

**The Shipping Corporation of India Ltd., Mumbai**  
**BULK CARRIER AND TANKER DIVISION**

08<sup>rd</sup> April ' 2025

**Sub: M.T. Swarna Sindhu - Requirement of Dry-dock Paints**

Captioned vessel is scheduled to dry-dock in CSL, KOCHI during the 3<sup>rd</sup> week of July 2025. You are requested to arrange dry docking paints on the basis of the painting scheme (3 yearly) and areas mentioned hereunder.

**1. Hull (Topside):** Total area 3210 M<sup>2</sup>

Area to be blasted SA 2.5-1500 M<sup>2</sup>, SA 1.0- 1500 M<sup>2</sup>, Sweep Blasting 0 M<sup>2</sup>

On blasted area and grit swept area:-

- a. Two coat T/up with **Epoxy primer** 100 Mic. DFT (each), Area -3000 M<sup>2</sup>
- b. All over 2 full coat **Epoxy mastic top side finish** black 50 Mic. DFT (each), Area - 3210 M<sup>2</sup>

**2. Hull (Vertical bottom Area):** Total area Vertical bottom 7220 m<sup>2</sup>

Area to be blasted SA 2.5 - 5000 M<sup>2</sup>, SA 1.0 - 1220 M<sup>2</sup>, Sweep Blasting – 1000 M<sup>2</sup>

On blasted area and grit swept area:-

- a. One coat T/up pure epoxy primer 150 Mic. DFT – Area 7220 M<sup>2</sup>
- b. One coat T/up Epoxy tie coat 125 Mic. DFT – Area 7220 M<sup>2</sup> 2<sup>nd</sup> coat 100 Mic. DFT.
- c. Two full coat TBT free SPC **Low friction antifouling A/F** for a period of 3 years - 75 Mic. DFT (Vertical Bottom) – Area 7220 M<sup>2</sup> (each)

**3. Hull (Flat bottom):** Total area Flat bottom 5800 m<sup>2</sup>

Area for grit sweep blasting- 2000 M<sup>2</sup>, Blasting Area to SA 2.5 standard – 1800 M<sup>2</sup>  
SA 1.0 – 2000 M<sup>2</sup>

On blasted area and grit swept area:-

- a. One coat T/up pure epoxy primer 150 Mic, Area – 5800 M<sup>2</sup>
- b. One coat T/up Epoxy tie coat 125 Mic. DFT. Area – 5800 M<sup>2</sup>
- c. Two full coat TBT free SPC **Low friction antifouling A/F** for a period of 3 years - 75 Mic. DFT (each)

**NOTE:** Final coat of SPC **Low friction anti fouling (TBT free)** on flat and vertical bottom should be Red Brown in shade.

**4. Hull Markings:**

- a. All shipside markings i.e. draft marks, name (English and Hindi), freeboard, plimsol marks, bow emblem, tug marks etc. Coat to be Epoxy – require 100 Ltrs, Acry White.
- b. Helicopter winching zone final coat to be painted with epoxy yellow – require 40 Ltrs.
- c. Solvent free epoxy filler – require 3 kg in 1 Kg packs.



5. **Weather Deck** –Total area 12910 M<sup>2</sup> (flat deck) + 4040 M<sup>2</sup> (structures). Area for sweep blasting 5000 M<sup>2</sup>.

- a. Two coat T/up Epoxy primer 1<sup>st</sup> coat 75 Mic DFT , 2<sup>nd</sup> coat 100 Mic DFT.  
Area – 7200 M<sup>2</sup> (each)
- b. One full coat polyurethane finish deck green 75 Mic. DFT. Area – 12910 M<sup>2</sup>

6. **Chain Lockers and anchor/cable**

- a. Two anchor chain lockers (area 200 M<sup>2</sup> each) with one coat coal tar epoxy finish paint (shade Black/Brown)
- b. Anchor cable 12 lengths & 13 lengths (each of 27.5 mtr length) with one coat bitumastic paint – 300 ltrs
- c. Marking of anchor cable, Chlorinated Rubber Red 20 ltrs and White 100 Ltrs.

7. **Superstructure:** Front and both sides of superstructure including underside of bridge wing , Lifeboat Davits (approximate area 4000 M<sup>2</sup>).

SA 2.5 – Blasted & power tooled. Area – 500 M<sup>2</sup>, SA 1.0 – Blasted & power tooled.  
Area – 500 M<sup>2</sup>. Sweep Blasting – 1000 M<sup>2</sup>.

2 coat of Epoxy primer 75 Mic. DFT (each), Area – 2200 M<sup>2</sup>(each), 1 coat of Touch up polyurethane finish white 75 Mic DFT. Area – 4040 M<sup>2</sup>

8. **Deck Pipelines (viz Cargo, IG, Foam/Fire, Bunker Pipelines) and stools:** Total area about 3,000 M<sup>2</sup>. (Area for power tooling approximately 1500 m2) SA 2.0 power tooling ST3.0. Grit blasted – 1000 M<sup>2</sup> (approx).

- a. One coat T/up Epoxy primer 75 Mic. DFT, Area – 2200 M<sup>2</sup>
- b. One coat T/up Epoxy primer 100 Mic. DFT, Area – 2200 M<sup>2</sup>
- c. One full coat Polyurethane finish green 100 Mic. DFT, Area – 3000 M<sup>2</sup>

9. **Paint touch up in Ballast Tanks:** Approximately 4200 M<sup>2</sup> area in ballast tanks to be touched up with 2 coats (125 Mic. DFT each of Tar free epoxy Grey). Final area to be ascertained after Class Surveyor's inspection.

10. **Paint touch up in Fresh Water Tanks:** - 100 ltrs for touch up paint work (Solvent free epoxy 300 Mic. DFT). Total area of FW tanks is 201 M<sup>3</sup>

11. **Engine Room bilges / lines painting / Bulkhead:**

Approximately 950 M<sup>2</sup> area below the floor plate to be coated with one coat (125 Mic. DFT) of finish grey paint.

12. **Cranes, Masts :**

Approximate area 350 M<sup>2</sup> for Midship & Provision Crane, Foremast and Main Mast, Engine Room blowers and mushroom vents - One coat of Polyurethane finish buff.

- b) 80 Ltrs Polyurethane finish white for Midship store on main deck .



**13. Ship's Funnel:**

Ship's funnel to paint with heat resistance black finish, 400 ltrs and HR aluminum 40 ltrs.

**14. Accommodation Ladder:**

Hold Aluminum finish 200 ltrs.

**15. Bollards / bits etc:** Epoxy Black 200 Ltrs.

**16. Paint Touch up in Cargo oil Tanks:**

1 coat of epoxy primer 75 Mic DFT, 2 Coats of pitch urethane point 125 Mic DFT (each).

**17. Special paint for Impressed Current System Titanium Anodes area – 20 Ltrs.** Area of di-electric shield (Epoxy putty 2 mm thick). Area is blasted to SA2.5 before application.

**18.** Thinner for all above paints to be arranged as required.

**19.** In addition to the paint requirement as above, sea stock paints will be supplied on board prior departure of the vessel from the yard and firm quantity will be intimated in due course.

**Nominated paint supply may please be instructed that:**

- Supplier shall make arrangements to collect all unused paint;
- Supplier shall ensure that duly qualified technical supervisor of the paint supplier is in attendance during the vessel's surface preparation and painting operations; during the entire period. Supervisor preferred to be Indian in order to avoid communication gap. Adequate drying time as per requirements is to be ensured and the surface preparation / painting will be done as per the guidance of paint inspector.
- Pneumatic stirrers are to be used and paint wastage / left over paints in drums if any will be on suppliers account.
- All paint shall be applied by airless spray, free of sags and runs;
- Tin free SPC Low Friction anti fouling paint should be of best quality so as to provide protection for at least **36 months in service;**
- Low Friction anti fouling paint should be such as to enhance speed & Performance of the vessel to meet CII requirement.
- Hull roughness measurement (AHR) before blasting and after final painting shall be arranged by supplier. Suppliers should ensure proper drying of paints strictly as per the specified drying period.
- Supplier shall provide Attending Superintendent and Master with a copy of Technical Data Sheet for all product / paint supplied for use, at the commencement of the dry-docking period.

- Thinners to be provided as required for mixing with the paints as stated in the scheme.
- Paints supplied to be of class approved in order to comply with MARPOL Requirement.

*Yelga*  
*10/8/25*

*[Signature]*

SM-TT2

*Lt*  
*9/4/25*

DGM, I/C (TT2) Pls.

GM(TT) Pls.

*J-P*  
*16.04.25*

GM (Purchase) Pls.