B36.10	III	5	mtr		

CARBON STEEL FITTING

SL. No.	Item Description	Size	OD	Sch	Thickness	Material	Material Category	Standard	Class	Qty	UOM	Rate	Amount
1	Elbow 90 degree 1.5D	350	355.6	XS	12.7	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	2	No		
2	Elbow 90 degree 1.5D	250	273	XS	12.7	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	4	No		
3	Elbow 90-degree 1D	400	406.4	80	-	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	4	No		





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CARBON STEEL FITTING

SL. No.	Item Description	Size	OD	Sch	Thickness	Material	Material Category	Standard	Class	Qty	UOM	Rate	Amount
4	Elbow 90-degree 1D	350	355.6	80	-	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	20	No		
5	Elbow 90-degree 1D	200	219.1	80	-	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	4	No		
6	Elbow 90 degree 1.5D	150	168.3	80	10.97	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	6	No		
7	Elbow 90-degree 1D	150	168.3	80	10.97	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	10	No		
8	Elbow 45 degree 1.5D	150	168.3	80	10.97	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	5	No		
9	Elbow 90 degree 1.5D	125	141.3	80	9.53	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	10	No		
10	Elbow 45 degree 1.5D	125	141.3	80	9.53	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	4	No		
11	Elbow 90 degree 1.5D	100	114.3	80	8.56	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	60	No		
12	Elbow 90-degree 1D	100	114.3	80	8.56	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	4	No		
13	Elbow 45 degree 1.5D	100	114.3	80	8.56	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	4	No		
14	Elbow 90 degree 1.5D	80	88.9	80	7.62	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	40	No		
15	Elbow 90-degree 1D	80	88.9	80	7.62	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	15	No		





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CARBON STEEL FITTING

SL. No.	Item Description	Size	OD	Sch	Thickness	Material	Material Category	Standard	Class	Qty	UOM	Rate	Amount
16	Elbow 90 degree 1.5D	65	73	80	7.01	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	75	No		
17	Elbow 90-degree 1D	65	73	80	7.01	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	10	No		
18	Elbow 45 degree 1.5D	65	73	80	7.01	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	20	No		
19	Elbow 90 degree 1.5D	50	60.3	80	5.54	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	130	No		
20	Elbow 90-degree D	50	60.3	80	5.54	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	6	No		
21	Elbow 45 degree 1.5D	50	60.3	80	5.54	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	10	No		
22	Elbow 90 degree 1.5D	40	48.3	80	5.08	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	130	No		
23	Elbow 90 degree 1.5D	32	42.2	80	4.85	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	70	No		
24	Elbow 45 degree 1.5D	32	42.2	80	4.85	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	8	No		
25	Elbow 90 degree 1.5D	25	33.4	80	-	A234 Gr WPB	CARBON STEEL	ASME B16.11	III	10	No		
26	Elbow 90 degree 1.5D	20	26.7	80	-	A234 Gr WPB	CARBON STEEL	ASME B16.11	III	12	No		
27	Elbow 90 degree 1.5D	15	21.3	80	-	A234 Gr WPB	CARBON STEEL	ASME B16.11	III	10	No		
28	Elbow 90-degree 1D	65	73	STD	5.16	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	4	No		
29	Elbow 90 degree 1.5D	100	144.3	40	6.02	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	40	No		



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CARBON STEEL FITTING													
SL. No.	Item Description	Size	OD	Sch	Thickness	Material	Material Category	Standard	Class	Qty	UOM	Rate	Amount
30	Elbow 90 degree 1.5D	80	88.9	40	5.49	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	85	No		
31	Elbow 90 degree 1.5D	65	73	40	5.16	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	130	No		
32	Elbow 45 degree 1.5D	65	73	40	5.16	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	20	No		
33	Elbow 90 degree 1.5D	50	60.3	40	3.91	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	140	No		
34	Elbow 45 degree 1.5D	50	60.3	40	3.91	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	40	No		
35	Elbow 90 degree 1.5D	40	48.3	40	3.68	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	140	No		
36	Elbow 45 degree 1.5D	40	48.3	40	3.68	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	60	No		
37	Elbow 90 degree 1.5D	32	42.2	40	3.56	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	30	No		
38	Elbow 45 degree 1.5D	32	42.2	40	3.56	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	15	No		
39	Elbow 90 degree 1.5D	25	33.4	40	-	A234 Gr WPB	CARBON STEEL	ASME B16.11	III	40	No		
40	Elbow 90 degree 1.5D	20	26.7	40	-	A234 Gr WPB	CARBON STEEL	ASME B16.11	III	30	No		
41	Elbow 90 degree 1.5D	15	21.3	40	-	A234 Gr WPB	CARBON STEEL	ASME B16.11	III	65	No		
42	Elbow 90-degree 1D	300	324	20	-	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	-	No		
43	Elbow 90-degree 1D	250	273	20	-	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	-	No		





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CARBON STEEL FITTING													
SL. No.	Item Description	Size	OD	Sch	Thickness	Material	Material Category	Standard	Class	Qty	UOM	Rate	Amount
1	Concentric Reducer	700x400	-	80	-	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	1	No		
2	Concentric Reducer	500x350	-	80	-	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	2	No		
3	Concentric Reducer	500x300	-	80	-	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	1	No		
4	Concentric Reducer	350x200	-	80	-	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	2	No		
5	Concentric Reducer	200x150	-	80	-	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	1	No		
6	Concentric Reducer	125x80	-	80	-	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	1	No		
7	Concentric Reducer	100x80	-	80	-	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	3	No		
8	Concentric Reducer	100x65	-	80	-	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	5	No		
9	Concentric Reducer	80x65	-	80	7.62	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	5	No		
10	Concentric Reducer	80x50	-	80	7.62	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	5	No		
11	Concentric Reducer	65x50	-	80	7.01	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	3	No		
12	Concentric Reducer	65x40	-	80	7.01	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	10	No		
13	Concentric Reducer	50x40	-	80	5.54	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	4	No		



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CARBON STEEL FITTING													
SL. No.	Item Description	Size	OD	Sch	Thickness	Material	Material Category	Standard	Class	Qty	UOM	Rate	Amount
14	Concentric Reducer	40x32	-	80	5.08	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	8	No		
15	Concentric Reducer	250x125	-	40	12.7	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	1	No		
16	Concentric Reducer	125x80	-	40	-	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	1	No		
17	Concentric Reducer	80x65	-	40	5.49	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	4	No		
18	Concentric Reducer	65x50	-	40	5.16	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	5	No		
19	Concentric Reducer	65x40	-	40	5.16	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	4	No		
20	Concentric Reducer	65x32	-	40	5.16	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	5	No		
21	Concentric Reducer	40x32	-	40	3.68	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	8	No		
22	Concentric Reducer	40x25	-	40	3.68	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	4	No		
23	Concentric Reducer	40x20	-	40	3.68	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	2	No		
24	Concentric Reducer	32x25	-	40	3.56	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	4	No		
25	Concentric Reducer	25x20	-	40	-	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	2	No		
26	Concentric Reducer	25x15	-	40	-	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	4	No		
27	Concentric Reducer	20x15	-	40	-	A234 Gr WPB	CARBON STEEL	ASME B16.9	III	4	No		



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MS FLANGE											
SL. No.	Item Description	Size	Material	Material Category	Standard	Rating	Class	Qty	UOM	Rate	Amount
1	Slip On Flange	400	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN16	III	3	No		
2	Slip On Flange, Flat Face	300	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN25	III	3	No		
3	Slip On Flange, Flat Face	300	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN6	III	6	No		
4	Slip On Flange	250	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN6	III	4	No		
5	Slip On Flange, Flat Face	200	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN6	III	2	No		
6	Slip On Flange, Flat Face	150	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN25	III	2	No		
7	Slip On Flange, Flat Face	150	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN16	III	5	No		
8	Slip On Flange	150	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN6	III	2	No		
9	Slip On Flange, Flat Face	125	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN6	III	8	No		
10	Slip On Flange, Flat Face	100	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN6	III	120	No		
11	Slip On Flange	100	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN10	III	10	No		



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12	Slip On Flange, Flat Face	100	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN16	III	20	No		
13	Slip On Flange	80	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN25	III	8	No		
14	Slip On Flange	80	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN16	III	20	No		
15	Slip On Flange	80	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN10	III	70	No		
16	Slip On Flange	80	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN6	III	150	No		
17	Slip On Flange	65	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN16	III	70	No		
18	Slip On Flange	65	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN10	III	140	No		
19	Slip On Flange	65	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN6	III	200	No		
20	Slip On Flange, Flat Face	50	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN16	III	10	No		
21	Slip On Flange, Flat Face	50	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN10	III	120	No		
22	Slip On Flange	50	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN6	III	220	No		
23	Slip On Flange, Flat Face	40	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN10	III	120	No		
24	Slip On Flange	40	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN6	III	220	No		
25	Slip On Flange	32	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN16	III	2	No		
26	Slip On Flange	32	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN10	III	40	No		
27	Slip On Flange, Flat Face	32	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN6	III	140	No		
28	Slip On Flange, Flat Face	25	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN16	III	40	No		
29	Slip On Flange, Flat Face	25	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN10	III	12	No		





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MS FLANGE											
SL. No.	Item Description	Size	Material	Material Category	Standard	Rating	Class	Qty	UOM		
30	Slip On Flange, Flat Face	25	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN6	III	80	No		
31	Slip On Flange, Flat Face	20	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN16	III	10	No		
32	Slip On Flange, Flat Face	20	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN6	III	40	No		
33	Slip On Flange, Flat Face	15	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN16	III	40	No		
34	Slip On Flange, Flat Face	15	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN6	III	60	No		
35	Slip On Flange, Flat Face	25	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN10	III	10	No		

BHD FLANGE- CARBON STEEL											
SL. No.	Item Description	Size	Material	Material Category	Standard	Rating	Class	Qty	UOM	Rate	Amount
1	Bulkhead Flange	25	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN10	III	-	No		
2	Bulkhead Flange	40	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN10	III	-	No		
3	Bulkhead Flange	50	IS 2062 Gr B	CARBON STEEL	EN1092-1	PN10	III	-	No		



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SS PIPE													
SL. No.	Item Description	Size	OD	Sch	Thickness	Material	Material Category	Standard	Class	Qty	UOM	Rate	Amount
1	Seamless Pipe	20	27	40s	3.68	SS316L	STAINLESS STEEL	ASME B36.19M	III	2	mtr		
2	Seamless Pipe	25	33	40s	-	SS316L	STAINLESS STEEL	ASME B36.19M	III	30	mtr		
3	Seamless Pipe	40	48	40s	3.68	SS316L	STAINLESS STEEL	ASME B36.19M	III	15	mtr		
4	Seamless Pipe	25	33	80s	-	SS316L	STAINLESS STEEL	ASME B36.19M	III	2	mtr		
5	Seamless Pipe	40	48	80s	3.68	SS316L	STAINLESS STEEL	ASME B36.19M	III	10	mtr		
6	Seamless Pipe	50	60	80s	5.54	SS316L	STAINLESS STEEL	ASME B36.19M	III	25	mtr		
7	Seamless Pipe	65	73	80s	7.01	SS316L	STAINLESS STEEL	ASME B36.19M	III	20	mtr		
8	Seamless Pipe	80	73	80s	-	SS316L	STAINLESS STEEL	ASME B36.19M	III	15	mtr		





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SS FITTING													
SL. No.	Item Description	Size	OD	Sch	Thicknes s	Materia l	Material Category	Standar d	Class	Qty	UO M	Rate	Amount
1	Concentric Reducer	40X25	-	40s	3.68	SS316L	STAINLESS STEEL	ASME B36.19M	III	1	No		
2	Concentric Reducer	40X20	-	40s	3.68	SS316L	STAINLESS STEEL	ASME B36.19M	III	1	No		
3	Concentric Reducer	65X40	-	80s	-	SS316L	STAINLESS STEEL	ASME B36.19M	III	1	No		
4	Elbow 90 degree 1.5D	40	48	40s	-	SS316L	STAINLESS STEEL	ASME B36.19M	III	6	No		
5	Elbow 90 degree 1.5D	25	33	40s	-	SS316L	STAINLESS STEEL	ASME B36.19M	III	20	No		
6	Elbow 90 degree 1.5D	20	27	40s	-	SS316L	STAINLESS STEEL	ASME B36.19M	III	2	No		
7	Elbow 90 degree 1.5D	50	60	80s	5.54	SS316L	STAINLESS STEEL	ASME B36.19M	III	12	No		
8	Elbow 90 degree 1.5D	25	33	80s	-	SS316L	STAINLESS STEEL	ASME B36.19M	III	5	No		
9	Elbow 90 degree 1.5D	65	73	80s	5.16	SS316L	STAINLESS STEEL	ASME B36.19M	III	6	No		
10	Elbow 90 degree 1.5D	80	89	80s	-	SS316L	STAINLESS STEEL	ASME B36.19M	III	10	No		

SS FLANGE											
SL. No.	Item Description	Size	Material	Material Category	Standard	Rating	Class	Qty	UOM	Rate	Amount
1	Slip On Flange	80	SS316L	STAINLESS STEEL	EN1092-1	PN60	III	8	No		
2	Slip On Flange	65	SS316L	STAINLESS STEEL	EN1092-1	PN6	III	8	No		





UDUPI COCHIN SHIPYARD LIMITED
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3	Slip On Flange	50	SS316L	STAINLESS STEEL	EN1092-1	PN6	III	10	No		
4	Slip On Flange	40	SS316L	STAINLESS STEEL	EN1092-1	PN10	III	35	No		
5	Slip On Flange	40	SS316L	STAINLESS STEEL	EN1092-1	PN6	III	8	No		

PENETRATION SLEEVES

SL. No.	Line Size	Sleeve Size	MATERIALS		Qty	Rate	Amount
			Carbon Steel	SS 316L			
1	DN15	DN25 SCH80	16				
2	DN25	DN40 SCH80	13				
3	DN32	DN50 7.14 mm	43				
4	DN40	DN50 SCH40	75	1			
5	DN50	DN65 SCH40	107	2			
6	DN65	DN80 SCH40	86	5			
7	DN80	DN100 SCH120	75	2			
8	DN100	DN125 SCH120	8				
9	DN125	DN150 SCH180	1				

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.





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ANNEXURE-VII

TECHNO COMMERCIAL CHECK LIST (To be submitted by the bidder)

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

SL No.	Tender Enquiry Requirements	Confirmation from bidder (Strike off whichever is not applicable)	Specific comments /Remarks
1	Terms & Condition, Scope of work & Indicative Quantum of 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:



UNCONDITIONAL ACCEPTANCE LETTER

(Unconditional acceptance to be given by in letter head)

ACCEPTANCE OF TENDER CONDITIONS

1. Tender Document no. UCSL/CC/SB/T/201-202/297/2026 DT:22.09.2026
Tender For Pipe Spool Fabrication Of Battery Electric Tug UY 201-202 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:

