

GRSE Ltd. FOJ	<b>STATEMENT OF REQUIREMENTS FOR SURFACE PREPARATION AND OIL SMEARING OF FO TANKS - YD. 3025 &amp; YD. 3026</b>	SOR No. SOR/SVL/FOT/3025-26 Sheet 1 of 4
Yard No.: 3025 & 3026 Group MFOS		Details : As per Customer Specs
Inspection: Berth/GRSE (QA) / WOT	Prepared by: SS Mukherjee (MFOS)	Checked: AGM(Engg) DATE:12 Dec 22

### 1. **Intent**

It is the intention of GRSE to outsource cleaning, surface preparation and oil smearing of FO Tanks onboard Yard 3025 & Yard 3026. List of tanks and areas are placed at **Enclosure-1**.

2. **Pre-Qualification Criteria**. Vendor should have previous experience of having successfully completed similar jobs or job of system coat painting of ship (internal compartments or outer hull structure) or surface preparation/ paint application of equipment seats for at least 02 sea going vessels in any Shipyard in last 4 years. Documentary proof viz. WDC with corresponding PO for the same will have to be submitted during TNC meeting.

### 3. **Contractors Scope of work**

- a) Obtaining certificate from Safety Dept. before starting the work inside tank.
- b) Cleaning of tanks as listed post clearance from GRSE as per following procedure:
  - (i) Surface preparation by mechanical means to achieve ST3 standards.
  - (ii) Pencil grinding of corners.
  - (iii) Air blowing through all holes / valves /openings.
  - (iv) Sanding & hand cleaning as required.
- c) Offering the cleanliness inspection to GRSEQA through Quality Management System under intimation to Shipyard.
- d) Application of coating of OM 750 Pattern No. 9150-000058 on internal surface of tank upon clearance from GRSEQA and WOT(Kol) after liquidation of observations (and getting clearance) if any.
- e) Offering the final inspection to GRSEQA under intimation to Berth.
- f) Liquidation of observations, if any.
- g) Final manhole box-up on clearance from GRSEQA and WOT(Kol).
- h) All in-way work for successful completion of the job is to be undertaken by the contractor

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5. **Scope of Supply.**

**GRSE-** Light, Ventilation, Compressed air, Power/ Electricity, Oil OM 750 (Pattern No. 9150-000058). For ventilation, blower will be issued through dealing officer/ PL/ PCO from L&W department. Rest arrangement to be made by the vendor.

**Contractor-** Cotton jute, old cotton cloths, all tools and tackles, spanners, service fasteners, Emery paper, power tool (min 08 nos.) with wheel guard, all safety gears, detergent solution, etc. Hand lamp with protective cover. All equipment mobilized should meet IS standards. Any consumables which is not mentioned in GRSE scope will be within the scope of Contractor.

6. **Commencement of work.** Work should start immediately after getting the PO/ LOI or site clearance given by competent authority. The work will be required to be carried out in GRSE FOJ /MAIN / RBD /NSDD KoPT.

7. **Inspection authority.** GRSE QA/ Berth/ WOT(Kol).

8. **Manpower.** Contractor should employ sufficient work force including supervisor for execution of the work. Contractor should undertake that these operative will not be withdrawn during execution of work for any other work thereby jeopardizing the production schedule of Yard 3025 /Yd.3026. In case such a requirement becomes essential, the contractor will obtain written permission of GRSE Project Leader.

10. Vendor will be required to deploy manpower in overtime or Sundays/ holidays to meet production schedule. Vendor is also to manage deployment of infrastructure based on the slots decided as per production schedule with advanced notice.

11. **Safety.** All the safety guidelines for on-board work and other statutory requirements for working inside the GRSE are to be strictly followed. The sub-contractor shall comply with all safety requirements in and around the workplace. They shall arrange PPE for their personnel.

12. Use of industrial type electrical extension boards fitted with industrial plug and socket with MCB in conjunction with RCCB is mandatory. Use of damaged switch board and extension board is strictly prohibited onboard.

13. Grinding work without wheel guard on grinding machine is strictly prohibited. During grinding or buffing, no erosion of mother material of tank boundaries and inside tank members (pipes/ stiffeners etc.) is to be ensured.

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14. **Completion of Job:** Job of each ship to be completed within 40 days.

15. **Quoting / Mode of Payment.**

(a) Price to be quoted for the total job including GST, with indication of per square meter rate without GST, in the price break-up. Ship wise quantity for the service will be as follows\_

Sl.	WORK DESCRIPTION	QTY (Sq M)	Rate /UOM (in Rs. without GST)	Rate /UOM (in Rs. with GST)	Amount for 7761 M <sup>2</sup> (in Rs. with GST)
1	SURFACE PREPARATION AND OIL SMEARING OF FO TANKS YD.3025	3606	-	-	-
2	SURFACE PREPARATION AND OIL SMEARING OF FO TANKS YD.3026	4155			
<b>Total =</b>		<b>7761</b>			

(b) GRSE reserves the right to offload the complete work package to one or more than one vendor separately for meeting the production schedule. In case work is offloaded to more than one vendor, minimum order quantity would be 1000 Sq M.

(c) In case Contractor on whom PO is placed is found to be not performing satisfactorily, his/her work PO can be short closed and job executed through other vendors under risk and cost.

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Enclosure-1

<b><u>Detailed List of Tanks and Areas indicating Quantity of Yd.3025</u></b>		
<b><u>Diesel oil tanks (Oil smearing)</u></b>		<b><u>AREA IN SQ M</u></b>
1	FO Tank-2	215.73
2	FO Tank-3	237.2
3	FO Tank-4	237.2
4	FO Tank-5	240.01
5	FO Tank-7	601.87
6	FO Tank-8	601.87
7	FO Tank-9	303.09
8	FO Tank-10	303.09
9	FO Tank-11	253
10	FO Tank-12	280
11	MER FO Ready to Use Tank (P)	39.44
12	MER FO Ready to Use Tank (S)	39.44
13	FO Overflow Tank	161.1
14	Emergency DA FORU Tank	10.4
15	FO Filling Trunk (Fwd DA)	41.1
16	FO Filling Trunk (MER)	41.1
<b>TOTAL</b>		<b>3605.64</b>

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**Detailed List of Tanks and Areas indicating Quantity of Yd.3026**

<b><u>Diesel oil tanks (Oil smearing)</u></b>		<b><u>AREA IN SQ M</u></b>
1	FO Tank-1	215.73
2	FO Tank-2	215.73
3	FO Tank-3	237.2
4	FO Tank-4	237.2
5	FO Tank-5	240.01
6	FO Tank-6	240.01
7	FO Tank-7	601.87
8	FO Tank-8	601.87
9	FO Tank-9	303.09
10	FO Tank-10	303.09
11	FO Tank-11	253
12	FO Tank-12	280
13	FO Ready to Use Tank (S)	39.44
14	FO Ready to Use Tank (P)	39.44
15	FO Overflow Tank	161.1
16	DA Ready to Use Tank-3	46.7
17	DA Ready to Use Tank-4	46.7
18	Emergency FO Tank	10.4
19	FO Filling Trunk (Aft DA)	41.1
20	FO Filling Trunk (MER)	41.1
<b>TOTAL</b>		<b>4154.78</b>