



हुगली कोचीन शिपयार्ड लिमिटेड  
(भारत सरकार का उद्यम)  
**HOOGLY COCHIN SHIPYARD LIMITED**  
(A Govt. of India Enterprise)



वसुधैव कुटुम्बकम्  
ONE EARTH • ONE FAMILY • ONE FUTURE

Date: 12.03.2025

CORRIGENDUM NO: 1

Ref. HCSL/PUR/TEN/2025/021 dtd. 11.03.2025

**Subject:** Revision of technical specification (Annexure – 2 of original tender).

1. The Purchase technical specification Ref. **PTS-01124001-042 Rev. 01** is revised and updated to **PTS-01124001-042 Rev. 02** which will be valid with the original tender henceforth. The same is enclosed with this corrigendum.

All other terms and conditions shall remain unaltered.

For Hooghly Cochin Shipyard Limited



The Last date of bid submission is till 18<sup>th</sup> March 2025, 1500 hrs.

**\*\*Note:** Bidders has to sign and stamped this corrigendum along with updated PTS (Ref. Doc. No. **PTS-01124001-042 Rev. 02**) along with the bid.

Enclosed: Revised PTS Document No.: **PTS-01124001-042 Rev. 02**



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CIN - U35900WB2017GOI223197, GSTIN - 19AAECH3640L1ZD

Rev. No.	Pages	Description	Date	Sign.
0	07	First Issue	21-02-25	Rakesh Sagar
1	07	Sec. 6 removed & sec. 4.8 modified. 65NB valve reduced from 13 to 05 and 08 nos 50NB valve added.	04-03-25	Rakesh Sagar
2	07	Updated Sec. 4.6 for material specification	12-03-25	Rakesh Sagar

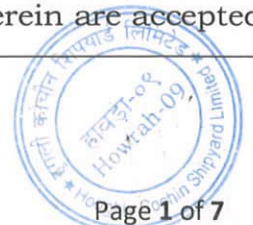


**HOOGHLY COCHIN SHIPYARD LIMITED**

**HOWRAH - 711 109**

YARD NO	01124001, 01224002, 01324003, 01424004	<b>PROJECT: 40 T BOLLARD PULL ASD TUG</b>												
OWNER	INDUSTRIAL HANDLING PRIVATE LIMITED	<b>PURCHASE TECHNICAL SPECIFICATIONS FOR HYDRANT VALVES</b>												
APPROVED	SANIL PETER													
CHECKED	VIJAY SINGH													
PREPARED	RAKESH SAGAR													
DATE	21-02-2025													SCALE: - NA
ISSUED TO	NO. DEP.													
	NO.													

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**Table of Contents**

1. Technical Specifications ..... 2

## TECHNICAL SPECIFICATION FOR HYDRANT VALVES

### **1. SCOPE OF SUPPLY:**

1.1 This document indents for the supply of MMD/CLASS Approved Valves.

### **2. QUANTITY:**

2.1 As per the Quantity Table in Annexure-1.

2.2 Valve quantity indicated above is for only one (1) vessel. The total requirement is to be considered for Four (04) vessels. The quantity may increase/decrease slightly based on the drawing approval & amendment.

### **3. QUANTITY:**

The vessels shall be built under the following flag and classifications:

Flag	:	India
Classification	:	Indian Register of Shipping.
Class notation	:	⚡ SUL ⚡ IY TUG INWATER SURVEY AGNI 1 (2400 m <sup>3</sup> /hour)
Type	:	"Indian Coastal Vessel"

### **4. CONDITIONS OF SUPPLY:**

4.1 The offer should be complete with all relevant details such as detailed technical specifications, material specifications, overall dimensions, storage/ preservation details etc.

4.2 All valves should be suitable for marine applications. The material of construction of valves should be suitable for fluid handled and as per class requirements. The body material of valves is mentioned in Annexure-1.

4.3 All flanged valves should have flanges at both ends of standard as per EN1092-1 Type 01 Flat Face. In case of any deviation with this standard, the same should be indicated in the offer.

4.4 All threaded valves should be as per ISO standard. In case of any deviation with this standard, the same should be indicated in the offer.

4.5 The minimum hydraulic inspection of the valves shall be based on the PN rating mentioned.



#### 4.6 **Hydrant valves**

Marine bronze fire hydrant valve with rising stem, screwed and secured bonnet, angled hose connection to be supplied. The hose connection shall be provided with John Morris instantaneous female coupling ends with twin twist lock.

<b>Part</b>	<b>Material</b>
<b>Body</b>	<b>Bronze (BS 1400 LG2C/4C)</b>
Disc	Brass
<b>Bonnet</b>	<b>Bronze (BS 1400 LG2C/4C)</b>
Stem	Brass
Gasket	NBR
Hand Wheel	Nodular cast iron
<b>Coupling</b>	<b>Single Coupling Bronze (BS 1400 LG2C/4C)</b>
<b>Cap</b>	<b>Bronze (BS 1400 LG2C/4C)</b>

- 4.7 All valves should be approved by MMD/IRS.
- 4.8 The face to face and center to face dimensions of valves shall be followed as per EN558 standard. In case of any deviation with this standard shall be mentioned in the technical offer.
- 4.9 All Valve testing shall comply to EN12266-1 Standard. In case of any deviation with this standard shall be mentioned in the technical offer.
- 4.10 The manufacturer's test certificate also to be provided for each consignment of material. All items shall be inspected by Hooghly Cochin Shipyard's representative, or a third party authorized by Hooghly Cochin shipyard Limited.
- 4.11 In case of any deviation with these conditions of supply, the same should be clearly indicated in the offer.

## 5. Guarantee

The items supplied 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.

## 6. Environmental Conditions

The supplied valves should be designed for use in ambient conditions as mentioned below:

Sea water temperature	:	max. 32° C min. 5° C
Air temperature outside	:	max. 40° C min. 10° C
Relative Humidity	:	max. 90% min. 50%
Engine Room temperature	:	50° C

List, rolling, trim and pitch according to limits as per Class

## 7. Supply of Documents

All documents shall be in English and in SI unit system and the following documents shall be submitted, where applicable. The drawing approval where required by the Classification Society shall be obtained by the manufacturer.

### 7.1 Documents to be submitted along with offer

- Preliminary dimensional drawing of valves along with valve model number (if any), test pressure, material of body and internal items etc.
- Technical datasheet / Valve catalogue
- Weight

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

- Final dimensional drawing of valves indicating Open and Closed Position
- Valve model number (if any), test pressure, material of body and internal items etc.
- 'K' factor / Pressure drop across the valve
- Technical datasheet / Valve catalogue
- Weight

Original plus 3 copies of material/chemical composition and mechanical test certificate shall be furnished at the time of supply of the item. For Class approved Valves, the class certification should be submitted.



## **General Remarks**

a) **Tally Plate**

Identification markings/ tally plate to be provided showing the type of valve, material, nominal bore, pressure rating, test pressure and manufacturing process as applicable and as per manufacturer's standard. The details should be clearly visible and indicated in English and in SI unit.

**HCSL will advise the identification marking/tally plate description at later stage. Vendor to request HCSL for details before valve manufacturing starts/supply.**

b) **Preservation**

- i) Each valve shall be cleaned, prepared & suitably protected for dispatch in such a way so as to prevent ingress of moisture and contamination during transportation & storage.
- ii) The machined surface of fittings is to be suitably protected against mechanical damage during shipment & storage.

**8. Compliance**

The vendor should comply all the points mentioned in this document. Deviations from the Technical specification shall be specifically indicated.



**ANNEXURE 1**

**Notes:**

All Valves are manually operated only.

<b>40 T BP TUG_VALVE DETAILS (IRS APPROVED) FOR 01 VESSEL</b>										
<b>Sr. No</b>	<b>Type</b>	<b>Size (NB)</b>	<b>End Connection</b>	<b>Body Material</b>	<b>Class</b>	<b>Pr. Rating</b>	<b>IRS Approval</b>	<b>FTF</b>	<b>Qty/ Vessel (Nos)</b>	<b>Remarks</b>
01	HYDRANT (Refer 4.6)	65	Flange	Bronze	III	PN10	IRS/MMD Type Approval	-	05	
02	HYDRANT (Refer 4.6)	50	Flange	Bronze	III	PN10	IRS/MMD Type Approval	-	08	

