

## WORK LIST/DELIVERY ORDER

MP-OPN-06, Rev No:A

Messr.

Job No. : 2689

Date : 11th July 2016

Location : Singapore IPL Anchorage

No.	Description
	<p><b><u>Subject : Stbdside Void Space Cleaning @ IPL Anchorage</u></b></p> <ul style="list-style-type: none"> <li>- To mobilize work boat, submersible pump, fuel pumping equipment and required consumable to carry our transfer of remaining HFO (est 20mt) from Stbdside void space to another tank No.3 of vessel.</li> <li>- To mobilize team of manpower to attend vessel in anchorage and to carry out subject Stbdside void space cleaning.</li> <li>- To provide required tools &amp; consumable such as cotton rags, dbl layer disposal bags, scrapper, pans, drums, rubber glove, disposable toch light etc to effect cleaning works in situ.</li> <li>- To safe pack collected sludge/oil residue into disposal bags and arrange for disposal to shore facilities.</li> <li>- Land transportation for manpower to n fro boarding pier.</li> <li>- Sea transportation for manpower to n fro vessel in anchorage.</li> </ul> <p><b><u>Remarks :</u></b></p> <ul style="list-style-type: none"> <li>- Upon attendance on board &amp; inspection in situ, void space was found est 80mtr in length, without division and oil contaminated up to 80+mtr length.</li> <li>- Common Longi BHD in excess of around 80mtr is also insulated and insulation oil soaked about 500mm H, some pipes &amp; valves insulation are also affected .</li> <li>- Some scrap metals and garbages were found in void space as well.</li> <li>- Mobilized for provision of additional consumable, chemical degreaser, H/P washing machine and IBC cubic containers on board vessel in anchorage.</li> <li>- To carry out collection and transfer of scrap metals and garbages out from void space.</li> <li>- To carry out cutting removal and packing of contaminated debris &amp; oil soaked insulation <u>  3  </u> cbm.</li> <li>- To remove 'Walkway Plating' and remove oil residue/sludges by scooping &amp; scrapping <u>  5  </u> cbm.</li> <li>- To apply heavy duty degreaser chemical and carry out H/P washing.</li> <li>- To Pump out washed oily water from void space &amp; transfer to IBC container total <u>  3  </u> cbm.</li> <li>- To carry out drying of void space &amp; collection of oily/washed water soaked insulation/debris.</li> <li>- To arranged for disposal of packed oil residue/sludge, oily water &amp; oil contaminated insulation material/debris to shore approved facility.</li> <li>- Mobilization/operation were pro-longed due to above additional requirement &amp; de-mob on 13th July evening.</li> </ul>