

Vendor Qualification Criteria For Al/Steel Armour

Date: 10-03-2021

Sl. No.	Nomenclature & Drawing No.	Manufacturing Technology & Testing / Inspection Facilities required to produce the item	Must be possessed by the vendor in his own premises (List of Plant & Machinery and Testing / Inspection facility to be submitted)	May be possessed by the Vendor in his own premises (or) may be outsourced (Name and Address of sub-contractor, list of Plant & Machinery and Testing / Inspection facility to be submitted)																														
6	Armour Steel 15 Grade 54P - Size 20 mm X 1400 mm X 5500 mm (LF No. 0359026020) Drg. No HVF/ T-90/IMP/ 20mm/289	<table border="1"> <tr> <td data-bbox="710 192 917 750">Technology 1</td> <td data-bbox="710 750 917 907">Steel Making</td> <td data-bbox="710 907 917 1288"></td> <td data-bbox="710 1288 917 1579"></td> <td data-bbox="710 1579 917 1870">The process of Steel Making as per industry standard methods practiced at reputed manufacturers such as SAIL/RSP/RINL and MoU with reputed manufacturer for supply of billets of 54P material</td> </tr> <tr> <td data-bbox="917 192 1061 728">Technology 3</td> <td data-bbox="917 728 1061 907">Rolling</td> <td data-bbox="917 907 1061 1288">Rolling mill of suitable capacity to manufacture the finished sheets with dimensional tolerances of the thickness.</td> <td data-bbox="917 1288 1061 1579"></td> <td data-bbox="917 1579 1061 1870"></td> </tr> <tr> <td data-bbox="1061 192 1141 728">Technology 5</td> <td data-bbox="1061 728 1141 907">Cutting</td> <td data-bbox="1061 907 1141 1288">Cutting machine for making final dimensions of the plate/ component</td> <td data-bbox="1061 1288 1141 1579"></td> <td data-bbox="1061 1579 1141 1870"></td> </tr> <tr> <td data-bbox="1141 192 1252 728">Technology 6</td> <td data-bbox="1141 728 1252 907">Heat Treatment</td> <td data-bbox="1141 907 1252 1288">Heating furnace of suitable size and capacity for Heat Treatment of the finished Plates.</td> <td data-bbox="1141 1288 1252 1579"></td> <td data-bbox="1141 1579 1252 1870"></td> </tr> <tr> <td data-bbox="1252 192 1380 728">Test/Inspection 1</td> <td data-bbox="1252 728 1380 907">Testing</td> <td data-bbox="1252 907 1380 1288">Metallography and mechanical (Hardness Tester, Tensile UTM) Test facility and dimensional measurements</td> <td data-bbox="1252 1288 1380 1579"></td> <td data-bbox="1252 1579 1380 1870"></td> </tr> <tr> <td data-bbox="1380 192 1575 728">Test/Inspection 2</td> <td data-bbox="1380 728 1575 907">Ballistic Testing</td> <td data-bbox="1380 907 1575 1288"></td> <td data-bbox="1380 1288 1575 1579"></td> <td data-bbox="1380 1579 1575 1870">Final Acceptance will be after clearance of Ballistic test on Heat treated plate. Test will be arranged by HVF at PXE/CPE.</td> </tr> </table>	Technology 1	Steel Making			The process of Steel Making as per industry standard methods practiced at reputed manufacturers such as SAIL/RSP/RINL and MoU with reputed manufacturer for supply of billets of 54P material	Technology 3	Rolling	Rolling mill of suitable capacity to manufacture the finished sheets with dimensional tolerances of the thickness.			Technology 5	Cutting	Cutting machine for making final dimensions of the plate/ component			Technology 6	Heat Treatment	Heating furnace of suitable size and capacity for Heat Treatment of the finished Plates.			Test/Inspection 1	Testing	Metallography and mechanical (Hardness Tester, Tensile UTM) Test facility and dimensional measurements			Test/Inspection 2	Ballistic Testing			Final Acceptance will be after clearance of Ballistic test on Heat treated plate. Test will be arranged by HVF at PXE/CPE.		
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