Clarification 1
B/22/2026 - REPAIRING OF TANK NOS. 30, 38 & 39 AT UPPER TANK FARM CHINABAY, TRINCOMALEE
Date - 2026/04/23

<table>
<tr><th>Item</th><th>Querry</th><th>Answer by CPC</th></tr>
<tr><td>1</td><td>Please provide us the steel material grade of existing tanks (bottom, shell, roof..etc)</td><td>
Table 01 - Chemical Composition(% by mass)
<table>
<tr><th>Item</th><th>C</th><th>Si</th><th>Mn</th><th>Cr</th><th>Al</th><th>Ni</th><th>S</th><th>P</th><th>Cu</th><th>Fe</th></tr>
<tr><td>Roof and bottom plates</td><td>0.15</td><td>0.04</td><td>0.78</td><td>0.013</td><td>0.013</td><td>0.015</td><td>0.047</td><td>0.014</td><td>0.034</td><td>98.8</td></tr>
<tr><td>Shell plates</td><td>0.15</td><td>0.04</td><td>0.81</td><td>0.17</td><td><0.002</td><td>0.042</td><td>0.042</td><td>0.008</td><td>0.165</td><td>98.6</td></tr>
</table>
Table 02 - Tensile Test & Hardness
<table>
<tr><th>Item</th><th>Yield Strength (N/mm^2)</th><th>Tensile Strength (N/mm^2)</th><th>Elongations after break (%)</th><th>Hardness(HV)</th></tr>
<tr><td>Roof and bottom plates</td><td>328</td><td>436</td><td>29</td><td>168</td></tr>
<tr><td>Shell plates</td><td>267</td><td>403</td><td>36</td><td>134</td></tr>
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</td></tr>
<tr><td>2</td><td>Please provide the Steel material grade of New plates and pipes which are provided by CPC</td><td>Roof and bottom - ASME SA 36
Shell - ASME SA 516 Gr 55
Pipes - ASTM A106 Gr B or equivalent</td></tr>
<tr><td>3</td><td>Please provide the clear set of drawings, specifically showing the plate layout of the tank bottom</td><td>Please reffer the below drawings attached herewith.
<table>
<tr><th>NO.</th><th>DRAWING TITLE</th><th>DRG. NO.</th></tr>
<tr><td>1</td><td>Thickness Measurements of Bottom and Shell of Tank No.30</td><td>CPC_TK30_Bottom_T</td></tr>
<tr><td>2</td><td>Thickness Measurements of Bottom and Shell of Tank No.38</td><td>CPC_TK38_Bottom_T</td></tr>
<tr><td>3</td><td>Thickness Measurements of Bottom and Shell of Tank No.39</td><td>CPC_TK39_Bottom_T</td></tr>
<tr><td>4</td><td>Drip Gutter</td><td>CPC_Tk30_38_39_005</td></tr>
<tr><td>5</td><td>Heating Coil</td><td>CPC_TTF_HC_001</td></tr>
<tr><td>6</td><td>Tank Bottom Plate Arrangement</td><td>TK-B-GA-001</td></tr>
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</td></tr>
<tr><td>4</td><td>Please provide the thickness of the Cover plates</td><td>Please refer the 7th & 8th points of clause 6.5.2 in section 6 (Specifications), Bidding document.</td></tr>
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