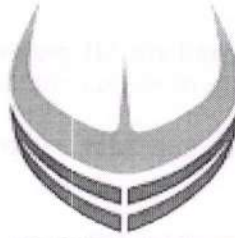


TENDER NO. UCSL/CC/SB/T/ 201-202/310/2026
DT.:23-10-2026

TENDER FOR ELECTRICAL OUTFITTING, CABLE LAYING,
TERMINATION & COMMISSIONING OF BATTERY ELECTRIC TUG
UY 201-202



UDUPI COCHIN SHIPYARD LIMITED

UDUPI COCHIN SHIPYARD LIMITED
MALPE, UDUPI 576108





UDUPI COCHIN SHIPYARD LIMITED
Tender for Electrical Work of Battery Electric Tug UY 201-202
UCSL/CC/SB/T/201-202/310/2026 DT: 23rd October 2026

TENDER NOTICE

Tender No. & date	UCSL/CC/SB/T/201-202/310/2026 DT: 23 rd October 2026
Name of work	Tender for Electrical Outfitting, Cable Laying, Termination & Commissioning of Battery Electric Tug UY 201-202
Last date & time of receipt of tender	06 TH NOVEMBER 2026 (FRIDAY), 15:30 HRS.
Date & time of opening of Technical Bid (Part-I)	06 TH NOVEMBER 2026 (FRIDAY), 15:30 HRS.

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

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

PART- I: TECHNICAL BID

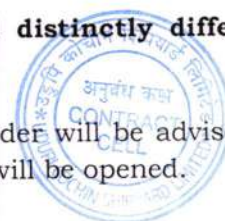
- a. **Tender document duly signed on all pages** - Including Terms & conditions, Scope of work and indicative Quantum of work placed at Annexure I, II and III respectively
- b. **The Techno commercial Check List** at Annexure VI to be filled up completely and duly signed.
- c. Duly filled form at Annexure – IV & 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 (2) 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. The bidders can also attend the bid opening physically at Udupi Cochin Shipyard Limited, Malpe Udupi, Karnataka, India.
- 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 Shipyards Limited, tender 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



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



UDUPI COCHIN SHIPYARD LIMITED
Tender for Electrical Work of Battery Electric Tug UY 201-202
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TERMS AND CONDITIONS

TENDER FOR ELECTRICAL OUTFITTING, CABLE LAYING, TERMINATION & COMMISSIONING OF BATTERY ELECTRIC TUG UY 201-202

1. DESCRIPTION OF WORK

- 1.1. This tender enquiry pertains to the awarding of contract for "Electrical Outfitting, Cable Laying, Termination & Commissioning of Battery Electric Tug UY 201-202" of 02 numbers of 60Ton bollard pull Tug to be built at Cochin Shipyard Limited (UCSL), cochin, Kerala.
- 1.2. The work includes Electrical equipment installation, cable laying, cable gland termination, commissioning of electrical systems as required to the satisfactory completion of works in accordance with the requirements of UCSL, Classification society and owner requirements.
- 1.3. Infrastructure and Consumables: The contractor shall complete the work with the available infrastructure facilities and materials provided by Udupi Cochin Shipyard Ltd (UCSL) in accordance with the enclosed Specifications, delivery schedule and UCSL - General Terms and conditions in all respects
- 1.4. Consumables:
- Gases (DA, Oxygen, CO2 and Argon) will be provided free of cost by UCSL
 - Welding consumables: All welding consumable shall be provided by UCSL on chargeable basis. The charges applicable for welding electrodes are mentioned below:

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

*The above prices are excluding of GST.

- 1.5. Welding electrodes and gases used for fabrication / erection purposes are supplied by UCSL only.
- 1.6. Consumable related to the electrical installation as per annexure will be scope of contractor.





UDUPI COCHIN SHIPYARD LIMITED
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- 1.7. The work is to be carried out at the skid area allocated to the contractor (s) inside CSL premises.
- 1.8. **You are requested to obtain clarifications, if any, and carefully study the documents and the scope of services and UCSL, before submitting your offer.**
- 1.9. The Agencies are advised to familiarize themselves with the site conditions before quoting.

2. SCOPE OF WORK

- 2.1. Electrical Outfitting, Cable laying, Termination & Commissioning, Hot Work, and dry survey necessary to satisfactorily complete the work in accordance with UCSL, Classification Society and Owner's requirements.
- 2.2. Refer **Annexure II and Annexure III** for detailed scope of work and indicative quantum of outfit structural works respectively

3. ABOUT THE 60T BOLLARD PULL AmpRA 3300-TUG:

Length O.A (Including fender)	: 33.0 meter
Length B. P	: 31.8 meter
Breadth (MLD)	: 12.2meter
Depth (MLD)	: 5.52 meter
Draft (Hull)	: 5.40 meter
Complement	: 12 Persons
Bollard Pull	: 60T @ 100% MCR
Installed Power	: 2 x 1918 Kw
Gross Tonnage	: <500 GT
Class Notation	: INDIAN COASTAL SERVICE, INWATER SURVEY, AGNI 1 (2400 M3/Hr.), BATTERY PROP
Type	: Indian Coastal Vessel

4. METHOD OF AWARDED CONTRACT

- 4.1. The contract shall be awarded to the bidder who qualifies technically, accepts the techno-commercial terms and conditions specified in Annexure VI, and emerges as the Lowest (L1) bidder based on the total contract value, subject to the terms and conditions of the tender.
- 4.2. This tender is for the construction of two (2) Nos. of 60T Bollard Pull AmpRA 3300 Tugs, designated as UY-201 and UY-202. UCSL reserves the right to award the work for both tugs to the L1 bidder or to award the work for one (1) tug initially, based on the performance and suitability of the L1 bidder and the operational requirements of UCSL.
- 4.3. UCSL reserves the right to split the contract and award the construction of the two tugs to two different contractors (One tug for one contractor), if deemed necessary. In such cases, the construction of UY-201 (the first vessel) shall be awarded to the L1 bidder. The next-ranked bidder (L2) shall be invited for negotiations to match the L1 bidder's rate for the construction of UY-202 (the second vessel). If the L2 bidder is unwilling to match the L1 rate, the subsequent bidders, in order of ranking (L3, L4, L5, and so on), may be invited for negotiations to match the L1 rate. If none of the other bidders agrees to match





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the L1 rate, UCSL reserves the right to award the construction of both vessels to the L1 bidder, subject to the applicable tender conditions.

- 4.4. UCSL reserves the right to award the scope of work for UY-201 and UY-202 to one or more contractors, in any combination, depending on its operational requirements and subject to the applicable tender conditions.
- 4.5. UCSL reserves the right to accept or reject any or all bids, cancel the tender, either in whole or in part, at any stage, without assigning any reason, subject to applicable laws, regulations, and the tender conditions.

COMMON REQUIREMENTS

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

5. SCHEDULE OF COMPLETION OF VESSELS

- 5.1. UY-201 to UY-202, 02 numbers of 60Ton bollard pull Tug electrical outfitting, cable laying, termination & commissioning of electrical systems to be completed within 8 Months from the date of commencement of work order/LOI.

Sl No	Vessel Detail	Start Date	Completion Date
1	UY-201- 60Ton bollard pull Tug	01 st Nov 2026	14 th Jul 2027
2	UY-202- 60Ton bollard pull Tug	01 st Dec 2026	09 th Aug 2027

- 5.2. The above Electrical outfitting, cable laying, Termination & commissioning of electrical systems completion date is inclusive of handing over to commissioning activities.
- 5.3. The contractor in turn shall submit their detailed scheduled of completion of the work, in consultation with the officer In-charge. The progress of work shall be made in tandem with the progress of completion of the vessel allowing sufficient time for other interface activities/works.
- 5.4. Yard has the right to change the schedules of the project to the interests of the company and the firm should be capable of adjusting the resources according to the instructions from the Yard contact person.
- 5.5. Detailed working schedule (Weekly/monthly) etc. to be prepared and submitted to yard personnel. However, a detailed overall schedule, in a reasonable manner should be submitted prior to commencement of work.
- 5.6. The work is of urgent nature and hence the contractor should mobilize the team to start the work not later than fifteen (15) days from the date of placement of work order.





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6. QUALIFICATION CRITERIA FOR VENDORS

- 6.1. The Bidder shall be a single firm having experience in Electrical Outfitting, Cable laying, Termination & Commissioning for a minimum of Three-year experience in similar areas of expertise.
- 6.2. The bidder should have qualified welders having relevant WPS approved by classification societies.
- 6.3. The contractor must have a site-in charge/ supervisor to execute work, with a minimum experience of 3 yrs. in Vessel Electrical field.
- 6.4. 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 to validate the same.
- 6.5. Bidder shall not be under a declaration of ineligibility issued by Govt. of India/ State govt./ Public Sector Undertakings etc. The bidder shall not have been debarred / black listed by UCSL or by any of the Public Sector Undertaking or Government department etc.
- 6.6. Net worth of the contractor must be positive as per the latest balance sheet. (MSME/NSIC will get exemptions).
- 6.7. The Bidder should be registered for GST and PAN no (Submit copy of Registration Certificate and PAN Card).
- 6.8. Firms claiming start-up certification issued by Govt of India, will be exempted as per govt rules & regulations.

7. INSPECTION

- 7.1. The vessel shall be built under the classification of IRS Class.
- 7.2. Work will be undertaken and inspected as per the quality standards provided by UCSL, and approved by CLASS and Owner of the vessels.
- 7.3. The complete work has to be carried out under the survey of UCSL, CLASS and Owners. The works are to be inspected and approved by UCSL initially and thereafter presented to CLASS and the Owner for their survey and approval.
- 7.4. All welding machines are to be calibrated.
- 7.5. All test and Inspections shall be carried out as per approved Quality Plan.
- 7.6. All test including NDT, Radiography tests, Tank testing as applicable
- 7.7. All works shall be as per strict compliance to weight control and approved UCSL drawings.
- 7.8. All correspondence with the Shipyard to be in English language. All documents and plans to be in English language and in metric units.

8. VALIDITY

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





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9. RATE

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

10. PAYMENT TERMS

10.1. Payment will be made in 5 stages:

Stage I: 25% of Total contracted value per vessel

Deliverables: Completion of 90% of the hot work completion including fixing of cable trays, cable penetrations and control panel foundation erection onboard.

Stage II: 15% of Total contracted value per vessel

Deliverables: Completion of 90% of Electrical panel installation, MSB installation and wheel house console installation.

Stage III: 20% of Total contracted value per vessel

Deliverables: Completion of 90% of cable laying and strapping.

Stage IV: 30% of Total contracted value per vessel

Deliverables: On completion of 100% cable termination, Loop testing and electrical system readiness for commissioning.

Stage V: 10% of Total contracted value per vessel

Deliverables: Completion of scope awarded to the contractor subject to clearance of all surveys and inspections by Class, Owner representative, UCSL representative, successful sea trial completion or upon expiry of six (6) months from the date of final inspection, whichever occurs earlier.

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

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

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

10.5. Payment will be made by RTGS/NEFT to the account of Agency. The name of the bank, branch, A/C No., IFSC code & other particulars shall be furnished by the Agency in the proforma of UCSL.

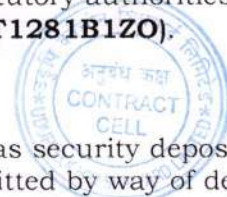
11. TAXES & DUTIES

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

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

12. SECURITY DEPOSIT

12.1. The contractor shall remit 5% of the value of the contract as security deposit within 15 days of receipt of the work order. This amount may be remitted by way of demand draft or bank guarantee (in approved proforma of UCSL) from any of the nationalized banks, valid till the satisfactory completion of the entire work. The Security Deposit will be





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released on certification of satisfactory completion of the contract and no liability to UCSL by Officer-in charge. The Security Deposit retained will not bear any interest.

13. PERFORMANCE GURANTEE

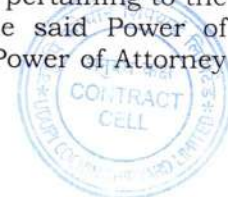
- 13.1. The complete work carried out by the contractor shall be guaranteed against defective on poor workmanship for a period of Six (06) months from the date of completion of work or till delivery of that vessel, whichever is earlier. Any work found defective during this period is to be repaired entirely at the contractor's cost at the vessel's location and such repaired items shall be guaranteed for a further period of three months from the date of repair.
- 13.2. Should any unsatisfactory performance and / or damage or failure occur due to poor workmanship and poor-quality material used by the contractor, the contractor shall be solely responsible for payment/reimbursement of expenditure incurred by Ship owner for rectifying the defect.
- 13.3. Towards this, a performance guarantee equivalent to 5% of the value of the contract to be furnished by the contractor on completion of the works by way of a bank guarantee (in approved proforma of UCSL, from a nationalized bank valid till the expiry of the guarantee period. In case the contract fails to submit the PG in time, SD mentioned at Clause 11 will be retained till the expiry of guarantee period.

14. LIQUIDATED DAMAGES

- 14.1. The progress of work will be monitored against the mutually agreed detailed schedule. Liquidated damages for delays in execution of the work beyond the scheduled date of completion, for any reason other than force majeure conditions, will be recovered at the rate of half percent of the value of the contract per week or part thereof, subject to a maximum of ten (10) percent of the value of the contract.
- 14.2. For better clarity, order values mentioned in LD clause are values excluding duties and taxes (Basic value). Liquidated damages, if any, shall be decided and settled only after the completion of the entire project but prior to the release of Final stage Payment.
- 14.3. If, for any reasons, supplier has a justification towards delay in supply / work execution and would intend to consider applicability/ non applicability of LD, the same shall be intimated to UCSL by way of a letter, failing which it will be deemed that delay is attributable to the supplier.
- 14.4. Delay in supply/Interruption of the work for reasons not attributable to supplier shall entitle extension of the order execution period for proportionate period without any additional cost to UCSL.

15. POWER OF ATTORNEY

- 15.1. The tenderer(s) shall have to sign in each page of the tender documents with official stamp as a token of his acceptance of the conditions stated therein.
- 15.2. The person signing the tender form on behalf of another or on behalf of a firm, shall enclose to the tender, a Power of Attorney or the said deed duly executed in his favour or the partnership deed giving him such power showing that, he has the authority to bind such other persons or the firm, as the case may be, in all matters pertaining to the contracts. If the Person so signing the tender, fails to enclose the said Power of Attorney, his tender shall be liable for being summarily rejected. The Power of Attorney





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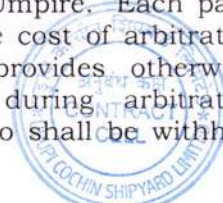
shall be signed by all partners in the case of partnership concern, by the Proprietor in the case of a proprietary concern, and by the person who by his signature can bind the company in the case of a Limited Company.

16. TERMINATION & LIMITATION OF LIABILITY

- 16.1. This contract may be terminated upon the occurrence of any of the following events
- 16.2. By agreement in writing of the parties hereto;
- 16.3. By the non-defaulting party, upon default by the other party, of any clause of this contract, if not remedied within fifteen (15) days, or such longer time as may be agreed upon by the parties, after receipt of notice thereof in writing from the non-defaulting party;
- 16.4. By the other party, upon either party;
 - i. Making the assignment for the benefit of creditors, being adjudged a bankrupt or becoming insolvent; or
 - ii. Having a reasonable petition filed seeking its' dissolution or liquidation, not stayed or dismissed within sixty (60) days; or
 - iii. Ceasing to do business for any reason.
- 16.5. For fraud and corruption or other unacceptable practices.
- 16.6. Upon expiry or termination of this Contract, neither party shall be discharged from any antecedent obligations or liabilities to the other party under this Contract unless otherwise agreed in writing.
- 16.7. UCSL may by notice in writing to Agency to terminate the order after issuing due notice i.e., 30 days' notice period. UCSL shall be entitled to compensation for loss limited to the order value.
- 16.8. Liability maximum that can be claimed by the Agency shall be limited to what is due to be and has been paid by UCSL for work done as per the payment milestones and limited to work order value.

17. ARBITRATION & JURISDICTION

- 17.1. Any disputes arising during the period of the contract shall, in the first instance be settled by mutual discussions and negotiations. The results of such resolution of dispute shall be incorporated as an amendment to the contract, failing which supplier shall approach the UCSL Grievance Redressal Committee as per relevant clause of the Contract.
- 17.2. If any dispute, disagreement or question arising out of or relating to or in consequence of the contract, or to its fulfillment, or the validity of enforcement thereof, cannot be settled mutually or the settlement of which is not herein specifically provided for, then the dispute shall within thirty days from the date either party informs the other in writing that such disputes, disagreement exists, be referred to arbitration. The arbitrators shall be appointed and the arbitration proceedings shall be conducted in accordance with and subject to the Arbitration and Conciliation Act, 1996 (No. 26 of 1996) as amended from time to time and the decision of the Arbitrators shall be final and binding on the parties hereto. The arbitration will be done by a Board comprising one arbitrator nominated by each party, and a mutually agreed Umpire. Each party shall bear its own cost of preparing and presenting its case. The cost of arbitration shall be shared equally by the parties unless the award provides otherwise. Performance under this Contract shall however, continue during arbitration proceedings and no payment due or payable by the parties hereto shall be withheld





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unless any such payment is or forms a part of the subject matter of arbitration proceedings.

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

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

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

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

18. SUB CONTRACTING AND ASSIGNMENT

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

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

19. SECRECY & RESTRICTION ON INFORMATION TO MEDIA

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

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

20. CANCELLATION OF ORDER AND RISK CONTRACTING

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

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

21. FORCE MAJEURE

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





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22. STORAGE OF MATERIAL AND EQUIPMENT

- 22.1. The Contractor shall arrange the storage of the materials/ equipment etc. if any, at a suitable location assigned by UCSL and shall ensure the safe and secure possession and handling of the items thus handed over to contractor. UCSL shall allot storage space within UCSL premises, if available.
- 22.2. As regards the equipment/materials stored by him as above as also in use by him, UCSL will not be responsible for any damage, pilferage, accident that may take place during the course of execution of the work. It will be entirely his responsibility to keep all the equipment, materials etc., in safe custody as also hold them duly insured at his expense.

23. IMS GUIDELINES

- 23.1. UCSL implemented an Integrated Management System (IMS) and the Quality Management System (QMS) within the yard. As part of IMS, subcontractors shall comply with the following measures related to the Quality, Health, and Safety & Environment (QHSE) policy of UCSL.
- Meeting or exceeding customer requirements.
 - Assuring quality of the products and service.
 - Preventing occupational ill health & injuries.
 - Ensuring safe work sites.
 - Conserving natural resources.
 - Preventing / minimizing air, water & land pollution.
 - Handling and disposal of Hazardous wastes safely.
 - Complying with statutory & regulatory and other requirements.
 - Developing skills and motivating employees.
- 23.2. Occupational Health, safety & Environmental requirements of UCSL shall also include the following.
- 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.
 - 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 Kerala.
 - 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.
 - 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.





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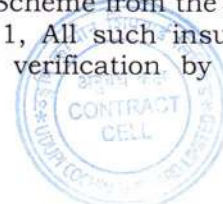
- e) If any contractor failed to comply with or violated any clauses/requirements of occupational health, safety and environmental Rules effective in the state, in their activities or at work sites and the same shall be exposed to the government or any competent authorities upon inspections, the contractor shall be solely responsible for all liabilities caused by his/her action and shall be responsible for paying the penalty and taking stipulated corrective actions insisted by the authorities within the specified time, at their own cost. Any liability to the company in this regard needs to be compensated by the contractor.
- f) Upon completion of the work, contractor shall clear the area and shall not leave any Occupational health/safety/environmental liabilities to the company, from their activities at the worksites.
- g) Any clarification related to IMS requirements of the yard, may be obtained by the contractor from the AGM (HSE) or the authorized representative of the contract, prior to the commencement of work.

24. SAFETY OF PERSONNEL AND FIRST AID

- 24.1. The contractor shall be entirely responsible for the safety of all the personnel employed by him on the work. In this regard, he may adopt all the required safety measures and strictly comply with the safety regulations in force. A copy of UCSL's "Safety Rules for Contractors (Revised)" is available with HSE department for reference.
- 24.2. The Agency may arrange to suitably insure all his workmen/ other personnel in this regard. UCSL will not be responsible for any injury or illness to the Agency's workmen/other personnel during execution of the works due to whatsoever reasons.
- 24.3. In this regard, the Contractor will have to fully indemnify UCSL against any claims made by his workmen/other personnel
- 24.4. The Agency shall provide and maintain so as to be readily accessible during all working hours, a first aid box with prescribed contents at every place where he employs contract labor for executing the works.

25. LABOUR LAWS AND REGULATIONS

- 25.1. The Agency shall undertake and execute the work with contract Labor only after taking license from the appropriate authority under the Contract Labor (Regulation & Abolition) Act 1970.
- 25.2. The Agency shall observe and comply with the provisions of all labour and industrial laws and enactments and shall comply with and implement the provisions of the Factories Act, 1948, Employees Provident Funds & Miscellaneous Provisions Act, 1952, Employees State Insurance Act, Payment of Gratuity Act, minimum Wages Act, Payment of Bonus Act, Contract Labour (Regulation and Abolition) Act and all other enactments as are applicable to him and his workmen employed by him. The Agency shall inform UCSL his license number from the Central Labour Commissioner.
- 25.3. All Persons, except those exempted under the respective Acts, shall necessarily be insured under the ESI scheme and be made members of the EPF Scheme from the day of their engagement as personnel in the Company. In Case 1, All such insured Persons should carry with them their ESI Identity Card for verification by the





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authorities. No Persons without a valid ESI Identity Card for verification by the authorities will be permitted to work in the company.

- 25.4. The Agency shall submit the Labour Reports/Returns as required by the Company from time to time in respect of their workmen in standard format to the concerned contracting officer so as to enable the same to reach Contract cell by the 5th of every month. Delayed submission of the same shall attract penal interest /damages at the rate as levied by the respective authorities under the relevant Acts.
- 25.5. The Agency shall maintain the records viz. Muster Roll, Acquittance Roll with full details, Account books etc., in original. These are required for inspection by the concerned authorities under each scheme.
- 25.6. If the Agency fails to pay any contributions, charges or other amounts payable under any of the aforementioned provisions of law, UCSL shall deduct or adjust amounts equivalent to such contribution, charges or amounts from amount payable to him by UCSL, including any deposit or amounts payable against bills and make payments on his account to the appropriate authority. He shall not be entitled to question or challenge such deductions, adjustments or payment made by UCSL.
- 25.7. Any other amount payable under any law or in respect of any person employed by the Agency, if not paid by him, shall be deducted or adjusted by UCSL out of any amount payable to the Agency including any Security Receipt and paid ever or withheld for payment by UCSL.
- 25.8. The Agency shall be fully responsible for the conduct and discipline of the workmen employed by him in the Company premises. If such workmen commit any misconduct or criminal act inside the Company, the Agency shall take appropriate action against such workmen. The Agency shall abide by the instructions/ guidelines issued by the Company for maintenance of discipline and good conduct among the workmen employed by him.
- 25.9. All persons who are engaged for various works in UCSL either directly or through Agency/contractors, should produce the following documents prior to issuing their entry passes:
- 25.10. Passport/Aadhaar attested copy of passport with photo and address particulars.
 OR
 Police clearance certificate with photo and address particulars. (Police clearance certificate to the effect that the concerned person is staying in the area of jurisdiction of the certificate issuing Police Station and that the person is not involved in any criminal offences as per the records available therein.)
- 25.11. Application and Declaration for enrolling under Employees Provident Fund and ESI Scheme- 3 individual passport size photographs and two copies of family photographs of the members.
- 25.12. **Agency shall familiarize themselves with the labour rules & regulations.**





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26. ELECTRICITY RULES AND REGULATION

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

27. OVERWRITING & CORRECTIONS

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

28. OTHER TERMS & CONDITIONS

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

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

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

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

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

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

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

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

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

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

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



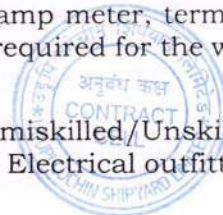


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SCOPE OF WORK

TENDER ELECTRICAL OUTFITTING, CABLE LAYING, TERMINATION & COMMISSIONING OF BATTERY ELECTRIC TUGUY 201-202

- 1.1. The scope of work pertains to the Electrical outfitting, Cable laying, Termination & Commissioning of Electrical systems, including all connected hot works and dry survey required for the satisfactory completion and commissioning assistance up to delivery in accordance with the requirements of UCSL, Classification society and owner requirements.
- 1.2. Integration of the electrical systems with all machineries, Accommodation system and other electrical system in the entire vessel.
- 1.3. Production drawing will be provided on commencement of work.
- 1.4. The entire Electrical hot work, Electrical outfitting, cable laying, termination & commissioning of electrical systems as per the indicative quantum of work as per Annexure III.
- 1.5. Electrical outfitting scope includes Electrical hot works, fixing of cable trays, cable laying, switch socket fixing, starter panel fixing, Switch board fixing and termination and presenting survey.
- 1.6. Electrical cable tray supports, Flat bars, equipment seats/Foundation and coamings required to be fabricated and welded on board, will be under the scope of contractor.
- 1.7. The contractor shall supply, handle, and provide all required hardware, consumables, cable lugs, glands, identification tags, ferrules, sleeves, cable ties, clamps, fasteners, tools, tackles, testing instruments, and installation aids necessary for completion of the work, as per project requirements; an indicative list of consumables is provided in a separate annexure.
- 1.8. Commissioning scope involves loop testing of cables, Megger test of electrical motors, Commissioning assistance till completion of the vessel.
- 1.9. Commissioning assistance for all electrical system up to delivery.
- 1.10. Project Execution, supervision, management and reporting of all the tasks/activities associated with the electrical works of the vessel as above.
- 1.11. Ensuring best housekeeping practices to keep the work premises neat and clean in daily basis.
- 1.12. Survey presentation to Yard I&QC, Owners and Class authorities as per yard practices and standards. Documents for the same may be accessed at TSL. Copies of the same will be provided at the time of awarding contract.
- 1.13. Rectification of defects as per the comments from Yard & QC, Owners & Class authorities.
- 1.14. Qualified and experienced electricians to be engaged by the subcontractor.
- 1.15. All tools and tackles like crimping tools, testing multimeter/clamp meter, terminal ferrule printing machine, cable strapping tool, production aids required for the work are under the scope of the subcontractor.
- 1.16. Mobilization of entire labour / Workmanship (Skilled/Semiskilled/Unskilled) required for the Electrical outfit fabrication & erection onboard, Electrical outfitting,





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cable laying, termination & commissioning of electrical systems work in accordance with the specifications and drawings provided by UCSL. Quality Assurance plan (QAP) and applicable data if required will be provided by UCSL.

- 1.17. Contractors are required to work round the clock / Sundays/ holidays as per the requirement of concerned department in order to complete the work in time.
- 1.18. Minor single staging up to 3m height shall be erected by the contractor for the work using UCSL material without any extra charges. Any requirement over and above this shall be arranged by UCSL separately.
- 1.19. Collection of material, Transportation/loading/unloading of materials / other equipment's from UCSL shops/store to contractor's site/skid in UCSL premises.
- 1.20. Providing all personnel protective items like safety helmets, gloves, welding shields, goggles, leg guards, safety belts, aprons, safety shoes etc. to their employees.
- 1.21. Attending weekly quality and safety patrol along with a UCSL officer, the observations are required to be closed within 7 days.
- 1.22. Ensuring best HSE practices at site during the construction of vessel, which includes mandatory work permits/certifications/approvals in accordance with the prevailing guidelines in UCSL.
- 1.23. The Contractor 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 Contractor's workmen/other personnel during execution of the works due to whatsoever reasons.
- 1.24. The Contractor 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.
- 1.25. 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.
- 1.26. The scope of work includes complete electrical outfitting, cable way fabrication and installation, cabling, termination, testing, commissioning assistance, survey presentation, including all associated hot works and dry surveys, Daily reporting of all electrical work activities on the vessel and off the vessel related to project before 6 pm every day, and submission of a weekly plan to the UCSL Engineer-in-Charge prior to work execution from commencement up to delivery of the vessel, to the satisfaction of UCSL, Owners, and Classification Society.

The daily report shall incorporate the following details:

- 1.27. Details of hot work activities such as fabrication and erection of cable trays, panel foundations, flat bars, coamings, goosenecks, minor equipment seats, etc., shall be included.
- 1.28. b. The total cable length cut from the storage area, along with cable size and type specifications, and for which system shall be recorded in the report.





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- 1.29. The total cable length laid on each working day, including cable size, type, and length, and details of the equipment between which the it is laid shall be documented.
- 1.30. Any additional cutting carried out on already laid cables during the project tenure shall also be recorded in the daily report for UCSL records.
- 1.31. The total number of terminations completed shall be documented, including details of the equipment between which the terminations are carried out.
- 1.32. The report shall also include details of the remaining work, along with the planned completion date referring to the project completion date, confirming the commitment to complete the project on time.
- 1.33. Megger test shall be carried out, and details of each system (hot and cold) shall be maintained in separate register, updated regularly, and shall be provided to the UCSL Engineer-in-Charge whenever asked for.

PART I – CABLE WAY & EQUIPMENT SEATS (ENTIRE VESSEL)

- 1.34. The contractor shall be responsible for fabrication and installation of complete cable ways and electrical equipment foundations throughout the vessel, including accommodation and exposed deck areas.
- 1.35. This includes:
 Fabrication and installation of cable tray supports, flat bars, equipment seats/foundations, goose necks, tank penetrations, coamings, gland pipes, and related structural items.
- 1.36. Installation of complete cable way system including cable trays, saddles, conduits, flat bars, coamings, goose necks, and associated hot works for the entire vessel.
- 1.37. Installation of seats/foundations for all electrical and instrumentation equipment including field sensors, level switches, remote-control valves, tank sounding systems, and related items. Required copper tubing, if any, is included in contractor scope.
- 1.38. Welding of pads and fittings for cable trays and equipment seats on tanks, bulkheads, decks, mast, and weather-exposed areas as per drawings and yard standards.

PART II – ELECTRICAL OUTFITTING, CABLING, TERMINATION & COMMISSIONING

- 1.39. The contractor shall carry out installation, cabling, termination, testing, and commissioning assistance for all electrical systems (except those explicitly mentioned under UCSL scope), in accordance with contract specifications, UCSL standards, approved drawings, and marine/class requirements.
- 1.40. This includes:
 - a) Installation of all electrical equipment including switchboards, panels, starters, motors, sensors, and field instruments.
 - b) Laying of all types of cables onboard the vessel as per UCSL and marine standards.





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- c) Cables include power, control, instrumentation, fiber optic, CAT-7, underwater transducer cables, antenna and communication cables, maker cables, sensor cables, and other special cables.
- e) Dressing, segregation, and localized routing of cables near equipment (temporary and permanent).
- f) Cable termination for all electrical and electronic equipment as per approved standards.
- g) Testing and commissioning assistance including loop checks, continuity checks, megger testing of motors and cables (as required), and support to OEM / UCSL commissioning engineers until vessel delivery.
- h) Earthing of all equipment including welding of earthing studs where required. Supply of earthing cables and earthing hardware is under contractor scope.
- i) Fabrication and installation of pipes and routing of cables for echo sounder, speed log, ICCP, ICAF, bilge level sensors, etc., from sensors to JB/equipment as per yard drawings.
- j) Laying and termination of load test cables at load bank/transformer and MSB, and assistance during generator load testing.
- k) Assistance during machinery commissioning, accommodation outfitting, harbour trials, surveys, and sea trials as directed by UCSL.
- l) Minor re-works, modifications, and rectifications arising due to outfitting constraints, drawing revisions, or survey comments shall be carried out at no extra cost.

HARDWARE, CONSUMABLES & TOOLS - CONTRACTOR SCOPE

- 1.41. The entire supply, handling, and consumption of the following items shall be under contractor scope: (Indicative list of consumables is attached in the separate annexure)
- a) All type of Cable lugs (PG type and Class-approved), suitable for M4 to M16 bolts. For cables ≥ 35 sq.mm, double compression long barrel lugs shall be used.
 - b) Cable glands (where not supplied by OEM),
 - c) Cable identification tags (PVC/metal slip-in for indoor areas and SS 316 for outdoor areas), ferrules, sleeves, and printing materials.
 - d) Stainless steel bands, buckles, marine-grade cable ties, clamps, saddles, fasteners, bolts, nuts, washers, and fixing hardware.
 - e) All tools and tackles including crimping tools, testing instruments (multimeter, clamp meter, megger), sleeve printers, cable strapping tools, cable cutters, slicers, winches, ladders, and installation aids.





OTHER RESPONSIBILITIES OF CONTRACTOR

- 1.42. Transportation within Cochin unit, storage, protection, preservation, and accounting of all issued materials until vessel delivery.
- 1.43. Execution strictly as per approved drawings, UCSL standards, marine rules, and class requirements.
- 1.44. Deployment of qualified and certified manpower, supervisors, tools, and test equipment.
- 1.45. Preparation and submission of overall schedule and daily/weekly progress plans.
- 1.46. Compliance with UCSL safety rules, work permits, hot work approvals, confined space entry, and HSE requirements.
- 1.47. Housekeeping, waste disposal, and maintaining clean work areas on a daily basis. Failure of same will attract penalty
- 1.48. Survey and trial presentation to UCSL I&QC, Owners, and Classification Society and rectification of all observations.
- 1.49. Any damage or loss to UCSL-supplied material due to contractor negligence shall be recovered from the contractor.
- 1.50. Contractor shall work round-the-clock, including Sundays/holidays, if required to meet project schedules.
- 1.51. Manpower shall be provided for project-related work whenever requested by the UCSL Engineer-in-Charge
- 1.52. The Contractor and all personnel deployed by the Contractor shall comply with the instructions of the UCSL Engineer-in-Charge for the execution of work throughout the project duration. Any rude, unresponsive, or inappropriate behaviour will result in disciplinary action, including applicable penalties or the termination of contract.

SCOPE OF SUPPLY / WORK OF UCSL

- 1.53. Providing the required technical specifications & applicable drawings.
- 1.54. Electrical outfitting materials, electrical systems & cables shall be supply by UCSL.
- 1.55. Drawings, Quality assurance plan (QAP) shall be provided.
- 1.56. Note: Drawings & QAP are UCSL property & contractor should not use this for any other purpose/projects.
- 1.57. Services of UCSL crane & forklift /other material handling facilities, will be provided subjected to availability.
- 1.58. Overseeing of the construction process.
- 1.59. Supply of electricity, water, cutting gas, Argon, and compressed air at free of cost.
- 1.60. Supply of welding consumables on chargeable basis.

ADDITIONAL WORKS

- 1.61. Any additional works up to 5% growth of work on the electrical outfitting, cable laying on the entire scope is to be envisaged and is to be undertaken without any additional price impact.





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- 1.62. Any minor modifications, resulting from the change in statutory regulations prevailing at the time of final inspection of work by Classification Society, to be carried out by the Contractor free of cost. In case of rework/modification/additional work, written consent is to be obtained from the Officer-in-charge before commencement of the work.
- 1.63. The Contractor shall carry out the entire work in accordance with the Shipyard's approved drawings. Any minor changes to the drawings, any minor modifications instructed by the UCSL Site Engineer in charge, or any additional work or supply of materials not explicitly specified herein but deemed incidental and essential for the successful completion of the job shall be carried out by the Contractor without any additional cost.
- 1.64. Contractor shall execute, during or after completion of the work, any minor job connected with the work, that is considered necessary by Shipyard and/or Classification Society.
- 1.65. The contractor shall be responsible for any damages caused to the material supplied by UCSL. Compensation with penalty for damage or loss of the item will be recovered from the Contractor, in the event of loss or damage.

GENERAL CONDITIONS

- 1.66. UCSL reserves the right to award the work to more than one contractor or to take over the work, either partially or fully, depending on schedule requirements. If the subcontractor/manpower does not adhere to the agreed schedule, the corresponding amount shall be deducted from the contract on a manday basis.
- 1.67. Udupi Cochin Shipyard Limited reserves the right to terminate the Contract at short notice in case the Contractor's performance is found not satisfactory with regard to progress of work, quality, time factor, labour dispute with their workers, poor safety records etc., and other contractual obligations. No claim whatsoever will be entertained by Cochin Shipyard Limited on this account.
- 1.68. 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.





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INDICATIVE QUANTUM OF ELECTRICAL WORKS

TENDER FOR ELECTRICAL OUTFITTING, CABLE LAYING, TERMINATION & COMMISSIONING OF BATTERY ELECTRIC TUG UY 201-202

Sl. No	SYSTEMS	SCOPE INCLUDED SYSTEM
1	ICAF/MGPS	Included
2	Deck crane	Included
3	Autopilot	Included
4	NAVIGATION & COMMUNICATION EQUIPMENT PACKAGE LOCAL INTEGRATOR (individual equipment specified below), a) Radar Plant, b) DGPS Navigators, c) Magnetic Compass, d) Speed log & Echo Sounder, e) Automatic Identification System (AIS), f) ECDIS, h) VHF with DSC and Watch Receiver, i) EPIRB, j) Radar Transponder, k) NAVTEX Receiver, l) VHF Hand held Radio, m) UHF g) Anemometer, m) Inmarsat C, n) Gyro, o) BANWAS, p) MFHF	Included
5	Auto Telephone System, Public Address System, Sound Powered Telephone System, Talkback system.	Included
6	Navigation light	Included
7	Search Lights	Included
8	Deck Machinery	Included
9	Oil Spill Dispersant Arm & Oil Dispersant Pump	Included
10	Galley/Pantry and Laundry Equipment	Included
11	Ventilation, Air-Conditioning System	Included
12	Centrifugal/Screw pump	Included
13	Sewage treatment plant	Included
14	DC & AC Switchboard & Battery banks	Included
15	Azimuth Thruster	Included
16	Main diesel generator set	Included
17	Harbour Diesel Generator	Included
18	Fuel & Lube oil purifier	Included
19	Starting air compressor	Included
20	Central system	Included
21	Oily Water separator	Included
22	Fire detection and alarm system	Included
23	CO2 Fixed Fire system & Water mist system	Included
24	External Fire Fighting System – Pump/Monitor/Foam System/Water Spray	Included
25	Power System Package a) Distribution Transformer, b) 24V Battery Charger for starting Batteries) Wheel house transformer c) Main switchboard & Distribution Boards (415/230/24V), d) Local/Group Starter Panels, e) Shore power supply connection box & f) Rectifier cum battery charger, g) Shore Connection panel	Included
26	Batteries	Included
27	Normal & emergency Lighting System	Included
28	Rescue boat & Davit	Included
29	Window wiper	Included
30	CCTV	Included
31	LAN	Included
32	Gas detection System	Included
33	UHF	Included



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ELECTRICAL HOT WORKS-ELECTRICAL OUTFIT					
Sl No.	Activities	Unit	Qty	Dimension	Type
1	Installation of Z type cable ladder (GAL).	Mtrs	200	1591(L) X 400(W)	Major
	Installation of Z type cable ladder (GAL).	Mtrs	40	1591(L) X 300(W)	Major
2	Installation of Z type cable ladder (GAL).	Mtrs	200	1591(L) X 200(W)	Major
3	Installation of Z type cable ladder (GAL).	Mtrs	30	1591(L) X 100(W)	Major
4	Supply & Installation of flat bar along with doubler pad	Mtrs	375	50x50x6	Major
5	Supply & Installation of flat bar along with doubler pad	Mtrs	360	32x32x6	Major
6	Earth bush fit-up and welding	Nos	220	M25x30x30	Major
7	External equipment cable duck tube flip-up and welding	Nos	75	1/3/4 inch	Minor
8	Supply & Installation of Rectangular Coaming	Nos	35		Major
9	Supply & Installation of Pipe Coaming	Nos	35		Major
10	Supply & Installation of Outer deck Goose neck pipes	Nos	25		Major

*All quantities mentioned are indicative only and are provided solely for the purpose of a rough estimate. For accurate and detailed work quantities, subcontractors are requested to go through General Arrangement drawing.





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ELECTRICAL SYSTEMS -FABRICATION(SEAT/FOUNDATION) , INSTALLATION & TERMINATION			
SL. NO.	DESCRIPTION	QTY	DIMENSION (LXHXD)
I	L- DRIVE COMPARTMENT		
1	PM MOTOR ISOLATOR PANEL NO.1	1	1000LX700DX1500H
2	PM MOTOR ISOLATOR PANEL NO.2	1	1000LX700DX1500H
3	AZIMUTH THRISTER CONTROL UNIT NO.1	1	600 L x 1000 H X 250 D
4	AZIMUTH THRISTER CONTROL UNIT NO.2	1	600 L x 1000 H X 250 D
5	DC POWER SUPPLY UNIT 1	1	300 H x 322L x 210D
6	DC POWER SUPPLY UNIT 2	1	300 H x 322L x 210D
7	LO PUMP STARTER NO1	1	600 L X 600 H X 360 D
8	LO PUMP STARTER NO2	1	600 L X 600 H X 360 D
9	ESU 1	1	1200 H X800 WX400 D
10	ESU 2	1	1200 H X800 WX400 D
11	ESU 3	1	1200 H X800 WX400 D
12	ESU 4	1	1200 H X800 WX400 D
13	BRAKE RESISTOR UNIT 1	1	
14	BRAKE RESISTOR UNIT 2	1	
15	TDI UNIT 1	1	
16	TDI UNIT 2	1	
17	TRANSFORMER 415/230V No.1 (50 Kva)	1	950 (H) X 1120 (L) X 620 (W)
18	TRANSFORMER 415/230V No.2 (50 Kva)	1	950 (H) X 1120 (L) X 620 (W)
19	DECK MACHINERY CPT LOCAL CONTROL BOX	1	280X300X300
20	415V GROUP STARTER PANEL-5	1	400WX500HX220D MM
21	PORTABLE HYDRAULIC PUMP REMOTE START STOP	1	70X130X53
22	24V DC BUZZER	1	
II	SWITCHBOARD ROOM		





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1	MAIN DC SWITCHBOARD 1	1	5930 LX 644D X 2012H
2	MAIN DC SWITCHBOARD 2	1	5930 LX 644D X 2012H
3	MAIN SWITCHBOARD 415V / 230AC	1	2350WX1800HX500D MM
4	6 kVA UPS No.1	1	650L x 700D x 1100H
5	6 kVA UPS No.2	1	650L x 700D x 1100H
6	15" HMI DISPLAY - 1 -AMS	1	
7	PEMS PRINTER	1	
8	24" PEMS DISPLAY WITH KEYBOARD	1	
9	ALARM MONITORING PANEL	1	
III	BATTERY ROOM PORT		
1	BATTERY PACK & RACK PORT	1	10330X1000X2851
2	SOUNDER FLASHER AMS BATRM PORT	1	
IV	BATTERY ROOM STBD		
1	BATTERY PACK & RACK Stbd	1	10330X1000X2851
2	SOUNDER FLASHER AMS BATRM STBD	1	
V	MACHINERY SPACE		
1	FUEL OIL TRANSFER PUMP 1 REMOTE START STOP	1	
2	FUEL OIL TRANSFER PUMP 2 REMOTE START STOP	1	
3	24V ENGINE ROOM PANEL (DC-3)	1	650WX850HX210D MM
4	200KVA TRANSFORMER 580/415V No.1	1	1500 x 1500 x 1000
5	200KVA TRANSFORMER 580/415V No.2	1	1500 x 1500 x 1000
6	CHANGE OVER PANEL No.1	1	1200Lx800Dx2000H
7	CHANGE OVER PANEL No.2	1	1200Lx800Dx2000H
8	DC3 BATTERY 24V DC 150AH	1	650WX650HX320D MM
9	415V GROUP STARTER PANEL-1		500WX700HX260D MM
10	415V GROUP STARTER PANEL-2		400WX500HX220D MM
11	DC3 BATTERY CHARGER 24V	1	500WX600HX250D MM
12	L.O PRIMING PUMP STARTER PANEL PORT	1	500X600X236





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13	L.O PRIMING PUMP STARTER PANEL STBD	1	500X600X236
14	FI-FI PANEL	1	600X760X140
15	ENGINE ORDER TELEGRAPH EOT (PORT)	1	300X300X270
16	ENGINE ORDER TELEGRAPH EOT (STBD)	1	300X300X270
17	OILY WATER PUMP REMOTE START STOP	1	
18	AUX- COOLING PUMP REMOTE START STOP	1	70X130X53
19	MGPS PANEL 1 2WAY	1	500X500X300
20	MGPS PANEL 2 4WAY	1	300X450X366
21	SEWAGE PUMP PORT REMOTE START STOP	1	70X130X53
22	SLUGE PUMP REMOTE START STOP	1	70X130X53
23	GENERATOR 1 BATTERY	1	475X475X320
24	GENERATOR 2 BATTERY	1	475X475X320
25	BILGE PUMP REMOTE START STOP	1	
26	FIRE/ GS /BACKUP/ BLIGE PUMP REMOTE START STOP	1	
27	LUBE OIL TRANSFER PUMP REMOTE START STOP	1	70X130X53
28	LUBE OIL TRANSFER PUMP STARTER PANEL	1	
29	GENSET -1 BATTERY CHARGER-105A	1	
30	GENSET -1 BATTERY CHARGER -75A	1	
31	WORKSHOP FAN REMOTE START STOP	1	70X130X53
32	CRANE STARTER PANEL	1	500X700X250
33	HARBOUR DG BATTTERY CHARGER	1	500X600X250
34	HARBOUR DG BATTTERY BANK	1	650X320X610
35	7" HMI DISPLAY 5 AMS	1	
36	SOUNDER FLASHER AMS MACHINERY ROOM	1	
37	MOTOR CONTROL CENTRE 1	1	
38	MOTOR CONTROL CENTRE 2	1	
39	MOTOR CONTROL CENTRE 3	1	
40	MOTOR CONTROL CENTRE 4	1	
41	BATTERY CHILLER NO.1	1	





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42	BATTERY CHILLER NO.2	1	
43	230V ENGINE ROOM PANEL 1 (PC203)	1	650WX700HX210D MM
44	230V ENGINE ROOM PANEL 2 (PC204)	1	650WX850HX210D MM
45	415V ENGINE ROOM PANEL-1 (PA402)	1	700WX700HX210D MM
46	415V ENGINE ROOM PANEL-2(PB402)	1	700WX700HX210D MM
47	AC CONTROL PANEL	1	
48	HVAC PUMP PORT REMOTE START STOP	1	70X130X53
49	HVAC FAN REMOTE START STOP	1	70X130X53
50	EMERGENCY STOP PANEL STATION	1	
51	24V DC BUZZER MAC RM 1	1	
52	24V DC BUZZER MAC RM 2	1	
53	GENERAL ALARM PUSH BUTTON	1	
54	MAIN ENGINE CONTROL PANEL	1	1200X1800X650
55	ECR CONSOLE	1	1800X800X700
56	PA JUCTION BOX and its Units	8	
57	TELEPHONE JB	1	
58	PA AND SPT POWER JB	1	
59	MUTE BUZZER	1	
60	15" WORKSTATION ECRCONSOLE		
61	230V GROUP STARTER PANEL-1	1	
VI	DOMESTIC EQUIPMENT SPACE		
1	415V Group Starter Panel-3	1	500WX700HX260D MM
2	415V Group Starter Panel-4	1	500WX700HX260D MM
3	DECK MACHINERY CONTROL BOX	1	950X700X300
4	DECK MACHINERY STARTER A PANEL	1	600X500X250
5	DECK MACHINERY STARTER B PANEL	1	600X500X250
6	FRESH WATER PUMP 1 REMOTE START STOP	1	70X130X53
7	FRESH WATER PUMP 2 REMOTE START STOP	1	70X130X53





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8	415V / 230V, 50 kVA, 3 PHASE TRANSFORMER NO.1 WITH PRE-MAGNETIZING CIRCUIT	1	
9	415V / 230V, 50 kVA, 3 PHASE TRANSFORMER NO.2 WITH PRE-MAGNETIZING CIRCUIT	1	
10	FRESH WATER TRANSFER PUMP REMOTE START STOP	1	70X130X53
11	SEA WATER PUMP 1 REMOTE START STOP	1	70X130X53
12	SEA WATER PUMP 2 REMOTE START STOP	1	70X130X53
13	DOMESTIC EQUIPMENT SPACE FAN REMOTE START STOP	1	70X130X53
14	AIR COMPRESSOR STARTER PANEL 1	1	400X500X210
15	AIR COMPRESSOR STARTER PANEL 2	1	
16	BATTERY EMERGENCY PUSH BUTTON-PORT	1	
17	BATTERY EMERGENCY PUSH BUTTON-STBD	1	
18	ECO SOUNDER	1	
19	SPEED LOG	1	
VII	LOWER ACCOMMODATION		
1	230V ACCOMMODATION PANEL-2	2	500WX600HX210D MM
VIII	MAIN DECK		
1	230V GALLEY DISTRIBUTION PANEL (PC205)	1	450WX500HX210D MM
2	230V ACCOMMODATION PANEL-1	1	450WX500HX210D MM
3	415V, 3PHASE AC SHORE CONNECTION BOX	3	
4	CO2 RELAY BOX	1	
5	EMERGENCY STOP FOR ENGINE ROOM VENTILATION FAN	1	
6	EMERGENCY STOP FOR HYDRO CARBON SERVICE PUMP	1	
7	HVAC CO2 ROOM FAN-LIMIT SWITCHES	1	
8	DECK LOCKER PS DOOR LIMIT SWITCH	1	





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9	EMERGENCY STOP PUSH BUTTONS	1	
10	7" HMI DISPLAY 4 AMS	1	
11	VHF2-NCM980 CONTROLER-2	1	
12	DC-2 BATTERY CHARGER 24V	1	
13	GMDSS SUPPLY BATTERY CHARGER 24V 45A	1	
14	HVAC GALLEY EXHAUST FAN-REMOTE START STOP	1	70X130X53
15	HVAC GALLEY SUPPLY-REMOTE START STOP	1	70X130X53
16	24V DC BUZZER AMS	1	
17	24V DC BUZZER AMS	1	
18	7" HMI DISPLAY-3 AMS	1	
19	VHF1-NCM980 CONTROLER-1	1	
20	DECK LOCKER SB DOOR LIMIT SWITCH	1	
21	ENGINE ROOM VENT FAN 1-REMOTE START STOP	1	
22	ENGINE ROOM VENT FAN 2-REMOTE START STOP	L	
IX	PLENUM SPACE		
1	24V DC EMERGENCY PANEL (DC1)	1	650WX850HX210D MM
2	24V DC WHEEL HOUSE PANEL (DC-2)	1	650WX700HX210D MM
3	24V DC GMDSS DISTRIBUTION BOARD (DC4)	1	500WX600HX210D MM
4	DC1 BATTERY CHARGER-1, 24V 160A	1	1000WX925HX440D MM
5	DC1 BATTERY CHARGER-2, 24V 160A	1	1000WX925HX440D MM
6	230V WHEELHOUSE PANEL	1	
7	WINDOW WIPER CONTROL BOX	1	
8	SOUND POWERED TELEPHONE JB	1	300X450X150
9	MBSRE RACK (PA SYSTEM)	1	432X601X285
10	AUTO TELEPHONE JB	1	391X640X237
X	WHEEL HOUSE		
1	230V NAVIGATION SYSTEM DB (PC201-15)	1	500WX600HX210D MM
2	230V COMMUNICATION SYSTEM DB	1	450WX500HX210D MM





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3	230V WHEEL HOUSE PANEL (PC201)	1	650WX850HX210D MM
4	DECK MACHINERY AWT REMOTE PANEL	1	360X320 320X280 (Cutout)
5	EMERGENCY PUSH BUTTON STATION	1	
6	EMERGENCY STOP PUSH BUTTONS FOR SSG1	1	80X90X70
7	EMERGENCY STOP PUSH BUTTONS FOR SSG2	1	80X90X70
8	EMERGENCY STOP PUSH BUTTONS FOR HDG	1	80X90X70
9	WHEEL HOUSE CONSOLE PORT	1	
10	WHEEL HOUSE CONSOLE STBD	1	
11	OVERHEAD CONSOLE PORT	1	
12	OVERHEAD CONSOLE STBD	1	
13	OVERHEAD CONSOLE CENTRE	1	
14	FLOAT FREE SATELLITE EPIRB	1	
15	NAVIGATION LIGHT PANEL	1	
16	EXTERIOR LIGHT CONTROL PANEL	2	
17	GMDSS	1	
XI	MISCELLANEOUS		
1	DC2 Battery 24V DC, ~100AH	4	475WX475HX320D MM
2	DECK MACHINERY AWT LOCAL CONSOLE PANEL	4	301X261
3	DC1 Battery 24V DC ~1400AH	1	
4	Power management system	1	
5	Converters	1	
6	GMDSS battery ~160AH 24V	1	
7	Battery management system	1	
8	THRUSTER CONTROL PANELS	1	
9	Junction boxes	50	
10	Vessel Performance Monitoring System (VPMS)	1	
11	Bridge console	1	
12	Overhead console in bridge	1	
13	Floodlight	7	
14	Searchlight	2	
15	Fire detection and alarm system	1	
16	General alarm system	1	
17	Television- Combined TvVaerials to suit televisions	1	





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18	Intercom station in each cabin	1	
19	intercom station in mess	1	
20	Intercom station in galley	1	
21	Intercom station in wheelhouse	1	
22	Intercom stations on working decks, switchboard room , L-drive room and battery rooms	1	
23	2 head sets in main machinery room	1	
24	Blue rotating becons in machinery spaces and battery room	1	
25	Sound powered telephone-wheelhouse	1	
26	Sound powered telephone-Machinery room	1	
27	Sound powered telephone- L-drive compartment	1	
28	Gooseneck microphone with footswitch for each VHF radio	1	
29	Main ,emergency lighting, Embarkation and other all lights	185	
30	Electric whistle	1	
31	Alarm system cabinets	1	
32	X band RADAR	1	
33	Weather station with anemometer	1	
34	Satellite compass	1	
35	DGPS	1	
36	AIS Class B	1	
37	Echosounder	1	
38	Speedlog	1	
39	Magnetic compass with azimuth mirror (Plus one spare compass)	1	
40	SSAS/LRIT	1	
41	ECDIS	1	
42	Inmarsat C- 1 no.	1	
43	VHF with DSC- 2 Nos	1	
44	VHF repeater in mess and captain cabin	1	
45	MF/ HF radio telephone	1	
46	Hand held VHF- 3 Nos	1	
47	NAVTEX receiver	1	
48	Float free EPIRB- 1 No.	1	
49	SART-1 No.	1	





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50	Flares-1 ship set	1	
51	24 V general service battery and battery chargers	6	
52	DC switchboards/ Distribution boards	8	
53	Switches and sockets	110	
54	BNWAS	2	
55	Gas detection system	1	
56	CCTV system and its units	12	
57	LAN system& sockets	20	
58	CO2 gas flooding system -relay box	1	
59	Battery Room fixed fire Extinguishing system (Low pressure freshwater and sea water spray system) - Control panel & pushbutton station	1	
60	Battery Room secondary fixed fire Extinguishing system (Low pressure freshwater and sea water spray system)	1	
61	L Drive Propulsion unit control panel (2 Nos)	1	
62	Primary Generator (940 kW) control panel	1	
63	Secondary Generator (550 kW) control panel	1	
64	Emergency Fire Pump starter panel	1	
65	Fire Fighting Pump (Off-Ship) control panel	1	
66	Foam System control panel	1	
67	Oily Water Separator control panel	1	
68	Dispersant System- control panel	1	
69	Fresh Water pressure set Control panel	1	
70	Hot Water Calorifier control panel	1	
71	UV Sterilizer control panel	1	
72	STP control panel	1	
73	Black water transfer pump starter panel	1	
74	Rescue boat with davit- control panel	1	
75	Local control console for anchor windlass No.1	1	





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76	Local control console for anchor windlass No.2	1	
77	Local control console for Towing winch (TGW) No.1	1	
78	Local control console for Towing winch (TGW) No.2	1	
79	Hydraulic control unit for Windlass / Towing Winch No.1	1	
80	Hydraulic control unit for Windlass / Towing Winch No.2	1	
81	Hydraulic control unit for Towing Winch No.1	1	
82	Hydraulic control unit for Towing Winch No.2	1	
83	Hydraulic control unit for capstan	1	
84	DG remote panel	1	600x210x800
85	HVAC control panels and its fan starter(each unit)	3	
86	Tank, Bilge & door Sensors and its Jb's	35	
87	Coaming -pipe and rectangular(compound filling)	75	
88	AFDS sensors including MCP, hooters and all sensors	38	
89	Water mist system	1	
90	Wheelhouse AC transformer with cable	1	
91	Mast -All Nav. And Comm. System's along with sensors	1	

*All quantities mentioned are indicative only and are provided solely for the purpose of a rough estimate. For accurate and detailed work quantities, subcontractors are requested to go through General Arrangement drawing.

CABLE LAYING, STRAPPING & TERMINATION			
SL. NO	DESCRIPTION	Quantity	UOM
VFD CABLES			
1	CABLE 3X95+3X16 -0.6/1 KV DC VFD	1100	M
2	CABLE 2X95 -0.9/1.5 KV DC VFD	650	M





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3	CABLE 3X50 + 3 X10 - 0.6/1 KV AC VFD	140	M
4	CABLE 3X70 + 3 X16- 0.6/1 KV AC VFD	450	M
5	CABLE 3X185 + 3 X35 KV AC VFD	100	M
POWER CABLES: XLPE, FLAME RETARDANT, LOW SMOKE, HALOGEN FREE			
6	POWER CABLE 1x95 SQMM	800	M
7	POWER CABLE 2X1.5SQMM	4500	M
8	POWER CABLE 2X2.5 SQMM	3200	M
9	POWER CABLE 2X4 SQMM	200	M
10	POWER CABLE 2X10 SQMM	200	M
11	POWER CABLE 2X16 SQMM	300	M
12	POWER CABLE 3X1.5 SQMM	3000	M
13	POWER CABLE 3X2.5 SQMM	2000	M
14	POWER CABLE 3X4 SQMM	800	M
15	POWER CABLE 3X6 SQMM	800	M
16	POWER CABLE 3X10SQMM	400	M
17	POWER CABLE 3X16 SQMM	800	M
18	POWER CABLE 3X25 SQMM	400	M
19	POWER CABLE 3X35 SQMM	300	M
20	POWER CABLE 3X50 SQMM	400	M
21	POWER CABLE 2X1.5+PE SQ.MM	260	M
22	POWER CABLE 2X6+PE SQ.MM	50	M
23	POWER CABLE 2X10+PE SQ.MM	60	M
24	POWER CABLE 3X1.5+PE SQ.MM	100	M
25	POWER CABLE 3X4+PE SQ.MM	100	M
CONTROL CABLES: XLPE, COLLECTIVELY SCREENED, FLAME RETARDANT, LOW SMOKE, HALOGEN FREE			
26	CONTROL CABLE 1X2X0.75 SQMM	1600	
27	CONTROL CABLE 2X2X0.75 SQMM	1400	M
28	CONTROL CABLE 4X2X0.75 SQMM	500	M
29	CONTROL CABLE 7X2X0.75 SQMM	200	M
30	CONTROL CABLE 10X2X0.75 SQMM	400	M
31	CONTROL CABLE 14X2X0.75 SQMM	200	M
32	CONTROL CABLE 1X2X1.5 SQMM	1400	M
33	CONTROL CABLE 2X2X1.5 SQMM	2500	M
34	CONTROL CABLE 4X2X1.5 SQMM	700	M
35	CONTROL CABLE 5X2X1.5 SQMM	1300	M
36	CONTROL CABLE 7X2X1.5 SQMM	600	M
37	CONTROL CABLE 10X2X1.5 SQMM	800	M
38	CONTROL CABLE 14X2X1.5 SQMM	500	M
39	CAT 7 & CANBUS cable	700	M





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40	Profibus cable	100	M
CONTROL CABLES: XLPE, INDIVIDUALLY SCREENED, FLAME RETARDANT, LOW SMOKE, HALOGEN FREE			
41	CONTROL CABLE 4X2X0.75 SQMM	600	M
FIRE CABLES			
42	FIRE RESISTANT CABLE 2X1.5 SQMM	1800	M
43	FIRE RESISTANT CABLE 2X2.5 SQMM	1400	M
44	FIRE RESISTANT CABLE 2X2X0.75 SQMM	300	M
45	FIRE RESISTANT CABLE 1X2X0.75 SQMM	400	M

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INDICATIVE QUANTUM OF CONSUMABLE SUPPLY

TENDER FOR ELECTRICAL OUTFITTING, CABLE LAYING, TERMINATION & COMMISSIONING OF BATTERY ELECTRIC TUG UY 201-202

SL NO	Description	Qty	UOM
1	CABLE CRIMPING LUG 0.75 SQMM TUBLER TYPE	2500	EA
2	CABLE CRIMPING LUG 1.5 SQMM TUBLER TYPE	5000	EA
3	CABLE CRIMPING LUG 1.5 SQMM FOR M4 BOLT - MATERIAL: - COPPER WITH TIN COATING (INSULATED TYPE)	300	EA
4	CABLE CRIMPING LUG 1.5 SQMM FOR M6 BOLT - MATERIAL: - COPPER WITH TIN COATING (INSULATED TYPE)	300	EA
5	CABLE CRIMPING LUG 2.5 SQMM TUBLER TYPE	3000	EA
6	CABLE CRIMPING LUG 2.5 SQMM FOR M4 BOLT - MATERIAL: - COPPER WITH TIN COATING (INSULATED TYPE)	100	EA
7	CABLE CRIMPING LUG 2.5 SQMM FOR M6 BOLT - MATERIAL: - COPPER WITH TIN COATING (INSULATED TYPE)	100	EA
8	CABLE CRIMPING LUG 2.5 SQMM FOR M8 BOLT - MATERIAL: - COPPER WITH TIN COATING (INSULATED TYPE)	100	EA
9	CABLE CRIMPING LUG 4 SQMM TUBLER TYPE	100	EA
10	CABLE CRIMPING LUG 4 SQMM FOR M6 BOLT - MATERIAL: - COPPER WITH TIN COATING (INSULATED TYPE)	100	EA
11	CABLE CRIMPING LUG 4 SQMM FOR M8 BOLT - MATERIAL: - COPPER WITH TIN COATING (INSULATED TYPE)	100	EA
12	CABLE CRIMPING LUG 6 SQMM PIN TYPE	100	EA
13	CABLE CRIMPING LUG 6 SQMM FOR M6 BOLT - MATERIAL: - COPPER WITH TIN COATING (INSULATED TYPE)	50	EA
14	CABLE CRIMPING LUG 6 SQMM FOR M8 BOLT - MATERIAL: - COPPER WITH TIN COATING (INSULATED TYPE)	50	EA
15	CABLE CRIMPING LUG 6 SQMM FOR M10 BOLT - MATERIAL: -COPPER WITH TIN COATING (INSULATED TYPE)	50	EA
16	CABLE CRIMPING LUG 10 SQMM TUBLER TYPE	50	EA
17	CABLE CRIMPING LUG 10 SQMM FOR M6 BOLT - MATERIAL: - COPPER WITH TIN COATING (INSULATED TYPE)	50	EA





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18	CABLE CRIMPING LUG 10 SQMM FOR M8 BOLT - MATERIAL: - COPPER WITH TIN COATING (INSULATED TYPE)	50	EA
19	CABLE CRIMPING LUG 10 SQMM FOR M10 BOLT - MATERIAL: - COPPER WITH TIN COATING (INSULATED TYPE)	50	EA
20	CABLE CRIMPING LUG 10 SQMM FOR M12 BOLT - MATERIAL: - COPPER WITH TIN COATING (INSULATED TYPE)	50	EA
21	CABLE CRIMPING LUG 16 SQMM PIN TYPE	100	EA
22	CABLE CRIMPING LUG 16 SQMM FOR M8 BOLT - MATERIAL: - COPPER WITH TIN COATING (NON-INSULATED HEAVY-DUTY TYPE)	50	EA
23	CABLE CRIMPING LUG 16 SQMM FOR M10 BOLT - MATERIAL: - COPPER WITH TIN COATING (NON-INSULATED HEAVY-DUTY TYPE)	50	EA
24	CABLE CRIMPING LUG 16 SQMM FOR M12 BOLT - MATERIAL: - COPPER WITH TIN COATING (NON-INSULATED HEAVY-DUTY TYPE)	50	EA
25	CABLE CRIMPING LUG 25 SQMM PIN TYPE	50	EA
26	CABLE CRIMPING LUG 25 SQMM FOR M6 BOLT - MATERIAL: - COPPER WITH TIN COATING (NON-INSULATED HEAVY-DUTY TYPE)	50	EA
27	CABLE CRIMPING LUG 25 SQMM FOR M8 BOLT - MATERIAL: - COPPER WITH TIN COATING (NON-INSULATED HEAVY-DUTY TYPE)	50	EA
28	CABLE CRIMPING LUG 25 SQMM FOR M10 BOLT - MATERIAL: - COPPER WITH TIN COATING (NON-INSULATED HEAVY-DUTY TYPE)	50	EA
29	CABLE CRIMPING LUG 25 SQMM FOR M12 BOLT - MATERIAL: - COPPER WITH TIN COATING (NON-INSULATED HEAVY-DUTY TYPE)	50	EA
30	CABLE DOUBLE CRIMPING LONG BARREL LUG 35 SQMM PIN TYPE	50	EA
31	CABLE DOUBLE CRIMPING LONG BARREL LUG 35 SQMM FOR M6 BOLT - MATERIAL: - COPPER WITH TIN COATING (NON-INSULATED HEAVY-DUTY TYPE)	50	EA
32	CABLE DOUBLE CRIMPING LONG BARREL LUG 35 SQMM FOR M8 BOLT - MATERIAL: - COPPER WITH TIN COATING (NON-INSULATED HEAVY-DUTY TYPE)	50	EA
33	CABLE DOUBLE CRIMPING LONG BARREL LUG 35 SQMM FOR M10 BOLT - MATERIAL: - COPPER WITH TIN COATING (NON-INSULATED HEAVY-DUTY TYPE)	50	EA
34	CABLE DOUBLE CRIMPING LONG BARREL LUG 35 SQMM FOR M12 BOLT - MATERIAL: - COPPER WITH TIN COATING (NON-INSULATED HEAVY-DUTY TYPE)	50	EA
35	CABLE DOUBLE CRIMPING LONG BARREL LUG 50 SQMM FOR M8 BOLT - MATERIAL: -COPPER WITH TIN COATING (NON-INSULATED TUBULAR HEAVY DUTY DOUBLE COMPRESSION LONG BARREL TYPE)	50	EA
36	CABLE DOUBLE CRIMPING LONG BARREL LUG 50 SQMM FOR M10 BOLT - MATERIAL: - COPPER WITH TIN COATING (NON-INSULATED TUBULAR HEAVY DUTY DOUBLE COMPRESSION LONG BARREL TYPE)	50	EA
37	CABLE DOUBLE CRIMPING LONG BARREL LUG 50 SQMM FOR M12 BOLT - MATERIAL: -COPPER WITH TIN COATING (NON-INSULATED TUBULAR HEAVY DUTY DOUBLE COMPRESSION LONG BARREL TYPE)	50	EA





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38	CABLE DOUBLE CRIMPING LONG BARREL LUG 95 SQMM FOR M8 BOLT - MATERIAL: - COPPER WITH TIN COATING (NON-INSULATED TUBULAR HEAVY DUTY DOUBLE COMPRESSION LONG BARREL TYPE)	50	EA
39	CABLE DOUBLE CRIMPING LONG BARREL LUG 95 SQMM FOR M10 BOLT - MATERIAL: -COPPER WITH TIN COATING (NON-INSULATED TUBULAR HEAVY DUTY DOUBLE COMPRESSION LONG BARREL TYPE)	25	EA
40	CABLE DOUBLE CRIMPING LONG BARREL LUG 95 SQMM FOR M12 BOLT - MATERIAL: - COPPER WITH TIN COATING (NON-INSULATED TUBULAR HEAVY DUTY DOUBLE COMPRESSION LONG BARREL TYPE)	25	EA
41	EARTHING CABLE 2.5 SQ MM 1 CORE MULTI STRANDED ANNEALED COPPER CONDUCTOR WITH INSULATION 1.1KV GRADE (COLOUR: YELLOW & GREEN)	100	MTRS
42	EARTHING CABLE 4 SQ MM 1 CORE MULTI STRANDED ANNEALED COPPER CONDUCTOR WITH INSULATION 1.1KV GRADE (COLOUR: YELLOW & GREEN)	50	MTRS
43	EARTHING CABLE 6 SQ MM 1 CORE MULTI STRANDED ANNEALED COPPER CONDUCTOR WITH INSULATION 1.1KV GRADE (COLOUR: YELLOW & GREEN)	50	MTRS
44	EARTHING CABLE 16 SQ MM 1 CORE MULTI STRANDED ANNEALED COPPER CONDUCTOR WITH INSULATION 1.1KV GRADE (COLOUR: YELLOW & GREEN)	20	MTRS
45	EARTHING CABLE 25 SQ MM 1 CORE MULTI STRANDED ANNEALED COPPER CONDUCTOR WITH INSULATION 1.1KV GRADE (COLOUR: YELLOW & GREEN)	20	MTRS
46	NYLON 6.6 CABLE TIE LOCKING TYPE -WHITE COLOUR 100MM LENGTH 0.1-5.0MM WIDTH	20	PACK
47	NYLON 6.6 CABLE TIE LOCKING TYPE -WHITE COLOUR 150MM LENGTH 0.1-5.0MM WIDTH	30	PACK
48	NYLON 6.6 CABLE TIE LOCKING TYPE -BLACK COLOUR 300MM LENGTH 7.1-9.0MM WIDTH	40	PACK
49	NYLON 6.6 CABLE TIE LOCKING TYPE - WHITE COLOUR 350MM LENGTH 0.1-5.0MM WIDTH	5	PACK
50	PVC Cable Tie 300x7.5mm Black	70	PACK
51	PVC Cable Tie 400x7.5mm Black	70	PACK
52	PVC Cable Tie 300x4mm White	120	PACK
53	PVC Cable Tie 400x4mm White	80	PACK
54	PVC Cable Tie 100x4mm White	30	PACK
55	PVC Cable Tie 200x4mm White	60	PACK
56	STAINLESS-STEEL SELF-LOCKING CABLE TIES-SS 316 WITH NYLON/ POLYESTER COATING -BLACK COLOUR 150MM LENGTH 4.6MM WIDTH	5	PACK
57	STAINLESS-STEEL SELF-LOCKING CABLE TIES-SS 316 WITH NYLON/ POLYESTER COATING -BLACK COLOUR 300MM LENGTH 4.6MM WIDTH	50	PACK





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58	STAINLESS STEEL ID TAG 20mmx900mm	350	EA
59	IDENTIFY CABLE CARRIER PVC STRIP 8.5MMx100MM	2000	NOS
60	Ferrule ID PRINTING TUBE 10MM WHITE	150	MTRS
61	Ferrule ID PRINTING TUBE 2.5MM WHITE	350	MTRS
62	Ferrule ID PRINTING TUBE 3MM WHITE	250	MTRS
63	Ferrule ID PRINTING TUBE 4MM WHITE	150	MTRS
64	Ferrule ID PRINTING TUBE 6MM WHITE	250	MTRS
65	GREEN & YELLOW PVC EARTH SLEEV 3MM	120	MTRS
66	GREEN & YELLOW PVC EARTH SLEEV 4MM	120	MTRS
67	GREEN & YELLOW PVC EARTH SLEEV 6MM	120	MTRS
68	GREEN & YELLOW PVC EARTH SLEEV 10MM	100	MTRS
69	5/2.5 MM DIA HALOGEN FREE FLAME RETARDENT WEATHER RESISITANT HEAT SHRINKABLE SLEEVE -BLACK COLOUR	30	MTRS
70	5/2.5 MM DIA HALOGEN FREE FLAME RETARDENT WEATHER RESISITANT HEAT SHRINKABLE SLEEVE - RED COLOUR	30	MTRS
71	5/2.5 MM DIA HALOGEN FREE FLAME RETARDENT WEATHER RESISITANT HEAT SHRINKABLE SLEEVE - BLUE COLOUR	30	MTRS
72	5/2.5 MM DIA HALOGEN FREE FLAME RETARDENT WEATHER RESISITANT HEAT SHRINKABLE SLEEVE - YELLOW WITH GREEN STRIPES	30	MTRS
73	10/5 MM DIA HALOGEN FREE FLAME RETARDENT WEATHER RESISITANT HEAT SHRINKABLE SLEEVE -BLACK COLOUR	60	MTRS
74	10/5 MM DIA HALOGEN FREE FLAME RETARDENT WEATHER RESISITANT HEAT SHRINKABLE SLEEVE - YELLOW WITH GREEN STRIPES	25	MTRS
75	10/5 MM DIA HALOGEN FREE FLAME RETARDENT WEATHER RESISITANT HEAT SHRINKABLE SLEEVE - BLUE COLOUR	25	MTRS
76	10/5 MM DIA HALOGEN FREE FLAME RETARDENT WEATHER RESISITANT HEAT SHRINKABLE SLEEVE - RED COLOUR	25	MTRS
77	15/7.5 MM DIA HALOGEN FREE FLAME RETARDENT WEATHER RESISITANT HEAT SHRINKABLE SLEEVE -BLACK COLOUR	50	MTRS
78	15/7.5 MM DIA HALOGEN FREE FLAME RETARDENT WEATHER RESISITANT HEAT SHRINKABLE SLEEVE - YELLOW WITH GREEN STRIPES	25	MTRS
79	15/7.5 MM DIA HALOGEN FREE FLAME RETARDENT WEATHER RESISITANT HEAT SHRINKABLE SLEEVE - BLUE COLOR	25	MTRS





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80	15/7.5 MM DIA HALOGEN FREE FLAME RETARDENT WEATHER RESISTANT HEAT SHRINKABLE SLEEVE - RED COLOUR	20	MTRS
81	20/10 MM DIA HALOGEN FREE FLAME RETARDENT WEATHER RESISTANT HEAT SHRINKABLE SLEEVE -BLACK COLOUR	50	MTRS
82	20/10 MM DIA HALOGEN FREE FLAME RETARDENT WEATHER RESISTANT HEAT SHRINKABLE SLEEVE - YELLOW WITH GREEN STRIPS	20	MTRS
83	20/10 MM DIA HALOGEN FREE FLAME RETARDENT WEATHER RESISTANT HEAT SHRINKABLE SLEEVE - BLUE COLOUR	20	MTRS
84	20/10 MM DIA HALOGEN FREE FLAME RETARDENT WEATHER RESISTANT HEAT SHRINKABLE SLEEVE - RED COLOUR	20	MTRS
85	25/12 MM DIA HALOGEN FREE FLAME RETARDENT WEATHER RESISTANT HEAT SHRINKABLE SLEEVE -BLACK COLOUR	50	MTRS
86	25/12 MM DIA HALOGEN FREE FLAME RETARDENT WEATHER RESISTANT HEAT SHRINKABLE SLEEVE - YELLOW WITH GREEN STRIPS	20	MTRS
87	25/12 MM DIA HALOGEN FREE FLAME RETARDENT WEATHER RESISTANT HEAT SHRINKABLE SLEEVE - BLUE COLOUR	20	MTRS
88	25/12 MM DIA HALOGEN FREE FLAME RETARDENT WEATHER RESISTANT HEAT SHRINKABLE SLEEVE - RED COLOUR	20	MTRS
89	40 MM DIA HALOGEN FREE FLAME RETARDENT WEATHER RESISTANT HEAT SHRINKABLE SLEEVE - BLACK COLOUR	50	MTRS
90	25/12 MM DIA HALOGEN FREE FLAME RETARDENT WEATHER RESISTANT HEAT SHRINKABLE SELF ADHESIVE SLEEVE -BLACK COLOUR	70	MTRS
91	25/12 MM DIA HALOGEN FREE FLAME RETARDENT WEATHER RESISTANT HEAT SHRINKABLE SELF ADHESIVE SLEEVE -BLACK COLOUR	70	MTRS
92	SHORT LINK 1.5SQRMM AND 2.5 SQRMM	100	NOS. EACH
93	PG11 SS CABLE GLAND	180	EA
94	PG 13.5 SS CABLE GLAND	270	EA
95	PG 16 SS CABLE GLAND	150	EA
96	PG 21 SS CABLE GLAND	150	EA
96	PG 29 SS CABLE GLAND	150	EA
97	PG 36 SS CABLE GLAND	90	EA
98	1/2 INCH NPT THREAD CABLE GLAND	180	EA
99	3/4 INCH NPT THREAD CABLE GLAND	60	EA





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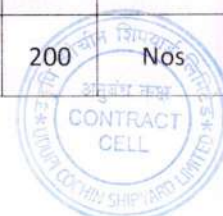
100	CABLE GLAND REDUCER M50X1.5 – PG 21 SS	40	EA
101	CABLE GLAND REDUCER M50X1.5 -PG 19 SS	40	EA
102	CABLE GLAND REDUCER M50X1.5 -PG 19 SS	40	EA
103	ELMAX TERMINAL BLOCK 1.5 SQ MM	280	EA
104	ELMAX TERMINAL BLOCK END 1.5 SQ MM	80	EA
105	ELMAX TERMINAL BLOCK END CLAMP 1.5 SQ MM	50	EA
106	ELMAX TERMINAL BLOCK 2.5 SQ MM	200	EA
107	ELMAX TERMINAL BLOCK END 2.5 SQ MM	50	EA
108	ELMAX TERMINAL BLOCK END CLAMP 2.5 SQ MM	50	EA
109	ELMAX TERMINAL BLOCK 4 SQ MM	200	EA
110	ELMAX TERMINAL BLOCK END 4 SQ MM	25	EA
111	ELMAX TERMINAL BLOCK END CLAMP 4 SQ MM	25	EA
112	ELMAX TERMINAL BLOCK 6 SQ MM	100	EA
113	ELMAX TERMINAL BLOCK END 6 SQ MM	25	EA
114	ELMAX TERMINAL BLOCK END CLAMP 6 SQ MM	25	EA
115	HYLEX SELF DRILLING SCREW 1"LENGHT (DIA-M3-9-MM)	360	EA
116	HYLEX SELF DRILLING SCREW 3/4"LENGHT (DIA-M3-9-MM).	360	EA
117	HYLEX SELF DRILLING SCREW 1/2"LENGHT (DIA-M3-9-MM).	360	EA
118	HYLEX SELF DRILLING SCREW 1/4"LENGHT (DIA-M3-9-MM).	380	EA
119	M12X50-HEXAGONAL HEADED BOLT WITH NUT- GRADE: SS316L	350	EA
120	M10X55-HEXAGONAL HEADED BOLT WITH NUT- GRADE: SS316L	260	EA





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121	M8X50-HEXAGONAL HEADED BOLT WITH NUT- GRADE: SS316L	750	EA
122	M6X30-HEXAGONAL HEADED BOLT WITH NUT- GRADE: SS316L	580	EA
123	M8X20-HEXAGONAL HEADED HIGH TENSILE BOLT (BLACK COLOR)- GRADE: SS316L	250	EA
124	M12- PLATE WASHER- GRADE: SS316L	600	EA
125	M10- PLATE WASHER- GRADE: SS316L	250	EA
126	M8- PLATE WASHER - GRADE: SS316L	1490	EA
127	M6- PLATE WASHER - GRADE: SS316L	680	EA
128	M12 - SPRING WASHER- GRADE: SS316L	300	EA
129	M10 - SPRING WASHER- GRADE: SS316L	200	EA
130	M8- SPRING WASHER- GRADE SS316L	780	EA
131	M8- SPRING WASHER HIGH TENSILE (BLACK COLOR)- GRADE SS316L	200	EA
132	M6- SPRING WASHER- GRADE SS316L	700	EA
133	Bolt with nut M10X40 (GI)	250	Nos
134	Plate washer M10(GI)	300	Nos
135	Spring washer M10 (GI)	150	Nos
136	Bolt with nut M12X40 (GI)	250	SET
137	Plate washer M12 (GI)	380	Nos
138	Spring washer M12 (GI)	150	Nos
139	Bolt with nut M5X40 (GI)	380	Nos
140	Plate washer M5 (GI)	480	Nos
141	Spring washer M5 (GI)	200	Nos





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142	BOLT FULL THREAD GI M8X30	1800	Nos
143	GI NUT M8	1800	Nos
144	GI PLATE WASHER M8 (SHORT OUTER DIA)	4000	Nos
145	GI SERRATED WASHER M8	1800	Nos
146	cable gland reducer M25x1.5 to PG 13.5mm	40	EA
147	Dummy Cable gland PG M25x1.5	40	EA
148	Cable gland PG M20x1.5	75	EA
149	Dummy cable gland PG M20x1.5	30	EA
150	Cable gland reducer M40x1.5 to PG 16mm	45	EA
151	Dummy cable gland PG M40x1.5	30	EA
152	SS316 PVC coated band 16mm width 20m/roll	40	Nos
153	buckle for 16mm SS strap	950	Nos
154	PVC cale tie black 300mmx7.5mm	30	PACK
155	SS Dummy cable gland PG 11	25	EA
156	SS Dummy cable gland PG 13.5	25	EA
157	SS Dummy cable gland PG 16	25	EA
158	SS Dummy cable gland PG 21	10	EA
159	SS Dummy cable gland PG 29	10	EA
160	SS Dummy cable gland PG 36	10	EA
161	INSULATED TWIN CORD-END TERMINAL LUG, TINNED COPPER,2X0.75SQMM	500	EA
162	INSULATED TWIN CORD-END TERMINAL LUG, TINNED COPPER,2X1SQMM	500	EA
163	INSULATED TWIN CORD-END TERMINAL LUG, TINNED COPPER,2X1.5SQMM	500	EA
164	INSULATED TWIN CORD-END TERMINAL LUG, TINNED COPPER,2X2.5SQMM	500	EA
165	CABLE CRIMPING LUG 0.75 SQMM TUBLER TYPE	1000	EA
166	CABLE CRIMPING LUG 1.5 SQMM TUBLER TYPE	2000	EA
167	GREEN & YELLOW PVC EARTH SLEEV 4MM	300	MTRS



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168	GREEN & YELLOW PVC EARTH SLEEV 6MM	300	MTRS
169	M20 PVC GLAND	80	EA
170	M25 PVC GLAND	80	EA
171	M16 PVC GLAND	150	EA
172	PVC INSULATED TAPE (R,Y,B,G,BL)EACH	60	EA

Notes

1.All quantities mentioned are indicative only and are provided solely for the purpose of a rough estimate. For accurate and detailed work quantities, subcontractors are requested to visit Udupi Cochin Shipyard, Malpe, and assess the scope directly at the ongoing project site.



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)





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TENDER FOR ELECTRICAL OUTFITTING, CABLE LAYING, TERMINATION & COMMISSIONING OF BATTERY ELECTRIC TUG UY 201-202

PRICE BID

SL NO	WORK DESCRIPTION	QTY	UOM	TOTAL(INR)
1	Electrical equipment installation, Cable laying, Cable gland termination & Commissioning of electrical systems as per the scope of work.	1	Shipset	
2	IGST/GST..... %			
3	GRAND TOTAL AMOUNT (INR)			
AMOUNT IN WORDS:				

Signature:

Address of the contractor:

Seal:





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ANNEXURE-VI

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

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

SL No.	Tender Enquiry Requirements	Confirmation from bidder (Strike off whichever is not applicable)	Specific comments /Remarks
1	Terms & Condition, Scope of work & Indicative Quantum of Work. (Annexure-I, II & III)	Agreed as per tender /Do not agree	
2	Schedule	Agreed as per tender/Do not agree	
3	Mobilization period as per clause no 5.5	Agreed as per tender/Do not agree	
4	Unconditional Acceptance	Agreed as per tender/Do not agree	
5	Offer Validity	06 Months - Agreed as per tender/Do not agree	
6	Taxes & Duties	Specified/included in Price	
7	Payment terms - confirm		
a	As per Clause 10 of Annexure - I	Agreed as per tender/Do not agree	
8	Price shall remain firm and fixed and No Escalation in prices after awarding of contract	Agreed as per tender/Do not agree	
9	Security Deposit	Agreed as per tender/Do not agree	
10	Performance Guarantee	Agreed as per tender/Do not agree	
11	Force Majeure	Agreed as per tender/Do not agree	
12	Liquidated damages and cancellation of contract	Agreed as per tender/Do not agree	
13	Arbitration & Jurisdiction clauses	Agreed as per tender/Do not agree	
14	Confirm all other terms and conditions of our enquiry are acceptable.	Confirmed/Not confirmed	
15	Deviations from Tender conditions	No Deviations	

Signature:

Address of the Contractor:

Seal:



UNCONDITIONAL ACCEPTANCE LETTER

(Unconditional acceptance to be given by in letter head)

ACCEPTANCE OF TENDER CONDITIONS

1. Tender Document no. UCSL/CC/SB/T/201-202/310/2026 dated 23rd October 2026 Tender for Electrical Work of Battery Electrical 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:





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STATUTORY COMPLIANCE REQUIREMENTS FOR CONTRACTOR

The Contractor shall strictly comply with all applicable provisions of the prevailing Labour Laws, including the **Code on Wages, 2019 (Act No. 29 of 2019)**, **Industrial Relations Code, 2020 (Act No. 35 of 2020)**, **Code on Social Security, 2020 (Act No. 36 of 2020)**, **Occupational Safety, Health and Working Conditions Code, 2020 (Act No. 37 of 2020)**, and all applicable Central/State Rules, regulations, notifications, amendments and statutory requirements. The Contractor shall ensure compliance with the following requirements throughout the contract period:

A. CONTRACTOR COMPLIANCE

1. Employment of Indian Nationals – UCSL Contractual Requirement

Only Indian nationals holding valid citizenship and prescribed identity/address documents shall be engaged for work inside UCSL premises. The Contractor shall verify and maintain appropriate documentary proof before deployment of any person. This requirement is a UCSL contractual/site-access condition and is not a specific requirement prescribed under any particular Labour Code section.

2. Contract Labour Licence – OSH&WC Code, 2020

The Contractor shall obtain and maintain a valid licence for engaging/supplying contract labour wherever the provisions of the Code are applicable. No contractor to whom Part I of Chapter XI applies shall supply or engage contract labour or undertake/execute work through contract labour except under and in accordance with a valid licence. Statutory Reference: Occupational Safety, Health and Working Conditions Code, 2020 – Sections 45, 47, 48, 50 and 51. Code No.: 37 of 2020.

3. EPF Compliance

The Contractor shall ensure the enrolment of all eligible employees/workmen under the Employees' Provident Fund (EPF) scheme and shall timely deposit the applicable employer and employee contributions in accordance with the applicable provisions of law. The Contractor shall maintain all required EPF records, including UAN and contribution details, and shall produce documentary evidence of compliance whenever required by UCSL or the competent statutory authority.

Statutory Reference: Code on Social Security, 2020 – Sections 15 to 21, read with the First Schedule, Chapter III, and applicable Rules, notifications and amendments. Code No. 36 of 2020.

4. ESI Compliance

The Contractor shall ensure coverage of all eligible employees/workmen under the Employees' State Insurance (ESI) scheme and shall timely deposit the applicable employer and employee contributions in accordance with the applicable provisions of law. The Contractor shall maintain valid ESI/e-Pehchan details and all other prescribed records and shall produce documentary evidence of compliance whenever required by UCSL or the competent statutory authority.

Statutory Reference: Code on Social Security, 2020 – Sections 28 to 44, read with the First Schedule, Chapter IV, and applicable Rules, notifications and amendments. Code No. 36 of 2020.

5. Labour Returns and Statutory Reports

The Contractor shall submit all labour/statutory returns and reports required by UCSL or the competent statutory authorities within the prescribed time limits. UCSL-specific monthly Statutory labour reports shall be submitted to the concerned Contracting Officer by the 15th of every month, or within such other period as may be specified by UCSL. Statutory Reference: Occupational Safety, Health and Working Conditions Code, 2020 – Section 33; Code on Wages, 2019 – Section 50; and applicable Rules.

6. Maintenance of Statutory Records

The Contractor shall maintain all prescribed registers and records, including employee particulars, muster roll/attendance, wages, overtime, deductions, leave, statutory contributions and other records, and shall produce the same for inspection by UCSL or the competent statutory authority whenever required.

Statutory Reference: Code on Wages, 2019 – Section 50; Occupational Safety, Health and Working Conditions Code, 2020 – Section 33; Code on Social Security, 2020 – applicable record/return provisions and Rules.

7. Timely Payment of Wages

The Contractor shall ensure that wages are paid within the statutory time limit. For employees engaged on a monthly wage period, wages shall be paid before the expiry of the seventh day of the succeeding month. In cases of removal, dismissal, retrenchment or resignation, wages payable shall be paid within two working days, subject to the applicable statutory provisions. Statutory Reference: Code on Wages, 2019 – Section 17(1)(d) and Section 17(2).

8. Minimum Wages and VDA Compliance



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The Contractor shall pay wages not less than the applicable minimum rate of wages and shall promptly implement all revisions in minimum wages and Variable Dearness Allowance (VDA), wherever applicable.

Statutory Reference: Code on Wages, 2019 – Sections 5, 6, 7, 8, 9, 10 and 11, read with applicable notifications/rules issued by the appropriate Government.

9. Overtime Payment

Where overtime is applicable, the Contractor shall pay overtime wages at a rate not less than twice the normal rate of wages. Statutory Reference: Code on Wages, 2019 – Section 14.

Where applicable, workers working beyond the prescribed hours shall be paid overtime at twice the rate of wages, subject to the conditions prescribed under the Code and Rules.

Statutory Reference: Occupational Safety, Health and Working Conditions Code, 2020 – Section 27.

10. Wage Slips

The Contractor shall issue wage slips to all employees in the prescribed form and manner and shall maintain documentary evidence of wage payment. Statutory Reference: Code on Wages, 2019 – Section 50(3) and applicable Code on Wages Rules, 2026.

11. Attendance, Wage and Overtime Records

The Contractor shall maintain accurate attendance records, including actual entry and exit/working hours wherever required for verification of wages and overtime, together with wage, overtime and deduction records.

Statutory Reference: Code on Wages, 2019 – Section 50 and applicable Rules; Occupational Safety, Health and Working Conditions Code, 2020 – Section 33.

12. Wage Payment Verification

The Contractor shall make wage payments through bank transfer/digital mode wherever applicable and shall produce bank statements, wage registers, wage slips and other documentary evidence whenever required by UCSL.

Statutory Reference: Code on Wages, 2019 – Sections 15, 17 and 50, read with applicable Rules.

13. Limit on Wage Deductions

The Contractor shall make only those deductions permitted under law, and the total deductions in any wage period shall not ordinarily exceed 50% of wages, subject to the provisions of the Code. Statutory Reference: Code on Wages, 2019 – Section 18(1), 18(2) and 18(3).

14. Payment of Annual Bonus

The Contractor shall pay statutory bonus to eligible employees in accordance with the applicable provisions, including the requirement relating to employees who have worked for at least 30 days in an accounting year, subject to the wage eligibility limits and other conditions prescribed under the Code and Rules.

Statutory Reference: Code on Wages, 2019 – Sections 26 to 41, particularly Sections 26 and 27, read with applicable Rules. Note: The actual bonus calculation and eligibility should be applied as prescribed under the Code/Rules and applicable notifications.

15. Maternity Benefits

Eligible women employees shall be provided maternity benefits and other related benefits in accordance with the Code. A woman shall generally be eligible for maternity benefit where she has actually worked for not less than 80 days during the 12 months immediately preceding the expected date of delivery, subject to the applicable statutory conditions. Statutory Reference: Code on Social Security, 2020 – Sections 60 to 72, particularly Sections 60, 62, 64, 65 and 66.

16. Gratuity

The Contractor shall pay gratuity to eligible employees within the prescribed statutory period. Gratuity shall also be applicable, subject to the statutory conditions, in cases of fixed-term employment and death/disablement where the requirement of five years' continuous service is not applicable. Statutory Reference: Code on Social Security, 2020 – Sections 53 to 58, particularly Sections 53 and 56. Gratuity is required to be paid within 30 days from the date it becomes payable.

17. Gratuity Nomination

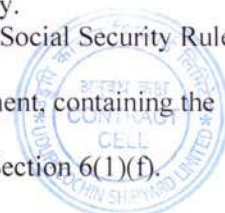
The Contractor shall ensure that eligible employees submit the prescribed gratuity nomination and that all nomination, fresh nomination and modification records are properly maintained and kept in safe custody.

Statutory Reference: Code on Social Security, 2020 – Section 55, read with the applicable Social Security Rules.

18. Appointment Letters

The Contractor shall issue an appointment letter to every employee at the time of appointment, containing the prescribed particulars and terms and conditions of employment.

Statutory Reference: Occupational Safety, Health and Working Conditions Code, 2020 – Section 6(1)(f).





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19. Annual Health Check-up

The Contractor shall provide the prescribed annual health examination/test free of cost to workers/employees falling within the prescribed categories. Statutory Reference: Occupational Safety, Health and Working Conditions Code, 2020 – Section 6(1)(c) and applicable Rules.

20. Weekly Rest

The Contractor shall ensure that workers are provided the prescribed weekly holiday/rest and compensatory holiday wherever applicable.

Statutory Reference: Occupational Safety, Health and Working Conditions Code, 2020 – Sections 25 and 26.

21. Inter-State Migrant Workers – Journey Allowance

In respect of eligible inter-State migrant workers, the Contractor shall provide the prescribed statutory benefits, including a lump-sum amount towards the to-and-fro journey between the place of employment and the native place once in a year, in accordance with applicable provisions.

Statutory Reference: Occupational Safety, Health and Working Conditions Code, 2020 – Sections 59, 60 and 61.

22. Discipline and Conduct

The Contractor shall ensure proper conduct and discipline of its workmen within UCSL premises and shall comply with applicable service conditions, grievance procedures and disciplinary requirements. Any misconduct or violation of UCSL rules shall be dealt with appropriately by the Contractor.

Statutory Reference: Industrial Relations Code, 2020 – Sections 29 to 31, as applicable, together with applicable standing orders/rules.

B. IDENTITY, SECURITY AND DOCUMENTATION

23. Identity and Police Verification – UCSL Requirement

Before issuance of entry passes, all personnel shall submit the documents prescribed by UCSL, including valid identity/address proof and, wherever required by UCSL, a police clearance certificate. The Contractor shall maintain copies of such documents and produce them for verification whenever required.

26. Entry Pass and Deployment Control

No person shall be deployed inside UCSL premises unless the required statutory, identity, security and contractual documents have been verified and accepted by UCSL.

24. Pre-Employment Medical Examination: The Contractor shall ensure that all personnel undergo a pre-employment medical examination and obtain a valid medical fitness certificate before deployment at UCSL premises. Statutory Reference: OSH&WC Code, 2020 – Section 6(1)(c), read with applicable Rules.

25. Medical Insurance Where ESI Is Not Applicable: Where ESI coverage is not applicable, the Contractor shall, at its own cost, provide valid medical/health insurance coverage to the concerned personnel throughout their deployment at UCSL and submit proof of coverage when required. **Statutory Reference:** Code on Social Security, 2020 – Sections 28–44, read with applicable Rules.

26. Prohibition of Child Labour: The Contractor shall not employ, engage, or permit any person below the age of 18 years to work under this Contract, and shall strictly comply with all applicable laws relating to the prohibition of child labour.

C. RECOVERY, AUDIT AND OVERALL RESPONSIBILITY

27. Statutory Dues and Recovery by UCSL

If the Contractor fails to pay any statutory contribution, wage, penalty, damages, compensation or other amount payable under applicable labour laws, UCSL shall be entitled, subject to the contract and applicable law, to recover, deduct or adjust such amount from any amount payable to the Contractor, including bills, retention/security amounts or other dues, and may remit the same to the concerned authority wherever legally permissible.

28. Submission of Documentary Evidence

The Contractor shall submit documentary evidence of statutory compliance whenever requested by UCSL, including EPF/ESI challans, ECRs, wage registers, wage slips, bank payment statements, attendance/muster rolls, bonus records, gratuity records, appointment letters, licence copies, health-check records and statutory returns.

29. Continuous Compliance

The Contractor shall familiarize itself with all applicable Labour Laws, Labour Codes, Central/State Rules, notifications, circulars and amendments and shall ensure continuous compliance throughout the contract period. Any amendment, notification or revised statutory requirement issued by the competent authority shall be complied with by the Contractor from the applicable effective date.



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30. Consequence of non-compliance

non-compliance with the above statutory requirements shall constitute a breach of the Contractor's contractual obligations and may result in withholding/recovery of payments, suspension of deployment/entry passes, recovery of statutory dues, or other appropriate contractual action by UCSL, without prejudice to action that may be taken by the competent statutory authorities under applicable law.

Note: The above section references are based on the Labour Codes and the currently applicable statutory framework. The Contractor shall comply with the **applicable Central/State Rules, notifications and amendments in force from time to time**, and where a provision is subject to prescribed conditions, thresholds or exemptions, the same shall be applied accordingly. The official Ministry of Labour & Employment portal currently lists the 2026 Central Rules for all four Labour Codes.

