उडुपी कोचीन शिपयार्ड लिमिटेड
पत्तन, पोत परिवहन और जलमार्ग मंत्रालय
भारत सरकार

UDUPI COCHIN SHIPYARD LIMITED

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

Date: 27.11.2026

TENDER ENQUIRY

Dear Sirs,

This tender enquiry is for **INSTRUMENTATION of P & ID** which is required for 4 Sets of 70T Bollard Pull Tug vessels being constructed by Udupi Cochin Shipyard Limited (UCSL) at Kochi Unit. (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/ muhammad.anas@udupicsl.com/ kannan.r@udupicsl.com/ kumaresan.palani.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/2026-27/2170 Techno-commercial and UCSL/MAT/PROJ/2026-27/2170- Price bid)

Enquiry No.	Enquiry Date	Last Dt. & Time for Receipt of Tender	Tender Opening Date & Time
UCSL/MAT/PROJ/2026-27/2170	27.11.2026	15.12.2026, 15:30:00	15.12.2026, 16:00:00

Sl No	Material/ ~~Service~~ Description	UOM	Qty	Yard No	Required Date at UCSL
1	Instrumentation of P & ID	Shipsets	04	UCSL Y193-Y196	1) UY193/BY172 - 15 Mar 2027 2) UY194/BY173 - 15 Apr 2027 3) UY195/BY174 - 15 May 2027 4) UY196/BY175 - 15 Jun 2027

In case of commercial queries please contact			
Name	**Designation**	**Mobile no.**	**E-mail**
Mr. Muhammad Anas	Sr. Manager (Material)	+91 820 2912106	muhammad.anas@udupicsl.com
Mr. Kannan R	Manager (Materials)	+91 9739479475	kannan.r@udupicsl.com
Mr. Kumaresan Palani	Assistant Manager (Materials)	+91 6380083140	kumaresan.palani.udupicsl.com
In case of technical queries please contact			
Name	**Designation**	**Mobile no.**	**E-mail**
Mr. Sachithlal Padmanabhan	**Assistant General Manager (Design)**	+91 8976177614	sachithlal@udupicsl.com

Enclosures:

1. Purchase Technical Specification - Annexure 1
2. General Terms and Conditions of procurement - Annexure 2
3. Price bid format - Annexure 3
4. Bank Guarantee/Security Deposit Format - Annexure 4

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	15	Initial Issue	19-10-2026	Venkatesh ch

70T BP ELECTRIC HARBOUR TUG

COCHIN SHIPYARD LTD
(A Government of India Enterprise)
Perumanoor PO, Kochi,
Kerala, India - 682015

UDUPI COCHIN SHIPYARD LTD
(A Cochin Shipyard Company)
Malpe Harbour Complex, Malpe, Udupi,
Karnataka, India - 576108

YARD NO	BY172-BY175	**70T BP Electric Harbour Tug**	
OWNER	M/s Svitzer AS, Denmark	**PURCHASE TECHNICAL SPECIFICATIONS FOR INSTRUMENTATION OF P&ID**	
APPROVED	Sachit Padmanabhan		
CHECKED	Vineesh		
PREPARED	Venkatesh ch		
DATE	19-10-2026	Doc. No.: PTS-BY172-055	Rev. No: 0
ISSUED TO	DEP		
	NO.		

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SECTION A – GENERAL SPECIFICATIONS

1. Introduction

The 70T BP Electric Harbour Tug is designed by Robert Allan Ltd and built by Udupi Cochin Shipyard Limited). The scope of this document is to obtain offer for the design and supply of Instrumentation of P&ID for the vessel. All required accessories, spares and tools for equipment are also to be included in the scope of supply of the supplier.

2. Name & Quantity

Instrumentation of P & ID : 1 No./ Vessel

The total requirement is for four (04) vessels. The technical specifications of the equipment shall be as per Section-B of this document.

3. Class & Flag Rules

The vessels shall be built under the flag and classifications are specified as follows:

Flag: Vessel to satisfy all applicable rules and regulations of ***Australia*** with an option to switch to ***United Kingdom*** flag for one or more tug(s) during construction.

Yard No.	Flag
BY 172 & BY175	UK (MER)
BY 173, BY 174	Australia (MED)

Classification: ABS.

Class Notation: ✠ A1, Towing Vessel, ✠ AMS, ABCU, QR, BP (70), Unrestricted Navigation, UWILD 7.5, Escort Vessel, PMP (Thruster). OPTION (for Fi-Fi): Fire Fighting Vessel Class 1 notation.

4. Vessel Particulars

The principal dimensions of the tug are as follows:

Length over all, L_{OA}	: approx. 25.9 m
Breadth moulded, B_{mld}	: 13.0 m
Depth moulded, D	: 4.8 m
Draught operational, $T_{operational}$	: 6.40 m
Draught maximum, T_{max}	: 6.70 m
Draught scantling, $T_{scantling}$	: 6.75 m
Deadweight at T = 6.40 m, $DWT_{operational}$	: approx. 60 t
Deadweight at T = 6.75 m, DWT_{max}	: approx. 130 t

5. Rules and Regulations

Tug shall be built in compliance with all relevant International Standards as applicable at the time of construction.

- COLREG: International Regulations for Preventing Collisions at Sea, 1972
- DIN 2441: Steel tubes heavy weight for suitable for screwing
- DIN 2445: Seamless steel tubes subjected to dynamic loads
- DIN 71412: Tapered Lubrication Nipples
- EN 15940: Hydrotreated Vegetable Oil (HVO)
- IEC 60034: Rotating electrical machines
- IEC 60076-11: Dry-type transformers
- IEC 60092: Electrical installations in ships
- IEC 60533: Electrical and Electronic Installations in Ships – Electromagnetic Compatibility (EMC) – Ships with a Metallic Hull
- IEC 60947: Low-voltage switchgear and control gear
- IEC 61363-1: Electrical installations of ships and mobile and fixed offshore units
- IEC 61439: LV switchgear and control gear assemblies
- IEC 62443-4-1: Secure product development lifecycle requirements
- IEC 62443-4-2: Technical security requirements for IACS components (Industrial Automation and Control Systems)
- IMO BWM convention: International Convention for the Control and Management of Ships' Ballast Water and Sediments
- IMO Resolution A.468 (XII): Code on noise levels on board ships
- IMO Resolution A.749(18): IMO Stability Guidelines
- ISO 14726: Ships and marine technology — Identification colours for the content of piping systems
- ISO 19019: Seagoing vessels and marine technology Instructions for planning
- carrying out and reporting sea trials
- ISO 20283-5: Guidelines for measurement, evaluation, and reporting of vibration with regard to habitability on passenger and merchant ships, latest edition
- ISO 3913: Shipbuilding – welded steel bollards
- ISO 484: Shipbuilding - Ship screw propellers - Manufacturing tolerances
- ISO 8217: Ultralow Sulphur Marine Gas Oil (MGO) DMA distillate
- ITC 69: International Tonnage Convention
- MARPOL 73/78/92 Annex I: Prevention of Pollution by Oil
- MARPOL 73/78: Annex IV: Prevention of Pollution by Sewage from Ships
- MARPOL 73/78: Annex V: Pollution by garbage from ships
- MARPOL 73/78: Annex VI: Prevention of air pollution from ships
- NSCV part C, subsection 5B Electrical: Australia's National Standard for Commercial Vessels, which prescribes Australian standards such as AS/NZS 3000. In case of conflicts, the Australian standards prevail.

Exemptions on any requirements of these regulations, as deemed necessary considering the operational needs of the vessel are to be obtained from relevant Authorities/Class. In general, the supplier shall comply with the relevant rules and regulations for the equipment/components/accessories included in the scope of supply.

6. Compliance, Testing & Inspection:

a) The instrumentation package, including all sensors, transmitters, switches, indicators, alarm devices, mounting accessories, and all associated components required for a complete and fully functional installation, shall be of an approved marine type and suitable for continuous operation under the specified marine environmental conditions.

b) Manufacturer's shop tests and inspections shall be carried out in accordance with the manufacturer's standard procedures. Relevant test reports, inspection records, and certificates shall be submitted as applicable.

c) The buyer shall have the option to attend FAT (both owner and yard). The OEM shall intimate the FAT dates well in advance.

d) The certificates of the survey and test reports as applicable shall be supplied along with the equipment.

e) Testing and certifying the scope of supply at OEM's test bed as Factory Acceptance Trials (FAT) in accordance with the OEM's standard. Owner's requirement (if any) as mutually agreed, to be undertaken.

f) Buyer (both owner and Yard) shall have the option to attend FAT. OEM shall intimate FAT dates well in advance (at least 2 weeks in advance). Official FAT protocols to be signed by attending parties.

g) OEM recommended test & trial protocols shall be submitted to shipyard (Builder) well in advance for approval.

h) After installation and commissioning, onboard Harbour Acceptance Trials (HAT) shall be carried out as per OEM's standard practice. Any faults found at this stage, shall be corrected to the satisfaction of all related parties before the delivery of the ship

i) Sea Acceptance Trials (SAT) shall be undertaken as per the manufactures standard.

j) The calibration certificates of all instruments, especially the pressure gauges to be submitted along with the equipment.

k) All certificates required by the buyer shall be provided by the OEM.

7. Design Conditions

The Vessel shall be designed for operation in international waters in all weather conditions including heavy rain, fog and night-time.

The following ambient conditions shall be considered for the selection of the Vessel's equipment and machinery. Machinery shall be able to deliver its specified output and operate satisfactorily even under the climate conditions mentioned in Table below.

Condition	Minimum	Maximum
Air temperature:	0°C	40°C
Seawater temperature	5°C	32°C

Machinery spaces:	-	50°C
Relative humidity:	30% at 45°C	100% at 30°C

List, rolling, trim and pitch according to limits as per Class Above requirements to be considered as minimum, any other requirements which are necessary to meet shall be considered for design and operation of the equipment.

8. Electric Power Supply

Voltage, Frequency, and Earthing

Power system	Primary	Secondary	Frequency	System earthing
Main power	3x415 V AC	240 V AC	50 Hz	TN-C-S system ~ MEN system
DC systems (excl. ESS)	24 VDC	-	-	IT system

- Primary voltage from two DC/AC inverters supplying a 3x415 VAC switchboard.
- Secondary voltage from phase and neutral.

9. Supply of Documents

All documents shall be in English and in SI unit system and the following documents shall be submitted, where applicable.

9.1. Documents to be submitted along with offer

a. General arrangement drawing of equipment showing maintenance space required around the equipment in Autocad/ dxf format along with foundation drawing with sizes of bolts and clearances if required for maintenance.
b. A brief specification of equipment offered along with details of weight, C.G, heat dissipation and dimensions of various system components etc.
c. Technical datasheet containing model no., power consumption, supply voltage, frequency ranges and Interface details.
d. Offer shall clearly indicate the maker cable and cable to be supplied by yard. Details of special cables and cable length limitation if any to be specified. All special cables are in scope of supplier.
e. SLD/ Electrical wiring diagram & Interconnection/ Block diagram of the system along with power supply requirements to be submitted.
f. List of spares/ tools as required and list of recommended spares for operation at different maintenance intervals along with details of loose supplied items etc.
g. Installation Guidelines/ Manuals
h. List of items quoted, including service engineers during commissioning.
i. List of items/options, if any, not covered in the supplier's scope.
j. Type approval certificates as applicable as per class/ rules & regulations.
k. Firm has to provide end of life treatment and final disposal procedure of the equipment's along with offer.

l. One soft copy of offer to be send as an attachment

m. NDAA Compliance letter.

n. Deviation List.

9.2. Documents to be submitted within 21 working days after placement of Order/LOI/As per final agreement

a. Detailed Bill of Material.

b. Electric schematic diagram, Internal wiring diagram and connection diagram of all equipment or parts of equipment along with cable details with terminal numbers marked.

c. Detailed definition of all terminal points and interfaces

d. Installation and commissioning details

e. Onboard test procedure (testing procedure after installation)

f. Operation, Installation, and Maintenance Manual

g. List of spares / tools as agreed

h. Engraving list for identification, function markings, directories for all the equipment's to be forwarded for approval

i. Details of shop test and inspection for all items

9.3. Documents/certificate to be submitted along with delivery of equipment to the Yard (3 sets hardcopies + 1 set of soft copy in CD)

a. Packing list (with reference to each item of bill of materials)

b. Type approval certificate from any IACS member

c. Warranty/ Guarantee certificate

d. Quality and Manufacturer's test certificates, as applicable

e. Any other certificate required as per international regulation in force

f. Installation/Operation and Maintenance manuals

g. Spare parts list

10. Design Support and Commissioning Engineer

Required design support and assistance of OEM experts free of cost for erection, alignment, commissioning and for official speed trial for required number of days not less for a ship as indicated in table below. The exact date and number of visits required shall be intimated with 14 days' notice.

Sl. No.	Equipment	Installation, Commissioning
1.	Instrumentation of P &ID	02 commissioning days per vessel

11. General Remarks

a) Liability: Manufacturer shall bear all responsibilities for the shop trials and the delivery of the equipment.

b) Preservation: Recommended method of preservation and names of recommended preservatives shall be indicated. Maximum R.H. (Relative Humidity) at Malpe in Karnataka is around 80% and minimum R.H is at around 60%.

c) Special Tools: Special tools if any required for installation have to be supplied with the equipment.

d) Instruments: Instruments to be mounted on the equipment have to be supplied with the equipment.

12. Compliance Matrix

A compliance matrix in the following format shall be submitted by the supplier along with the offer. Deviations from the Technical specification shall be specifically indicated.

Vendor name and address:				Spec.No/Offer No:	
				Page No:	
Item description:				Ship: BY172 – BY175	
Sl. No.	Spec. Clause no.	Requirement	Status (A/N/C*)	Deviation/ Reason	For CSL comment

A-Acceptable, N-Not Acceptable, C-Conditional acceptance.

13. Guarantee

The equipment and accessories shall be guaranteed against defective design, material and workmanship and under performance till, for a period as mentioned in commercial terms and conditions. Guarantee of the equipment shall be as per commercial terms and conditions.

SECTION B – TECHNICAL SPECIFICATIONS

1. General Requirements:

The Level Sensors, Temperature Sensors, Flow Indicators, and Flow Meters shall provide reliable and accurate measurement and monitoring of the respective process parameters throughout the vessel in accordance with the applicable statutory and classification society requirements.

The scope of supply shall include all equipment necessary for a complete, fully functional, and integrated instrumentation system, including but not limited to sensors, transmitters, indicators, flow meters, mounting accessories, cables, connectors, junction boxes, and all associated hardware required for installation, integration, testing, and commissioning.

The items supplied must be suitable for marine applications and function smoothly at design and environmental conditions mentioned in section A of this document, without any undue effect.

It should withstand air contamination through oil, salt and other contaminants associated with the marine environment.

2. Technical Requirements

2.1 Level sensors

Sensors are to be provided for tanks to measure the tank content (in terms of volume, height, high level and low-level alarm etc.)

All fuel, fresh water and sewage tanks to be fitted with indicators and sensors, contents to be displayed in the Alarm and Monitoring System (AMS).

The sensors shall have following features:

Sl. No.	Parameter	Specification
1	Application	For non-pressurized tanks and pressurized tanks.
2	Protection	Minimum IP68
3	Accuracy	Better than ±0.1% of full scale.
4	Construction	Compact, rugged stainless-steel construction.
5	Environmental Suitability	Suitable for corrosive and high-temperature applications.
6	Read-out	System shall provide calibrated level read-out.
7	Sensor Compatibility	Suitable for fluid type and operating temperature of respective tanks.
8	Hazardous Area	Fuel and Lube Oil tank sensors shall be intrinsically safe.
9	OEM Supply	Each sensor shall include 3 m cable and one Junction Box (JB).
10	Connection	Each sensor shall connect to the AMS system via hardwired signals (4-20ma).
11	Shipyard Scope	Cable between JB and AMS shall be in shipyard scope.
12	Mounting	Sensor mounting shall be flanged or as recommended by OEM.
13	Mounting Bracket	Material shall be as recommended by OEM.

2.2 Temperature sensors

Sl. No.	Parameter	Specification
1	Low Temperature	The temperature sensor shall generate a Low Temperature Alarm (LTA) when the measured fluid temperature falls below the predefined low temperature set point.
2	High Temperature	The temperature sensor shall generate a High Temperature Alarm (HTA) when the measured fluid temperature exceeds the predefined high temperature set point.
3	Alarm Interface	The temperature measurement shall be transmitted as a 4–20 mA analog signal, and the High and Low Temperature signals shall be interfaced with the vessel's Alarm Monitoring System (AMS).
4	Alarm Set Points	The High and Low Temperature alarm set points shall be factory-configured or field-adjustable in accordance with the vessel's control philosophy.
5	Sensing Element	The temperature sensor shall be suitable for continuous immersion in Diesel Exhaust Fluid (DEF) and shall be compatible with the fluid without affecting its properties or sensor performance.
6	Temperature Sensor Setting	The temperature sensor shall be set for a nominal DEF operating temperature of 50°C and shall generate High and Low Temperature Alarms upon deviation from the configured set points.
7	Accuracy	The temperature sensor shall have an accuracy of ±1°C or better over its specified operating range.
8	Enclosure Protection	The sensor enclosure shall have a minimum degree of protection of IP67/IP68, suitable for marine environmental conditions.
9	Standards & Approval	Approved by a recognized Classification Society and compliant with applicable IEC standards.

2.3 Temperature switch

Sl. No.	Parameter	Specification
1	Function	Shall monitor fluid temperature and provide switching signals for control and monitoring.
2	Control Function	Shall provide configurable switching contacts based on the measured temperature for automatic control and interface with the vessel's Alarm Monitoring System (AMS).
3	Temperature Set Point	Temperature set point and switching differential shall be adjustable.

4	Seawater Cooling System	Shall switch seawater flow when inlet temperature exceeds 30°C and revert when below 30°C.
5	Measuring Range	0°C to 100°C or as required by the application.
6	Accuracy	±1°C or better.
7	Enclosure Protection	Minimum IP67.
8	Standards & Approval	Approved by a recognized Classification Society and compliant with applicable IEC standards.

2.4 Flow switch

Sl. No.	Parameter	Specification
01	Type	Direct-reading liquid flow switch
02	Application	Fuel oil overflow tank
03	Switch element	Microswitch / Reed switch suitable for the operating conditions
04	Body material	Compatible with the system liquid (Fuel Oil)
05	Measuring range	Suitable for detecting flow rates around 10 m^3/h in a DN50 pipeline;
06	Pressure rating	10 m^3/h at 2 bar pressure.
07	Temperature rating	<60 degree C
08	Mounting	Horizontal with clear visibility and accessibility
09	Connections	DN50 & DN80, compatible with the pipeline connection
10	Leakage protection	Suitable arrangement to minimize leakage in case of element failure
11	Class compliance	Applicable ABS Rules
12	Protection	Minimum IP56

2.5 Pressure sensors

Sl. No.	Parameter	Specification
1	Type	Marine-approved pressure sensor suitable for continuous compressed air service onboard the vessel.
2	Application	Suitable for monitoring the working pressure of the compressed air system.
3	Low Pressure Alarm	Shall generate a Low Pressure signal when pressure falls below preset point and shall provide the alarm signal vessel's Alarm Monitoring System (AMS).
4	Accuracy	±0.1% of full scale or better.
5	Construction	Suitable for compressed air service and constructed from corrosion-resistant materials suitable for marine applications.

6	Enclosure Protection	Minimum IP67, suitable for marine environmental conditions.
7	Environmental Suitability	Suitable for continuous operation under vibration, shock, humidity, and other marine environmental conditions.
8	Standards & Approval	Shall be approved by a recognized Classification Society and comply with applicable IEC standards.

3. Scope of supply

Sl no.	Description	Qty	Remarks
01	High level sensors (IP68)	25	
02	Low level sensors(IP68)	11	
03	Pressure sensors	02	
04	Temperature switch	04	
05	High temperature sensors(IP68)	02	
06	Liquid level- Remote	13	
07	Flow Switch	03	
08	Solenoid valve sensor	02	

NOTE: The P&ID Sensor Matrix is attached as an Annexure-1 to the PTS for reference. Kindly refer to the attached file for the tank details.

4. Conditions of supply

a. Equipment's are to be designed & constructed with sufficient strength, capacity and the necessary supporting systems to provide reliable operation in all operating conditions.

b. Supplier should tender advice free of any charges in respect of offered layout drawings, construction of structure in way of the mounting, instrumentation & control and also assist in answering of queries from the Yard/Owner.

c. Supplier should also undertake to study any drawing submitted by the shipyard and offer approval/comments/advice on them free of any charge.

d. Equipment shall have easy access for cleaning, maintenance, repair, inspection. The vendors are requested to offer the equipment with minimum possible dimensions.

5. Spare parts, Inventories, Tools:

Following Spares shall be included in the scope of supply:

a) Spare parts, which are mandated by Classification Society and Regulatory Authority for the intended operation, shall be included in the scope of supply by the OEM as per OEM Specifications.

b) Manufacturer's standard recommended consumable spares and tools for maintenance of the machinery/equipment and fittings shall be included in the scope of supply.

c) Installation and Commissioning spares as per Manufacturer standard shall be included in the scope of supply.

d) Each part or set of parts shall be individually packed and protected against dampness and corrosion during prolonged storage.

e) Each part to have a tie-on label and duplicate labels attached to the exterior of each package. All labels are to be indelibly marked with the designated type and name and serial number/part number and also marked with the name of machinery for which it is intended.

f) The spare parts shall be supplied separately.

g) All the equipment/accessories supplied should meet the rule requirements of class notations and other operational requirement for the vessel. Alternatively, any features/accessories/equipment required as per applicable class rules and other operational requirements should be included in the scope of supply.

6. General Remarks

a. Spares & Tools

Spares & tools for all equipment fittings as per OEM standards are to be included in scope. Manufacturer standard recommended consumables spares & tools for maintenance of equipment & fittings to be included in the scope.

b. Liability

Manufacturer shall bear all responsibilities for the shop trials and the delivery of the equipment.

c. Screw Thread

Screw thread if any, shall be in accordance with ISO standard.

d. Vibration

Arrangements to be made to counter the vibration likely to be caused due to azimuth thruster propeller operation.

e. Preservation

Recommended method of preservation and names of recommended preservatives shall be indicated. Maximum R.H. (Relative Humidity) at Malpe in Karnataka is around 80% and minimum R.H is at around 60%.

f. Special Tools

Special tools if any required for installation have to be supplied with the equipment.

g. Packing & Labelling

Each part or set of parts should be individually packed and protected against dampness and corrosion during prolonged storage. Each part to have a tie-on label and duplicate labels attached to the exterior of package. All labels permanently marked with designated type and name of serial number or part number.

h. Instruments
Instruments to be mounted on the equipment have to be supplied with the equipment.

7. Asbestos Free Declaration

To provide compliance for Asbestos Free as per below:
"Materials supplied to the project will be reviewed against threshold levels, outlined in Appendix 1, Table A & B of RESOLUTION MEPC.379(80) - 2023 Guidelines for the Development of the Inventory of Hazardous Materials. Further, materials identified by the client as being at risk of containing asbestos will be required to conform to Australian Border Force (ABF) requirements of No Detect. As such, materials must comply with the threshold limits provided and the vendor may be requested to supply analytical evidence in addition to any declarations made to the conformity of any supplied materials.

8. Cybersecurity requirements:

To ensure insecure applications or hardware are not installed both hardware and software must be supplied in a hardened state, free from known vulnerabilities and malware. If any vulnerabilities are identified after delivery during the warranty period, maker must:
- immediately highlight any confirmed public or non-public 'Critical Vulnerability' to cybersecurity@svitzer.com.
- At no cost provide remediation using patches, or other measures that equivalently mitigate the vulnerabilities. As new vulnerabilities can be found over time, we must be able to fix these depending on their criticality. This means the maker needs to keep track of what has been installed, understand the potential risks and be ready to provide fixes when needed. Control software/Operational Technology shall comply with requirements in the relevant IEC standards. In addition, it must always be possible for the maker to account for backup, restore, patching and monitoring. The implementation of these standards, including the specific security measures to protect control systems, shall be documented and form an integral part of these requirements. This documentation, alongside the maker's risk assessment of the solution, must be provided for transparency and evaluation purposes.

9. Australia's National Standard for Commercial Vessels

To provide compliance for below:

NSCV part C, subsection 5B Electrical: Australia's National Standard for Commercial Vessels, which prescribes Australian standards such as AS/NZS 3000. In case of conflicts, the Australian standards prevail.

Note: ***Notwithstanding any omission in this specification, all items/features required as per regulations, safe working and good ship building practice shall be included in the offer by the bidder.***

ANNEXURE -1

---------- Refer Attached Document For Reference ----------

ANNEXURE-1

Sl. No	Sytem	Tank Name/ Discription	Seonsor For High level Alarm	Seonsor For Low level Alarm	Seonsor For Pressure Alarms	Liquid level-REMOTE	Liquid level-LOCAL	High Temperature Alarm	Low Temperature Alarm	Flow Indicator (Mechanical)	Flow Switch for Alarm	Temprature Switch	Solenoid Valve	Remarks
1	Fill, vent , Soundign system	F.O DAY TANK (PORT)	1	1		1								
2	Fill, vent , Soundign system	F.O DAY TANK (STBD)	1	1		1								
3	Fill, vent , Soundign system	FORWARD FRESH WATER TANK, PORT		1		1								
4	Fill, vent , Soundign system	FORWARD FRESH WATER TANK, STBD		1		1								
5	Fill, vent , Soundign system	AFTPEAK FRESH WATER TANK, PORT		1		1								
6	Fill, vent , Soundign system	AFTPEAK FRESH WATER TANK, STBD		1		1								
7	Fill, vent , Soundign system	DEF TANK, PORT	1	1				1						Owner has clarified that for DEF tank temperature alarms, we can go with single sensor providing both the high and low alarms
8	Fill, vent , Soundign system	DEF TANK, STBD	1	1				1						Owner has clarified that for DEF tank temperature alarms, we can go with single sensor providing both the high and low alarms
9	Fill, vent , Soundign system	FOAM TANK (OPTIONAL VOID), CENTRE		1		1								
10	Fill, vent , Soundign system	FUEL OIL DOUBLE BOTTOM TANK, PORT				1								
11	Fill, vent , Soundign system	FUEL OIL DOUBLE BOTTOM TANK, STBD				1								
12	Fill, vent , Soundign system	AFT FUEL OIL DOUBLE BOTTOM TANK, PORT				1								
13	Fill, vent , Soundign system	AFT FUEL OIL DOUBLE BOTTOM TANK, STBD				1								
14	DEF System	DEF Transfer Skid - Drip tray High Level Alarm	1											
15	DEF System	DEF Dosing Skid Port - Drip tray High Level Alarm	1											
16	DEF System	DEF Dosing Skid Stbd - Drip tray High Level Alarm	1											
17	DEF System	DEF Tank Port - Drip tray High Level Alarm	1											
18	DEF System	DEF Tank Stbd - Drip tray High Level Alarm	1											
19	Fill, vent , Soundign system	SEWAGE TANK, CENTRE	1			1								
20	Fill, vent , Soundign system	SLUDGE TANK, STBD	1											
21	Fill, vent , Soundign system	OILY WATER TANK, PORT	1											
22	Fill, vent , Soundign system	FUEL OIL OVERFLOW TANK, CENTRE	1			1				1	1			
23	Bilge and Fire system	Bilge and Fire system -AFT peak Void (C)	1											
24	Bilge and Fire system	Bilge and Fire system --Forepeak Void (C)	1											
25	Bilge and Fire system	Bilge and Fire system --Battery room(S)	1											
26	Bilge and Fire system	Bilge and Fire system --Battery room(P)	1											
27	Bilge and Fire system	Bilge and Fire system --Engine room suction Port	1											
28	Bilge and Fire system	Bilge and Fire system --Engine room suction Stbd	1											
29	Bilge and Fire system	Bilge and Fire system --SWBD RM suction	1											
30	Bilge and Fire system	Bilge and Fire system --L-Drive RM suction	1											
31	Bilge and Fire system	Bilge and Fire system --Tow-PIN Void	1											
32	Bilge and Fire system	Bilge and Fire system --Chain Locker	1											
33	Bilge and Fire system	Bilge and Fire system --Deck locker Port	1											
34	Fill, vent , Soundign system	FO vent collector tank	1											
35	M/c cooling system	For Temprature control valve										4		Temperature switch may be insufficient. Senosr might be required. Please discuss with the thermostatic valve supplier and suggest to obtain the sensor from valve supplier itself.
36	M/c cooling system	Port central heat exchanger expansion tank Low Level Alarm		1										
37	M/c cooling system	Stbd central heat exchanger expansion tank Low Level Alarm		1										
38	Compressed air system	Utility air manifold Low pressure alarm			1									
39	Compressed air system	DEF air inlet Low pressure alarm			1									
40	Bilge and Fire system	Flow alarm for battery room port									1			
41	Bilge and Fire system	Flow alarm for battery room Stbd									1			
42	Bilge and Fire system	Solenoid valve for Fender Lubrication											1	
43	Bilge and Fire system	Solenoid valve for Tow Line Lubrication											1	
			25	11	2	13	0	2		1	3	4	2	

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General Terms and Condition		Annexure 2
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. 3-Class and flag Rules in Section A of PTS** **Refer PTS Clause no. 6- Complience ,testing and Inspection.** **Refer PTS Clause no. 9-supply of documents.** **Refer PTS Clause no. 2 Technical Requirements in section B in PTS.** **Refer PTS Clause no. Section B- clause no:3 Scope of supply.**	
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 products 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	~~**a) COMMISSIONING & SEATRIALS: - Service engineer assistance for 1 days/shipset (excluding travel days, Sundays) irrespective of number of engineers per shipset 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 12 man-days for all vessels together 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 21 days from the date of PO and UCSL has forward the drawing approval within 15 days thereafter. **Material required date at UCSL, Kochi Unit is** **1) UY193/BY172 - 15 Mar 2027** **2) UY194/BY173 - 15 Apr 2027** **3) UY195/BY174 – 15 May 2027** **4) UY196/BY175 – 15 Jun 2027**	
	SHIPMENT	

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General Terms and Condition		Annexure 2
SL NO	Description	Compliance by Supplier (YES/NO) In case of non-compliance, please provide remarks.
14	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.	
15	**PAYMENT TERMS:**	
	a. For equipment's with commissioning	
	~~**UCSL payment term is 80% along with 100% applicable taxes within 30 days from the date of receipt and acceptance of items at UCSL stores after inspection and balance 20% on satisfactory completion of commissioning certified by UCSL.**~~	
	b. For general items	
	UCSL payment term is 100% within 30 days of receipt and acceptance of materials at UCSL stores after inspection.	
16	c) Payment mode shall be Electronic Clearing System (ECS)/cheque /NEFT/ /LC/CAD/TT-as mutually agreed in line with above standard payment terms. Variations from standard terms, if any, shall be appropriately loaded for tender comparison purposes for arriving the lowest bid. Bank charges (including LC charges, if any) inside India will be to UCSL account and outside India to supplier's account (In the case of import shipments). The charges for LC amendment, if any, shall be borne by the parties by whom the same is attributed/ necessitated.	
	d) Normally advance payments are not encouraged. In case, if advance payment is sought, the same can be considered for a maximum of 10% order value only. Interest at the base rate of SBI {applicable on the date of price bid opening} + 1% for the amount of advance will be charged. In addition, Bank guarantee for equivalent amount of advance to cover the period till advance payment is adjusted to be furnished. (i.e till completion of supplies or for a period as specifically agreed + 90 days). In case interest as above is not agreeable to be paid, the same will be loaded on your quoted basic prices, for tender comparison purposes for arriving the lowest bid	
	e) For deviation in Payments terms from UCSL standard terms, if any, aforesaid interest will be loaded on quoted item prices, for tender comparison purposes for arriving lowest bid.	
	f) Part payment shall be considered only if specifically agreed against partial supplies.	
	(g) If it is found that the supplier is not filing GSTR 1 & 3B against the invoices submitted to UCSL within the stipulated time,UCSL reserves the right to deduct the GST amount in the next payment, if available or raise a debit note equivalent to this amount.	
17	**Security Deposit/ Warrantee Bank Guarantee**:	
	a.i) 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.	
	a.ii) The supplier shall also agree for 3% of total order value (excluding taxes and duties) as Bank guarantee towards the Guarantee clause	
	a.iii) 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 (if applicable as per a.ii above). 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, Udupi.	
	a.iv) 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 17b shall be considered for further process.	
	b) 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.	
	However, in cases where total quoted value is less than 20 lakhs, (ie 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	
	c) SD to be submitted within 2 weeks of receipt of order from yard.	
	d) Format of bank guarantee along with enquiry to be agreed, in general	
	e) Mode of receipt of bank guarantee is strictly through SWIFT mode from supplier bank to UCSL designated bank (for overseas bidders)	
18	**Risk Purchase:** If the supplier fails to supply the items ordered in good quality as per contract specification and fails to deliver within the delivery date or violate any of the terms and conditions of the purchase order, UCSL shall have the following rights.	
	a. To cancel the order partially or fully with 15 days, notice and to forfeit the security deposit, if any.	
	b. To impose tender holiday for the vendor for an appropriate period as decided by UCSL	
	c. To initiate alternate procurement action at the risk and cost of the supplier. This Risk Purchase clause is applicable only in the case of total order/ contract value (excluding taxes and duties) is Rs.20 lakhs and above (or equivalent foreign currency). Cases of value less than 20 lakhs will be addressed by serving appropriate caution/ warning notice to the firm.	
	Liquidated Damage:	

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General Terms and Condition		Annexure 2
SL NO	Description	Compliance by Supplier (YES/NO) In case of non-compliance, please provide remarks.
19	In case of delay in supply of ordered materials beyond the stipulated delivery period, which is not attributable to UCSL, supplier is to pay Liquidated Damages (and not by way of penalty) a sum equivalent to ½% (half percent) per week or part of the week of the total basic price ~~in case of Machinery/Equipment and of basic price of materials delayed in all other cases~~ , subject to a maximum of ~~10% of the total basic price of undelivered material/~~ 10% of total basic price of machinery/equipment (Total basic price is the order value excluding freight, taxes, other charges etc.). Further, GST will be applicable upon LD and the same also will be deducted along with LD. However,LD applicability is without prejudice to UCSL right to terminate contract for delayed delivery or other actions as per clause 18.	
20	**Guarantee**	
	a) The Items supplied shall be guaranteed for rated performance and against damage or failure due to faulty design, defective materials and bad workmanship for a period of 18 months from the date of delivery of the ship to Owners OR 24 months from the date of delivery of items to Yard, whichever is earlier. Should such damage/failure occurred within the Guarantee period, the Supplier should immediately rectify the failure by repair/replacement of any such part found to be under performing/ defective, at his own expenses.	
	b) Further to equipment guarantee, replaced/repaired items shall be guaranteed for 12 months from date of repair/replacement.	
21	**Preservation & Packing**	
	1.The preservation and packaging of the equipment to ensure that there is no damage and deterioration during transit and the period when the item is in storage in store house. 2. Duration of validity of preservation to be indicated. 3. Methodology for receipt inspection without affecting preservation (for main equipment and loose supplied items) is to be indicated by the OEM including any requirement for re-preservation 4. The procedure for re-preservation to be supplied by the firm. 5. Requirement of special provisions for storage and transportation to be specifically indicated. 6. Any consumables required for preservation/ re-preservation beyond a stipulated time period to be clearly indicated by OEM.	
22	**Jurisdiction:**	
	All questions, disputes or difference arising under, out of, or in connection with contracts shall be subject to the exclusive jurisdiction of the Courts at Bangalore, India. Alternate dispute resolution mechanism can also be considered.	
23	**Force Majeure condition**:	
	Should failure in performance of the contract or part thereof arise from war insurrection, restrain imposed by Government, Act of Legislature or other Statutory Authority or illegal strike, riot, legal lock-out, flood, fire, explosion, act of God or any inevitable or unforeseen event beyond human control which may be construed as reasonable ground for an extension of time, UCSL may allow such additional time as is mutually agreed, to be justified by the circumstances of the case. The occurrence/cessation of force majeure situation is to be informed with documentary evidence within 15 days from the date of occurrence/ cessation.	
24	**Indian Agent:**	
	a) Udupi Cochin Shipyard Ltd prefers to deal directly with the supplier. However, if the supplier appoints an Indian Agent to deal with Udupi Cochin Shipyard Ltd., the Agency commission payable by the supplier to such an agency shall be intimated.	
	b) If manufacturers affect the supply through Agents only, authorization in writing from manufacturers in favor of the Agent for supply to UCSL shall be furnished.	
	c) In case where an Agent participates a tender on behalf of a Foreign manufacturer Indian agent should submit specific authorization from the authorized person of foreign manufacturer.	
	d) In a tender, either the Indian agent on behalf of the Principal/ OEM or Principal/OEM itself can bid but both cannot bid simultaneously for the same item/ product in the same tender. If an agent submits bid on behalf of principal/OEM, the same agent shall not submit a bid on behalf of another principal/OEM in the same tender for the same item/product. Indian agents cannot represent more than one firm or quote on their behalf for any particular tender.	
	e) Clarifications, either technical or commercial, should be submitted to points specially asked for only. The opportunity so given should not be used for correcting/changing/amending the data/conditions already submitted with the tender	
	PRICING: a. Overseas firms should quote prices both on FOB and C&F Chennai Seaport terms. Indigenous bidders should quote prices for delivery of materials at UCSL stores. Insurance shall be to UCSL scope. ~~In the case of E tender C&F price shall be quoted and the freight charges shall be indicated separately under header conditions as per the provision in the CSL e-tender portal.~~	
	b. Exchange rate variation will not be applicable and the prices shall be fixed for an order within validity period in the case of indigenous/ import orders.	
	c. Offer to be submitted in EUR/USD/INR currency Generally. Indian Firms shall quote in INR only.	
	d. Comparison of prices will be in INR only. All foreign currencies will be converted to INR for comparison and Exchange rate as on date of price bid opening shall be considered for arriving lowest bid	
	e. Prices should be valid for acceptance for a period of four months from the date of tender opening.	
	f. No enhancement of rate for whatsoever cause will be allowed once the offer is accepted and an order is placed. Withdrawal of the quotation after it is accepted or failure to make the supply within the stipulated delivery period, will entail cancellation of the order and forfeiture of Earnest Money Deposit/Security deposit, if any and/or risk purchase, without prejudice to other penal actions, including tender holiday after serving show cause notices, as deemed fit.	
	g. Conditional discounts, if any, will not be reckoned for tender evaluation/ comparison purpose. However, if the bidder becomes L1 at original offer, conditional discount shall also be considered.	

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General Terms and Condition		Annexure 2
SL NO	Description	Compliance by Supplier (YES/NO) In case of non-compliance, please provide remarks.
25	**h. Unpriced bid (price bid without price) duly signed is to be submitted along with techno-commercial offer in the price format, provided. Price should be quoted separately for each item shown in the format. In the event price bid is different from the unpriced format already submitted, yard reserves the right to reject the offer at our discretion without any further discussions. Details of optional items, if any, should be indicated under separate heading in the Techno commercial bid and the respective price details should also be given in the price bid. Combining of figures against more than one item and ambiguous clauses will lead to rejection of the bid.**	
	i. If, in the price structure quoted for the required material/ item, there is discrepancy between the unit price and the total price (which is obtained by multiplying the unit price by the quantity), the unit price shall prevail and the total price corrected accordingly. If there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected. If there is a discrepancy between words and figures, amount in words of respective figures shall prevail. If the bidder does not agree to the observation of the UCSL, the tender is liable to be rejected and the same shall be intimated.	
	j. After submission of quotation/price offer no unsolicited correspondence will be entertained.	
	k. Udupi Cochin Shipyard Limited does not bind itself to accept the lowest or any tender but reserves to itself the right to reject any or all or a part of any tender at its discretion.	
	l. UCSL reserves the right to place order to the techno-commercially qualified lowest bidder in full or individual items to the respective lowest bidders in the tender (except in cases where basis of L1 arrival is declared specifically in enquiry). Also please refer loading applicable for order of value more than 20 lakhs (Clause 17 b)	
	m. In the case of part quantity order, the quoted freight charges applicable for the entire quantity as per enquiry shall be apportioned and allocated.	
	L1 computation shall be based on total cost of all items, including cost of spares as per tender & Class/certification charges, if any required (excluding GST/IGST). For all import consignments directly imported in UCSL's name/or on High Seas Sale agreement, customs duty is not applicable at import clearance. Customs clearance at Chennai port and transport till UCSL stores shall be to UCSL account.	
26	**Integrity Pact**: As per Government of India (Central Vigilance Department), UCSL and the SUPPLIER have to sign an Integrity Pact for the high value contracts, for ensuring transparency, equity and competitiveness in public procurement. The Tenderer has to sign Pre-Contract Integrity Pact as per format enclosed and to submit along with your offer. The above is applicable when the total basic price is above Rs. 100.0 lakhs. (present limit)	
27	**Grievance Redressal Committee:** As an alternate dispute redressal or reconciliation mechanism (other than arbitration clause), Cochin Shipyard has constituted Grievance Redressal Committee. Currently following executives of the committee may be contacted for the settlement of disputes, if any, arising out of all contracts. a) Mrs. Anjana KR, GM (Design) b) Mr.Subramanian K K, Deputy General Manager (HR) c) Mr. Shibu John, Deputy General Manager (Finance)	
28	**SUB CONTRACTING AND ASSIGNMENT** Supplier shall not contract with any subcontractor and/or vendor without the prior written consent of UCSL. Such consent shall not relieve the Supplier from any of his responsibilities and liabilities under the Purchase Order. In addition, Supplier 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.	
29	**General:** a. Prior to price bid opening, UCSL is at liberty to take the credit rating of bidders at our cost on case to case basis, and to include the same during the evaluation of the tender.	
	b. Deviations, if any in the techno-commercial offer from that of the tender enquiry in any form should be clearly furnished in a separate document titled as "List of Deviations", failing which it will be presumed that all the terms and conditions are acceptable.	
	c. 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. Date of opening of the price part will be intimated to those firms whose Techno-commercial bids would be acceptable after the evaluation. Suppliers are allowed to depute their authorized representative to be present at the time of opening of Price Bid of their tender only. ~~In case of E-Tender , suppliers shall not depute their representative to CSL. However techno-commercially qualified supplier can view the price details in CSL E-procurement portal after opening the price bid~~	
30	**P.O**:- a. In the event supplier's offer leads to an agreement to effect supplies, a formal purchase order shall be issued by UCSL on the basis of agreed terms and conditions of tender.	
	b. Upon placement of order (by post or mail) the supplier shall submit the acknowledgement (ie: signed and stamped original/ scanned soft copy by mail) as a token of acceptance of order within 5 days. In case UCSL doesn't receive the above, it will be deemed as accepted.	
	c. Supplier shall submit monthly progress report on the ordering status of raw materials, construction progress of the items ordered by UCSL, supporting with photo evidence.	
	SUPPLY: - a) UCSL reserve the right to inspect the goods after receipt at UCSL store / prior to dispatch (by UCSL or UCSL authorized agency at yard cost). Short supply / Mismatch / Replacement of Defective items / those not meeting agreed / contractual specification/ Items failing during commissioning shall be sent on air freight/ DDP basis courier freight prepaid/delivered at UCSL store. The customs clearance charges of above shall be to supplier account.	
	b) Replacements during guarantee period to be sent on Duty and all taxes paid basis to location as required by yard/vessel owner with all expenses to supplier account.	

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31	c) Defective items, if any, after receipt shall be sent back on cost, carriage, handling and insurance prepaid basis including re-export (wherever desired by supplier) to be arranged by supplier. Defective items shall be returned after receipt of replacement item. Supplier shall replace all/ part of items as applicable, in case of rejection, within 4 weeks of reporting the defect, without any additional cost to UCSL. In case the defective materials are not taken back within the said period, UCSL reserves the right to dispose the same without further intimation.	
	d) The supplier shall compensate UCSL for loss on account of shortage in quantity and number of pieces received than that indicated in the bill of lading provided the UCSL's claim is rejected by the insurance due to any fault of supplier. Such claims, if any, shall be supported by recognized surveyors report. The supplier shall also compensate for losses, if any sustained by the UCSL due to defective packing and/or marking of the goods not in accordance with the terms of contract. The time limits for filing claims under clauses above shall be generally 180 days from the date of complete discharge of goods.	
32	UCSL reserves the right to alter, modify the scope of supply at its discretion and in consistent with the policy of the Government of India and statutory bodies under them as applicable to the contract from time to time.	
33	UCSL shall, at its own discretion and costs opt for obtaining credit information report on supplier's financial credentials through credit rating firms. The same shall also be considered as criteria for commercial evaluation. In the event supplier's credit rating is not at least satisfactory, offer will be summarily rejected.	
34	Public procurement policy as per order No. D.O. No. P-45021/2/2017-PP (BE-II) (E-1588) by Department for promotion of Industry and Internal Trade Ministry of Commerce & Industry is applicable for this tender	
35	UCSL reserves the right to commercially reject the offer if compliance is not issued to terms at Sl. No.14, 15, 16, 17 & 18 without any further clarification / notice / communication in this regard from M/s. Udupi Cochin Shipyard Ltd., even though the offer is technically acceptable.	
36	~~UCSL has an option of receiving 3 more similar projects within31st december 2024 and upon exercise of this option, yard will confirm the same quantity of item to supplied within 31st december 2024 or earlier. Therefore the price offer shall consist the prices for current projects as well as the discounted prices applicable for these optional projects with validity to confirm the order till 31st december 2024. However the L1 determination shall be purely based on current confirmed quantity.~~	
37	Restriction of bidders sharing land border with India vide Office memorandum dt 23.7.2020 Order - Public Procurement no 1 dt 23.7.2020, Order no 2 dt 23.7.2020 and Order no 3 dt 24.7.2020	
A	Requirement of registration	
1	Any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with competent authority as per C below. In works contracts, including turkey contracts, contractors shall not be allowed to sub contract works to any contractor from a country which shares a land border with India unless such contractor is registered with Competent authority. Relevant certificate to be submitted by bidder from a country which shares land border with India except for bidders to which Govt of India has extended lines of Credit or in which Govt of India has development projects, along with the offer as proof of registration with competent authority, failing which the offer will not be considered. A certificate is to be submitted by the bidder for compliance with the order referred above along with tender documents for consideration of offer (Wordings are as per Clause below). If such certificate given by a bidder whose bid is accepted is found to be false, this would be a ground for immediate termination and further legal action in accordance with law.	
2	Wordings of certificate to be submitted along with tender documents for Works involving possibility of sub contracting	
3	I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and on sub contracting to contractors from such countries. I certify that this bidder is not from such a country or if from such a country has been registered with the competent authority and will not subcontract any work to a contractor from such countries unless such contractor is registered with the competent authority. I hereby certify that this bidder fulfils all requirements in this regard and is eligible to be considered(Evidence of valid registration by the competent authority shall be attached wherever applicable)	
B	Validity of registration	
1	Registration should be valid at the time of submission of bids and at the time of acceptance of bids. In respect of supply otherwise than by tender, registration should be valid at the time of placement of order. If the bidder is validly registered at the time of acceptance /order placement, registration shall not be a relevant consideration during contract execution.	
C	Competent authority and Procedure for registration	
1	The competent authority for the purpose of registration under the order shall be Registration committee constituted by the Department of Promotion of Industry and Internal Trade (DPIIT). Details of the committee and procedure for registration and restrictions shall be as per Ann I of the Order - Public Procurement no 1 dt 23.7.2020 issued by Ministry of Finance, department of Expenditure.	
D	Definition of Bidder and Bidder from a country sharing land border with India	
1	Bidder is defined as any person or firm or company including any, member of a consortium or joint venture, every artificial, juridical person not falling in any of the descriptions of bidders stated hereinbefore, including any agency, branch or office controlled by such person, participating in a procurement process.	
2	"Bidder from a country which shares a land border with India" for the purpose of this Order means:-	
	a) An entity incorporated, established or registered in such a country; or	
	b) A subsidiary of an entity incorporated, established or registered in such a country; or	
	c) An entity substantially controlled through entities incorporated, established or registered in such a country; or	
	d) An entity whose beneficial owner is situated in such a country; or	
	e) An Indian (or other) agent of such an entity; or	
	f) A natural person who is a citizen of such a country; or	

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	g) A constitution or joint venture where any member of the consortium or joint venture falls under any of the above.	
3	Type of business entity (Private Limited Company/ Public Limited Company/ Sole Proprietorship/ One Person Company/ Partnership/ Limited Liability Partnership/ Joint Venture/ Trust/ NGO) In case of incorporated entity - to attach certificate of incorporation	
4	Beneficial Owners - as defined in the Department of Expenditure Order (Public Procurement No.1) issued vide No. F.No.6/18/2019-PPD dated 23rd July, 2020. Details of all beneficial owners having entitlement of more than 01% of shares or capital or profit to be given, in the format as given in Annexure-I duly certified by practicing Chartered Account in India.	
38	**Preference to Make in India** Purchase preference in accordance with Public procurement (Preference to Make in India Order - 2017) Order from Department of Promotion of Industry and Internal Trade P - 45021 /2/2017/- B.E -II dt ,4.6.2020 and as amended from time to time shall be applicable as per below In the procurement of all goods/services/works in respect of which there is sufficient local capacity/local competition, only Class I Local suppliers shall be eligible to bid irrespective of purchase value In the procurement of all goods/services /works which are not covered as above and with estimated value of purchase less than Rs 200.0 Crores, only Class I local suppliers along with Class II local suppliers shall be eligible to bid.	
39	**Purchase preferences for Class I local suppliers**	
A	In the procurement of goods/works covered under above and which are divisible in nature, Class I local supplier shall be eligible for Purchase preference over Class II/Non local supplier as per following	
B	If L1 bid is not a Class I local supplier, 50% of the order quantity shall be awarded to L1. Thereafter the lowest bidder among Class I local supplier will be invited to match the L1 price for the remaining 50% quantity subject to Class I local supplier quoted price falling within 20% margin. Contract for that quantity shall be awarded to such Class I local supplier subject to matching L1 price. In case such lowest eligible Class I local supplier fails to match L1 price or accept less than offered quantity, next higher Class I local supplier within 20% margin shall be invited to match the L1 price for the remaining qty and so on. If some quantity is left uncovered on Class I local supplier, such balance quantity shall be ordered on L1 bidder.	
C	For procurements that are not divisible in nature and in procurement of services evaluated on price alone, Class I local supplier shall get purchase preference over Class II/Non local supplier as per below	
D	If L1 is not a Class I local supplier, lowest bidder among Class I local supplier will be invited to match L1 price subject to Class I local supplier quoted price falling within 20% of L1 price and contract will be awarded to such Class I local supplier, subject to matching L1 price. In case such lowest eligible Class I local supplier fails to match L1 price, procedure same as para 3 above will be opted. In case none of Class I local suppliers within 20% margin matches L1 price, contract shall be awarded to L1 bidder. The purchase preference as above will be only for Class I local supplier and Class II local supplier will not be eligible for any Purchase preference	
E	Local content requirement to categorize a supplier as Class I/Class II/Non local supplier shall be as per below. Definition of local content shall be as per order dt 4.6.2020 ie amount of value added in India which shall be the total value of the item procured (excluding net domestic indirect taxes) minus the value of import content in the item (including all customs duties) as a proportion of total value in percentage.	
F	Class I -Local content equal to or greater than 50%	
G	Class II-Local content greater than 20%, less than 50%	
H	Non local -Local content less than 20%	
40	**Declaration of local content**	
A	Class I local supplier /Class II local supplier at the time of tender shall indicate % of local content and provide self-certification that offered item shall meet the local content requirement for Class I/Class II as applicable including details of locations at which local value addition is made.	
B	In case of procurement for a value in excess of Rs 10.0 Crores Class I/Class II local supplier is to provide a certificate from statutory auditor/cost auditor (for companies) /practicing cost accountant/Chartered accountant (suppliers other than companies) indicating % of local content	
C	Verification of the Certificates issued by the bidder shall be carried out by CSL on random basis. False declarations will attract actions as stipulated in the order referred, including other actions as permissible by law.	
D	Exemption is applicable from provisions of order for purchases with estimated values less than Rs 5.0 lakhs	
E	Notwithstanding above, exemptions for meeting local content as per relevant Clause of order dt 4.6.2020 and as amended from time to time shall apply.	

Note: Statement striked out is not applicable.

Annexure - 3

PRICE BID FORMAT

Tender Enquiry No: UCSL/MAT/PROJ/2026-27/2170
Vessel/Project:UY193-UY196(BY172-BY175)

Tender Enquiry Date: 27 Nov 2026

SL. NO	DESCRIPTION	Qty for 01 shipsets	Total Qty (04 Shipsets)	UOM	Unit Rate	Total Price
			(a)	(b)	(c)	(a) × (c)
1	**Instrumentation of P & ID**					
	High Level Sensors(IP68)	25	100			
	Low Level Sensors(IP68)	11	44			
	Pressure Sensors	2	8			
	Temperature Sensors	4	16			
	High Temperature Sensors(IP68)	2	8			
	Liquid Level-Remote	13	52			
	Flow Switch	3	12			
	Solenoid Valve Sensor	2	8			
	TOTAL BASIC PRICE FOR 04 SHIPSETS					
2	Inspection charges as per PTS (if any)		4	SHIPSETS	**To be included**	
3	Packing & Forwarding Charges / FOB Charges		4	SHIPSETS	**To be included**	
4	Freight Charges		4	SHIPSETS	**To be included**	
5	Other Charges, if any (specify)					
6	Transit Insurance and Unloading Charges			BY UCSL		
7	GST (as applicable)					
8	Currency Quoted					
9	HSN CODE					
10	Total Order value for 04 Shipsets (C&F CHENNAI SEAPORT / FOR UCSL STORES PRICE)					
11	Delivery Period required at UCSL stores			**Material required date at UCSL, Kochi Unit is** 1) UY193/BY172 - 15 Mar 2027 2) UY194/BY173 - 15 Apr 2027 3) UY195/BY174 - 15 May 2027 4) UY196/BY175 - 15 Jun 2027		

Signature :
Name & Address of the firm :

Important Note:

1. Un-priced Bid, to be submitted along with techno commercial bid with details like percentage of taxes & duties applicable and showing whether "Amount quoted/ Nil/ Included/ By UCSL" against respective column. Confirmation regarding exercising the option shall be provided during finalization of the purchase order.

Annexure 04

BANK GUARANTEE IN LIEU OF SECURITY DEPOSIT/

WARRANTY GUARANTEE

To

UDUPI COCHIN SHIPYARD LTD

(Formerly Tebma Shiyards Limited

MALPE HARBOUR COMPLEX, MALPE, UDUPI - 576108.

WHEREAS ..... (Name & Address of Supplier) (Hereinafter called "**the Supplier**") has undertaken, in pursuance of Contract..... No..... Dated: ..... to execute ..... (Name of Contract and brief description of works) (Hereinafter called "**the Contract**").

AND WHEREAS it has been stipulated by UDUPI COCHIN SHIPYARD LTD (The Buyer - hereinafter called "**UCSL**") in the said contract that the Supplier shall furnish CSL with a Bank Guarantee for the sum specified therein as security for compliance with the Supplier's obligations in accordance with the Contract.

AND WHEREAS we have agreed to give the Supplier such a Bank Guarantee.

NOW THEREFORE we ..... (Name of the Bank) having its Head Office at ..... (Address of Head Office) and acting through its branch office at ..... (Address of the executing branch) (Hereinafter called "the Bank") hereby affirm that we are the Guarantor and responsible to CSL, on behalf of the Supplier up to a total of ..... (amount of Guarantee) .....in words).

We, the bank, hereby irrevocably undertake to pay you any amount not exceeding in total the Guarantee Amount upon receipt by us of your demand in writing accompanied by the following documents:

1. Your signed statement certifying that the Supplier is in breach of his obligation(s) under the Contract and the respect in which the Supplier is in breach.
2. Your signed statement certifying that the Supplier has been given a prior written notice by email from you to make good the aforesaid breach and that the Supplier still failed to fulfill the Contract within 30 days of such notice. A copy of such notice given by email to the Supplier shall be attached to the demand for payment.

Any demand for payment should contain your authorized signatures which must be authorized by your bankers or by a notary public.

We, the Bank, further agree that no change or addition to or other modification of the terms of the Contract or of the Works to be performed there under or of any of the Contract documents which may be made between UCSL and the Supplier shall in any way release us

from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification. We, the Bank, further agree that any change in the constitution of the said contractor or the said bank shall not discharge our liability hereunder.

Notwithstanding anything contained herein:

1. Our liability under this Bank Guarantee shall not exceed ..... (..... only).

2. This Bank Guarantee shall be valid up to (date) and

3. We are liable to pay the guaranteed amount or any part thereof under this bank guarantee only and only if UCSL serve upon us a written claim or demand on or before .....(validity date) .

Any demand for payment under this guarantee must be received by us at this office during working hours on or before the validity date. Should we receive no claim from you by the validity date, our liability to you will cease and the guarantee will definitely become null and void whether returned to us or not.

Yours truly,

Signature and seal of the

Guarantor:.....

Name of Bank:.....

Address: .....

Date: .....

* An amount shall be inserted by the Guarantor, representing the percentage of the Contract Price specified in the Contract and denominated in respective Dollars / Indian Rupees/Other Currency.