



# UDUPI COCHIN SHIPYARD LIMITED

(Formerly TEBMA Shipyards Limited)  
Malpe Harbour Complex, Malpe,  
Udupi, Karnataka - 576 108, India.  
Tel - 0820 2538604.

## **TENDER FOR ELECTRICAL HOT WORK OF 3800 DWT GENERAL CARGO VESSEL**

Tender No. & date	UCSL/CC/T/W/040 DT:05 <sup>TH</sup> NOVEMBER 2024
Name of work	<b>ELECTRICAL HOT WORK OF 3800 DWT GENERAL CARGO VESSEL</b>
Last date & time of receipt of tender	08 <sup>TH</sup> November 2024 (Friday), 15:00 Hrs.
Date & time of opening of Bid	08 <sup>TH</sup> November 2024 (Friday), 15:00 Hrs.

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

1.1. This tender enquiry pertains to the awarding of contract for electrical hot work of 02 numbers of 3800 DWT General Cargo Vessel UY167 & UY168 to be built at **Udupi Cochin Shipyard Limited (UCSL)**, Hangarkatta/Malpe, Karnataka.

1.2. Electrical hot work includes fabrication, positioning, welding and erection, including all hot work and dry survey necessary to satisfactorily complete the work in accordance with UCSL, Classification Society and Owner's requirements

1.3. The work includes outfitting work (fabrication, positioning and welding of outfitting items), the major work section is specified as follows

- Fabrication
- Welding and fitting on place
- Cutting and bending of required item
- Dry Survey by the yard, class and owner
- Rectification of defects till delivery of vessel.

1.4. Infrastructure and Consumables: The contractor shall complete the work with the available infrastructure facilities and materials provided by Udupi Cochin Shipyard Ltd (UCSL) in accordance with the enclosed specifications and drawings, delivery schedule and UCSL - General Terms and conditions in all respects

#### 1.5. Consumables

- Gases (DA, Oxygen, CO2) will be provided free of cost by UCSL
- Welding consumables: All welding consumables shall be provided by UCSL on chargeable basis. For bidding of the project, the following rates may be considered which shall be charged to the contractor.

<b>Welding Electrodes</b>	<b>Rate</b>
Flux Cored GMA (CO2) welding wire 1.2mm	Rs 225 Per kg
Welding electrode: E 6013: 2.5 mm	Rs 254 Per kg
Welding electrode: E 6013: 3.15 mm	Rs 184 Per kg
Welding electrode: E 6013: 4 mm	Rs 154 Per kg
Welding electrode: E 7018: 3.15 mm	Rs 148 Per kg
Welding electrode: E 7018: 4 mm	Rs 175 Per kg

1.6. The work is to be carried out at the skid area allotted to the contractor (s) inside UCSL premises

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





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1.8. The Contractors are advised to familiarize themselves with the site conditions before quoting.

**2. SCOPE OF WORK**

- 2.1. Electrical Outfit fabrication, positioning, welding and erection, including all hot work and dry survey necessary to satisfactorily complete the work in accordance with UCSL, Classification Society and Owner's requirements.
- 2.2. The Contractor shall execute the work as per the specifications / drawings issued and to the satisfaction of UCSL.
- 2.3. Outfitting items which need to fabricate and installed have been listed in Indicative Quantum of work.
- 2.4. Any machining requirement as per the drawing has to be undertaken by the firm at own cost. However, the required material will be provided by UCSL
- 2.5. Contractor shall maintain quality as per UCSL quality standards and yard quality procedures. UCSL will conduct inspection during fabrication.
- 2.6. Any revisions/ modifications / additions etc. required shall also be carried out by the supplier as per UCSL issued drawings. Material for such revisions/ modifications/ additions shall be arranged by UCSL.
- 2.7. All production aid material, like strong backs, clamps, wedges, etc., incidental to the production jobs has to be prepared by the firm with material supplied by UCSL
- 2.8. The fitment of lifting lugs is to be done as per the lifting plan drawing issued by UCSL, and the required cut plate as per the lifting plan drawing will be supplied by UCSL. The lifting of the block is to be done as per UCSL procedure and verified by UCSL QC.
- 2.9. All additional stiffening materials like angles, flat bars, T-sections, etc., if required in connection with outfitting fabrication, are also to be prepared and to be fitted by the firm in connection with block fabrication. Necessary material will be provided by UCSL
- 2.10. Any other miscellaneous items (outfit and Electrical) as per drawing not included in the scope and is required for the completion of outfitting work shall be under the scope of supplier.
- 2.11. Any rectification works which arise due to inspection checks by UCSL QC or during class survey are also part of the scope of work of the supplier and are to be under taken by the supplier.
- 2.12. Consumables required for fabrication and erection such as grinding wheel, cutting wheel, cutting nozzle, etc. is in the contractor's scope
- 2.13. Welding machines for the process involved for fabrication and erection works at site, such as (SMAW, FCAW, SAW & TIG) shall be arranged by the contractor.
- 2.14. The contractor must also have sufficient no of mother ovens and portable oven for baking electrodes as per requirements.
- 2.15. Mobilization of all required labor (Skilled/Semi-Skilled/Unskilled) for Electrical construction & erection works as per specifications and drawings provided by UCSL. UCSL will provide Quality Assurance Plan (QAP) and applicable Welding Procedure Specification (WPS)
- 2.16. The transportation of the fabricated item from Fabrication location to Erection site will be to yard's scope. The contractor shall give necessary assistance for handling /

