

UDUPI COCHIN SHIPYARD LIMITED

(Formerly Tebma Shipyards Limited)



Date: 22.01.2025

TENDER ENQUIRY

Dear Sirs,

This tender enquiry is for Sacrificial Aluminium Anode which is required for 4 no's of 6300DWT vessel being constructed at Udupi Cochin Shipyard Limited (UCSL), Malpe, (A Govt. of India Enterprises).

Sealed Tenders in duplicate, super scribing the Enquiry Number & Last date for receipt of Quotations on the envelope, are invited TWO BID SYSTEM two separate covers as 'Part- I Techno-commercial' and 'Part- II Price' - both enclosed in the single envelope, for the supply of following materials so as to reach the undersigned on or before the last date and time shown. Tenders should be addressed to Assistant General Manager (Materials), Udupi Cochin Shipyard Limited, Malpe Harbor Complex, Malpe. Udupi-576108, Karnataka, India.

Submission by Email: Offers (both Part- I Techno-commercial' and 'Part- II Price) in two separate password protected PDF file format, can also be made by E-mail (sony.clement@udupicsl.com, purchase@udupicsl.com/sunilsnair@udupicsl.com/muhammad.anas@udupicsl.com/midhunthomas@udupicsl.com) on or before, the last date & time of receipt of tender as shown below, if delivery of sealed offers cannot be ensured at UCSL on the due date. The offer PDF files (Part- I Techno-commercial' and 'Part- II Price) to be named clearly (UCSL/MAT/PROJ/2024-25/1395- Techno-commercial and UCSL/MAT/PROJ/2024-25/1395 - Price bid)

Enquiry No.	Enquiry Date	Last Dt. & Time for Receipt of Tender	Tender Opening Date & Time
UCSL/MAT/PROJ/2024-25/1395	22.01.2025	07.02.2025, 15:30:00	07.02.2025, 15:30:00

उदुपी कोचीन शिपयार्ड लिमिटेड
पन्नन, पोत परिवहन और जलमार्ग मंत्रालय
भारत सरकार

UDUPI COCHIN SHIPYARD LIMITED
Ministry of Ports, Shipping & Waterways
Government of India

पंजीकृत कार्यालय:
एस. नं. 377, पशामतूर गाँव
पुकाथुरई पोस्ट, मदुरान्तक तालुका
कांचीपुरम - 603 116, तमिल नाडु, भारत ।

कॉर्पोरेट कार्यालय:
माल्पे हार्बर कॉम्प्लेक्स, माल्पे
उदुपी - 576 108, कर्नाटक, भारत ।

CIN: U27209TN1984GOI010994

Registered Office:
S.No.377, Pazhamathur Village
Pukathurai Post, Madurantakam Taluk
Kancheepuram - 603 116, Tamil Nadu, India

Corporate Office:
Malpe Harbour Complex, Malpe
Udupi - 576 108, Karnataka, India

GSTIN: 29AAACT1281B1ZO

Phone:
+91 820 2538600
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+91 820 2538605

www.tebma.co.in

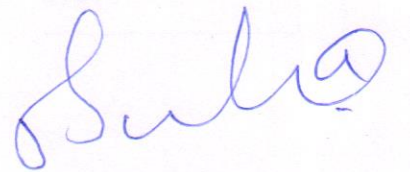
Sl No	Intend No:	Material Code	Material/ Service Description	UOM	Qty	Yard No	Required Date at UC SL
1	1710002174		Sacrificial Aluminum Anode As per PTS-175-031	Shipset	4	UCSL Y175 - Y178	Uy-175 & 176 Within 5 Months from the date of PO Uy-177 & 178 Within 9 Months from the date of PO

In case of commercial queries please contact			
Name	Designation	Mobile no.	E-mail
Mr. Sunil S Nair	Manager (Material)	9884917724	sunilsnair@udupicsl.com
Mr. Muhammad Anas	Manager (Material)	8129443366	muhammad.anas@udupicsl.com
Mr. Midhun Thomas	Assistant Manager (Materials)	9995777763	midhunthomas@udupicsl.com
In case of technical queries please contact			
Name	Designation	Mobile no.	E-mail
Mr. Dinakaran		+919994230860	dinakaran.m@udupicsl.com design@udupicsl.com

Enclosures:

1. Purchase Technical Specification (PTS-175-031) - Annexure 1
2. Special Instructions for 2 Bid System - Annexure 2
3. General Terms and Conditions of procurement - Annexure 3
4. Price bid format - Annexure 4
5. Bank Guarantee/Security Deposit Format - Annexure 5

For Udupi Cochin Shipyard Ltd,



Authorized Signatory

सोणि क्लेमेन्ट टी एम
SONY CLEMENT T M
सहायक महाप्रबंधक/ASSISTANT GENERAL MANAGER
उडुपि कोचीन शिपयार्ड लिमिटेड
UDUPI COCHIN SHIPYARD LIMITED
माल्पे, कर्नाटक/MALPE, KARNATAKA-576 108

Rev.	Pages	Description	Date	Sign.
0	01	First Issue	09-01-2025	Chaturanan

6300 TDW DRY CARGO VESSEL



UDUPI COCHIN SHIPYARD LTD
(A Cochin Shipyard Company)

YARD NO	UY175 - UY182	6300 TDW DRY CARGO VESSEL		
OWNER	WILSON ASA, NORWAY	PURCHASE TECHNICAL SPECIFICATION OF SACRIFICIAL ALUMINIUM ANODE		
APPROVED	RAM MOHAN BALIGA <i>[Signature]</i>			
CHECKED	DINAKARAN M <i>[Signature]</i>			
PREPARED	CHATURANAN <i>[Signature]</i>			
DATE	09-01-2025	Doc. No.: PTS-175-031	Rev. No: 0	
ISSUED TO	NO. DEP.			
	NO.			

This document/specification is the property of Udupi Cochin Shipyard Limited, and it must not be copied or the contents thereof or any information received in conjunction therewith must not be imparted /shared to any third party or utilized for any other purpose. The receipt of the document/specification implies that the conditions as mentioned herein are accepted.



UDUPI COCHIN SHIPYARD LTD
(A COCHIN SHIPYARD COMPANY)
MALPE – 576108 INDIA

6300 T DRY CARGO VESSEL

SACRIFICIAL
ALUMINIUM ANODE

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TECHNICAL SPECIFICATION FOR SACRIFICIAL ALUMINIUM ANODE

1. SCOPE OF SUPPLY

The scope of supply covers manufacturing, inspection, testing, packing and supply of high-quality welded type **SACRIFICIAL ALUMINIUM ANODES** with all related items as per the enclosed specification for the **6300T DRY CARGO VESSEL** being built at **Udupi Cochin Shipyard Ltd.** Supplier also to provide design recommendation with detailed calculation and drawings for welded type Aluminium anodes, and appropriate certifications, if any, should be provided. The quantity shall be as specified below:

2. QUANTITY AND UNDERWATER AREA

The area considered and indicated below is for one vessel. The total scope of supply will be for Eight (08) vessels.

Design life for hull protection anodes system shall be Five years (05 years).

Anode for the Following areas shall be supplied:

Sea chests (Ps + Sb)	-	~140	m ²
Bow thruster Channel	-	~22	m ²
Nozzle	-	~23	m ²
Rudder including Flap	-	~34	m ²

3. Classification/ Rules and Regulations:

The vessel, including its hull, machinery, equipment and outfits is constructed and registered in accordance with the rules and regulations of the following Classification Society and Flag

Classification	: DNV
Class Notation	: ✘ 1A Multipurpose dry cargo ship Strengthened (IB 15 t/m2) DG(B), DG(P), DBC E0, LCS ER(SCR, TIER III), SBC(1) BWM(T) BIS TMON



4. TECHNICAL SPECIFICATION:

- 4.1 Item : **High Quality Aluminium Anode Welded type**
Location : Sea chest, Bow thruster channel, Nozzle, Rudder

Sl.No	Approx. Area (m2)		Approx. current density required (mAmp/ m2)	Life (years)	Calculated weight/vessel (Kg) Approx.
1	Sea chest	140	35	5	107.31
2	Bow thruster channel	22	35	5	16.54
3	Nozzle	23	35	5	17.09
4	Rudder including flap	34	35	5	25.75

*The size, quantity and calculated weight of anodes may be changed in accordance with manufacturer's recommendation which has to be clearly mentioned in the offer.

5. CONDITION OF SUPPLY:

- 5.1 The items shall be manufactured with the best quality material and workmanship. All anodes shall be welded to double plates, compact type.
- 5.2 Type/piece mark of anodes shall be clearly marked on them for easy identification with paint on legs.
- 5.3 Item shall be supplied /manufactured based on specification issued by UCSL along with enquiry specification. Any deviation from the same shall be indicated in the offer (Refer Annexure 3, Deviation list).
- 5.4 Original plus 3 copies of material test certificates shall be furnished at the time of supply of the item.
- 5.5 OEM Shall prepare Sacrificial Aluminium Anode arrangement drawing on referring the general arrangement enclosed as Annexure – 1 (Auto-Cad format attached)
- 5.6 Compulsory technical details (enclosed as Annexure – 2) shall be duly filled and submitted along with the offer.
- 5.7 All documents and markings shall be in ENGLISH and in metric system.
- 5.8 No heat treatment is allowed for galvanic anodes of Aluminum type.
- 5.9 Any clarification required regarding technical specifications shall be sought before submission of order. No deviation will be granted after the placement of order.

6. SUPPLY OF DOCUMENTS:

All documents shall be in English and in Metric system and the following documents shall be submitted, where applicable. The drawing approval wherever required by the Classification Society shall be carried out on the manufacturer's responsibility.

- a) Documents with quotation (3 sets)
 - i. Detailed calculation of Anode quantity for the complete vessel.



UDUPI COCHIN SHIPYARD LTD
(A COCHIN SHIPYARD COMPANY)
MALPE – 576108 INDIA

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- ii. Preliminary documents/drawings with detailed description, size, weight, for each anode.
 - iii. List of items quoted.
 - iv. List of items if any, not covered in your scope of supply.
 - v. Mounting drawing.
 - vi. Copy of Type approval certificate/Third party inspection certificate from DNV or equivalent class for items, shall be furnished along with the offer
 - vii. Detailed drawings indicating the dimensions, weight, and material composition of each type of anode, along with calculations, shall be provided along with the offer.
 - viii. Preliminary arrangements of anodes shall be submitted along with the offer.
 - ix. Manufacturer's Test Certificate and Inspection Certificate.
 - x. Any queries or clarifications shall be addressed with the yard before the submission of the offer.
- b) Documents within fifteen days after placement of Order (5 sets)
- i. Detailed Bill of Material.
 - ii. Details of shop tests and inspection for all items.
 - iii. Material specification with current capacity of anodes.
 - iv. Manufacture's certificate of Inspection and test records.
 - v. Instruction manuals indicating size, weight & material composition of anodes etc. shall be furnished along with offer.
 - vi. Report of analysis and composition.
- c) Documents/Certificates to be supplied with each equipment (5 sets unless otherwise mentioned)
- i. Type approval certificate / Third party inspection certificate from DNV or equivalent class shall be provided along with supply of items.
 - ii. Test and inspection results.
 - iii. Detailed Packing list.
 - iv. Any other certificate required as per International Regulations in force.

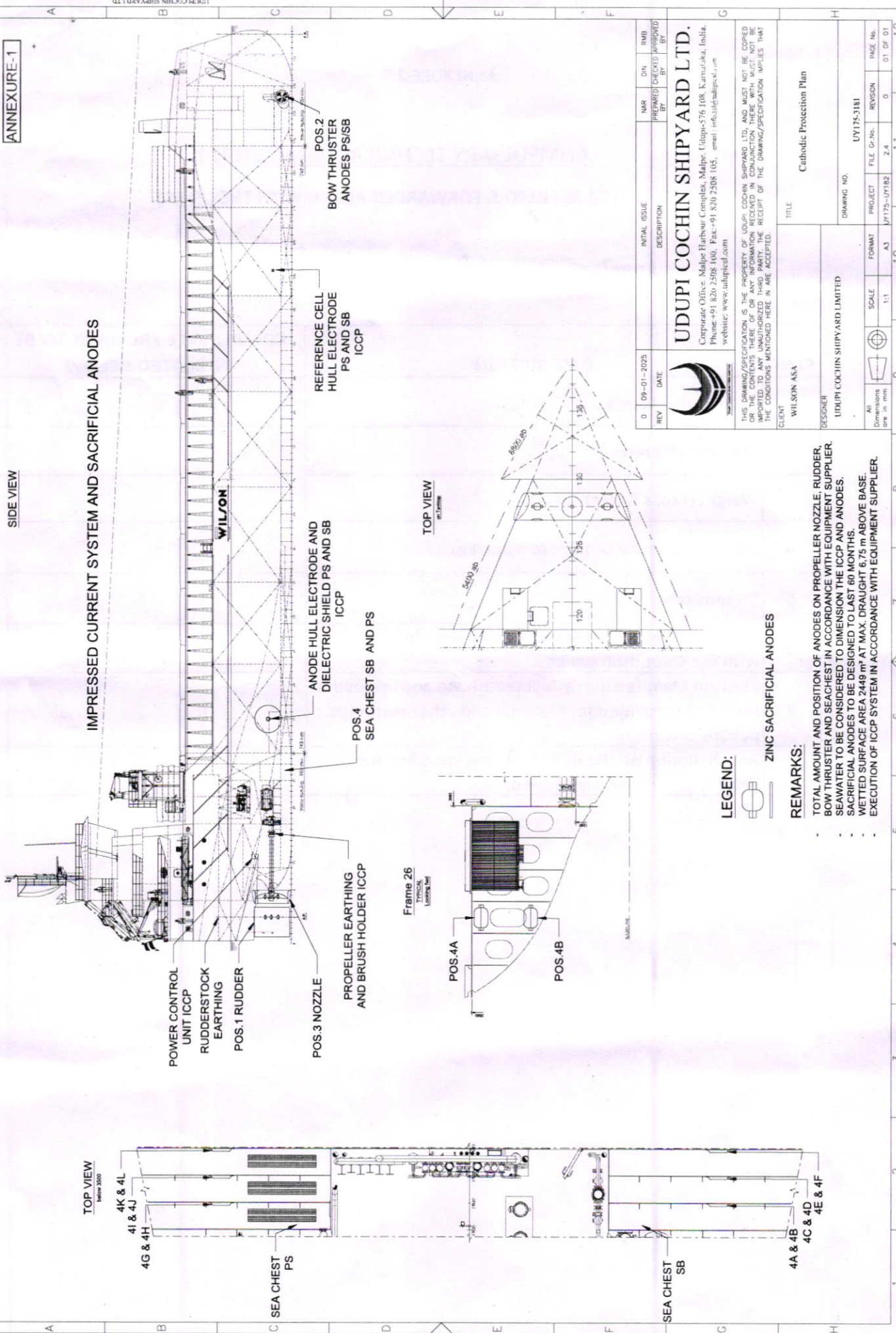
7. GUARANTEE:


The items shall be guaranteed against defective material, workmanship and under performance for a period as mentioned in the commercial terms and conditions.

8. DELIVERY:

Delivery of items shall be as per the delivery schedule indicated in the purchase order.

IMPRESSED CURRENT SYSTEM AND SACRIFICIAL ANODES



0	09-01-2025	INITIAL ISSUE	VAR	DIN	RMB
REV	DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED
			BY	BY	BY
 UDUPI COCHIN SHIPYARD LTD. Corporate Office: Malpe Harbour Complex, Malpe, Udupi-576 108, Karnataka, India. Phone:+91 820 2508 100, Fax:+91 820 2508 105, email: info@udupisl.com website: www.udupisl.com					
THIS DRAWING/SPECIFICATION IS THE PROPERTY OF UDUPI COCHIN SHIPYARD LTD. AND MUST NOT BE COPIED OR THE CONTENTS THERE OF OR ANY INFORMATION RECEIVED IN CONNECTION THERE WITH MUST NOT BE DISCLOSED TO ANY OTHER PARTY WITHOUT THE WRITTEN RECEIPT OF THE DRAWING/SPECIFICATION APPLIES THAT THE CONDITIONS MENTIONED HERE IN ARE ACCEPTED.			CLIENT WILSON ASA TITLE Cathodic Protection Plan		
DESIGNER UDUPI COCHIN SHIPYARD LIMITED			DRAWING NO. UY175-3181		
ALL Dimensions are in mm.			PROJECT FILE Gr.No. UY175-UT182 REVISION 0 PAGE No. 01 OF 01		
SCALE 1:1			PROJECT FILE Gr.No. UY175-UT182 REVISION 0 PAGE No. 01 OF 01		

LEGEND:



REMARKS:

- TOTAL AMOUNT AND POSITION OF ANODES ON PROPELLER NOZZLE, RUDDER, BOW THRUSTER AND SEACHEST IN ACCORDANCE WITH EQUIPMENT SUPPLIER, SEAWATER TO BE CONSIDERED TO DIMENSION THE ICCP AND ANODES.
- SACRIFICIAL ANODES TO BE DESIGNED TO LAST 60 MONTHS.
- WETTED SURFACE AREA 2449 m² AT MAX. DRAUGHT 6.75 m ABOVE BASE.
- EXECUTION OF ICCP SYSTEM IN ACCORDANCE WITH EQUIPMENT SUPPLIER.

ANNEXURE-2

COMPULSARY TECHNICAL DETAILS (CTD)

(TO BE FILLED & FORWARDED ALONG WITH THE OFFER)

SLNO	DESCRIPTION	COMPLIANCE /REMARK TO BE INDICATED BELOW
1	Type of the Anode	
2	Material offered	
3	Weight (Cross & Net)	
4	Material capacity (Ampere-hour/kg)	
5	Dimension	
6	Whether Drawing & Technical specification enclosed with the Quotation or not.	
7	Confirm Manufacturer's Test certificate and inspection report are provided for Material and other testing as per Specification.	
8	Any deviation on the offer from the specification. If yes details may be mentioned.	

ANNEXURE – 3

DEVIATION LIST

(TO BE FILLED & FORWARDED ALONG WITH THE OFFER)

Vendor name and address:				Spec. No /Offer No:	
				Page No:	
Item description:				Ship: Y165-170	
Sl. No.	Spec. Clause no.	Requirement	Status (A/N/C*)	Deviation/ Reason	For UCSL comment

SPECIAL INSTRUCTIONS FOR TWO BID SYSTEM

1. Minimum qualification criteria for participating in the tender will be as follows:

- a) The items shall be manufactured with the best quality material and workmanship. All anodes shall be welded to double plates, compact type.
- b) Type/piece mark of anodes shall be clearly marked on them for easy identification with paint on legs.
- c) Item shall be supplied /manufactured based on specification issued by UCSL along with enquiry specification. Any deviation from the same shall be indicated in the offer (Refer Annexure 3, Deviation list of PTS-175-031).
- d) Original plus 3 copies of material test certificates shall be furnished at the time of supply of the item.
- e) OEM Shall prepare Sacrificial Aluminium Anode arrangement drawing on referring the general arrangement enclosed as Annexure - I (Auto-Cad format attached) of PTS-175-031
- f) Compulsory technical details (enclosed as Annexure – 2 of PTS-175-031) shall be duly filled and submitted along with the offer.
- g) All documents and markings shall be in ENGLISH and in metric system.
- h) No heat treatment is allowed for galvanic anodes of Aluminium type.
- i) Any clarification required regarding technical specifications shall be sought before submission of order. No deviation will be granted after the placement of order.

2. MODE OF SUBMISSION OF TENDERS

TECHNO-COMMERCIAL PART SHOULD CONTAIN FOLLOWING DETAILS

- a. Stamped and signed copy of all pages of tender document and corrigenda (if any) with all supporting document.
- c. Signed Copy of un-priced Price bid (Annexure 4) (Price bid without price & with percentage of taxes & duties and details like "quoted/ Nil/included" need to be mentioned for each line item
- d. List of Deviation (if Any) as per Annexure 3 of PTS-175-031
- e. Compliance to General terms and condition
- f. The successful bidder shall remit a security deposit of 3% of the total order value (excluding taxes, duties) in the form of demand draft drawn in Favor of Udupi Cochin Shipyard Ltd towards the satisfactory performance of the contract, if an order is placed on them. Alternatively, a Bank Guarantee equivalent to above % of the total order value (excluding taxes, duties) as per UCSL format from an

International Bank as per approved list of banks available in CSL website (for overseas supplier) & Scheduled Indian bank for Indian supplier is to be submitted, if an order is placed towards satisfactory performance of the contract.

The Bank Guarantee /DD as above should be initially valid till 90 days after completion of supplies in terms of SD and later revalidated (within the validity of initial BG) to cover the guarantee period mutually agreed plus 90 days. However, in the case of items where WBG is not applicable (as in 15.a.ii), the SD shall be valid for item delivery at yard plus 90 days. Fixed Deposit Receipt (for equivalent amount of Security Deposit/WBG required as per tender) in lieu of bank guarantee is also acceptable. Fixed Deposit Receipt shall be in the name of supplier with lien marked in Favor of Udupi Cochin Shipyard Limited, Malpe.

The above SD/WBG is required or applicable only when the total order value (excluding taxes and duties) is Rs.20lakhs and above (or equivalent foreign currency). In case supplier have quoted Rs.20 lakhs and above in tender and indicated that BG as not applicable in the check list, the clause 3b shall be considered for further process.

g) If the bidder is not agreeable to submission of SD/ warrantee bank guarantee as per UCSL general terms and conditions of enquiry, UCSL reserves the right to reject the offer at our discretion or 3% of total order value (excluding taxes and duties) will be added to the quoted price for tender comparison/ evaluation purpose on case-to-case basis for arriving the lowest bid.

h) However, in cases where total quoted value is less than 20 lakhs, (i.e. split order etc) and the order value of entire tendered items is more than Rs 20.0 lakhs, the aforesaid loading will be applied on individual items in following cases

- The bidder has not quoted for entire tendered quantity
- UCSL has technically / commercially rejected a few items in the tender

i) SD to be submitted within 2 weeks of receipt of order from yard.

j) Format of bank guarantee along with enquiry to be agreed, in general

k) Mode of receipt of bank guarantee is strictly through SWIFT mode from supplier bank to UCSL designated bank (for overseas bidders)

4. PRICE PART

In Price Part as per Price Bid format (Annexure 4) should be signed and stamped kept in separate cover and submitted strictly as per tender schedule.

5. Validity: The offer should be valid for a minimum period of 30 Days from the date of Techn

6. Offered Size of all the Sacrificial Aluminium Anode must be as per the size mentioned in the PTS-175-031. In case of any deviation in the size of any structural pipes the offered size will be rejected.

7. UCSL reserves the right to alter, modify the scope of supply at their discretion.

8. The Techno-commercial part alone will be opened initially on the due date of tender. The price part will be opened only after evaluation of the Techno commercial part.

9. Firms will be intimated the date of opening of the price part, whose Techno-commercial bid is acceptable, in due course. Tenderers shall not be allowed to attend the Techno commercial bid opening.

10. After submission of quotation / price opening no unsolicited correspondence will be entertained.

11. Price part should be submitted exactly in the Price Format as provided. Price should be quoted separately for each item shown in the format. Combining of figures against more than one item and ambiguous clauses will lead to rejection of the bid. Offers should be clear and unambiguous. Incomplete/ambiguous offers are likely to be rejected. The tender document to be submitted by the bidder in duly signed and sealed format. Bid Submission shall include Amendment / corrigendum / response to pre bid query duly signed and accept (if any)

OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity by up to 25% of the contracted quantity during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly

SL NO	Description	Compliance by Supplier (YES/NO)
		In case of non-compliance, please provide remarks.
1	Tenderers are to carefully go through the terms and conditions and the technical specification of the items for which offers are called for. Tenderers have to adhere to above and supply full technical scope of items along with compliance of commercial conditions. UCSL have full right upon deviations, if any, including rejecting the partial scope/ complied offers.	
2	Offers are to be furnished in duplicate and should be free from overwriting. Corrections and additions, if any, must be attested. In the case of E-tender offers shall be submitted only through UCSL E- procurement portal. Incomplete/ambiguous/conditional offers are likely to be rejected.	
3	Technical checklist, if applicable and current general terms & conditions of enquiry duly filled and signed and technical specifications of items offered (refer clause 5), should be submitted along with part-1 techno-commercial bid in the case of two-bid tenders and along with the bid documents in the case of single bid. Non receipt of the document may lead to rejection of offers. In the case of E-tender filling up of GTC check list in the portal itself is sufficient.	
4	Spare/Tool requirements to be confirmed, if applicable i) Spare parts shall be furnished in accordance with the Class recommendations and manufacturers standard ii) The same shall be included in offered costs and shall be a part of L1 evaluation.	
5	Following Certificates/documents is to be submitted for the item in the event of an order: Refer PTS clause no.6 certification, testing and inspection (page no. 3) Refer PTS Clause no 8 compliance matrix (page no 5)	
6	SPECIFICATIONS: - a) Manufacturer's name, their trade mark and brand, if any, should invariably be mentioned and illustrative leaflets giving technical particulars (technical details of items offered including technical literature) etc., should be attached to the offer. b) Materials offered shall conform to UCSL specifications and drawings. c) Samples are to be supplied free of cost in the event of requirement by UCSL. The detailed working drawing, if called for, is also to be furnished for approval before commencement of manufacture.	
7	Packing materials should be eco-friendly.	
8	Supplier should follow the statutory requirements of product offered.	
9	Products supplied shall be non-toxic and harmless to health. In case of toxic materials, Materials Safety Data Sheet may be furnished along with the material.	
10	COMMISSIONING & SEATRIALS: - Service engineer assistance for 15 days(excluding travel days, Sundays) irrespective of number of engineers in 3 trips per shipset. Total 90 man-days (excluding travel days, Sundays) irrespective of number of engineers in 18 trips for all 6 ships to be included in scope and cost. b) Cost considered to include all charges incurred for travel, lodging, food and local transport costs. c) Additional man-day rates to be indicated separately (all inclusive of cost for boarding, lodging and local transport etc.) for extension beyond agreed man-days. Additional man-days/trips only applicable after completion of 28 man-days & 12 trips as indicated in 9a for all the vessels together. d) Whether the applicable taxes in India shall be borne by UCSL/Supplier (In the case of foreign vendors). e) Income tax liability of non-resident service engineer based on his period of stay in India shall not be borne by UCSL f). The non-resident seller/service provider shall provide such documents that are necessitated by the Indian income tax laws so as to enable UCSL to comply with the provisions of Indian statute and for payments of income tax in India. Following documents shall be sought by UCSL in this regard (i) Certificate under 10 (F) (ii) Tax residency certificate (iii) The certification regarding the existence/non-existence of business connection or permanent establishment in India. (The above is only an indicative list)	
11	Taxes and duties, if any, payable extra are to be indicated in the price part for single bid and in techno commercial part and price part (in the case of 2 bid tender).	
12	MSEs, Startups and Make in India a) Local Suppliers (Make In India), MSME firms and Startups will be eligible for various Relaxations in pre-qualification criteria and other Benefits as per the orders promulgated by Government of India. Bidders are advised to refer the details of various Benefits and Relaxation in pre-qualification criteria as published at CSL website (www.cochinshipyard.in) under the Tenders tab for further reference.	
13	Delivery Period: a. Delivery time required for supplies should be indicated in the offer (including time frame for drawing preparation, class approvals, manufacture etc.) Please note, required date at UCSL are as follows: b. The supplier shall submit all the drawings for approval from UCSL within 15 days from the date of PO and UCSL has forward the drawing approval within 15 days thereafter. Material required date at UCSL 1st & 2nd Vessel within 5 months from the date of PO 3rd & 4th Vessel within 9 months from the date of PO	
14	SHIPMENT a. Supplier shall intimate UCSL the readiness of the Equipment/ Machinery/ Components and Parts prior to fourteen days of shipment. b. A minimum 14 days free detention period is to be granted for clearance of the goods at Mangalore/Mumbai/Chennai seaport, as applicable for full containers.	
	PAYMENT TERMS: a. For equipment's with commissioning	