

TECHNICAL DELIVERY CONDITIONS

Project : Mumbai Metro cars - L2 & L7

Item : MS Raw Materials to Grade SMA 490BW JIS G3114

Sl No	Stock No.	Description
1	R109001006	6mm Thk. Steel plate to grade SMA 490BW JIS G3114 with CE 0.41 max and in normalised condition to Size 6x1250x6500 mm
2	R109201009	9mm Thk. Steel plate to grade SMA 490BW JIS G3114 Ultrasonic quality to level B of ASTM A578 with CE 0.41 max and in normalised condition to Size 9x1250x6500 mm
3	R109201012	12mm Thk. Steel plate to grade SMA 490BW JIS G3114 Ultrasonic quality to level B of ASTM A578 with CE 0.41 max and in normalised condition to Size 12x1250x6500 mm
4	R109201016	16mm Thk. Steel plate to grade SMA 490BW JIS G3114 Ultrasonic quality to level B of ASTM A578 with CE 0.41 max and in normalised condition to Size 16x1250x5000 mm
5	R109201020	20mm Thk. Steel plate to grade SMA 490BW JIS G3114 Ultrasonic quality to level B of ASTM A578 with CE 0.41 max and in normalised condition to Size 20x1250x5000 mm
6	R109201045	45mm Thk. Steel plate to grade SMA 490BW JIS G3114 Ultrasonic quality to level B of ASTM A578 with CE 0.41 max and in normalised condition to Size 45x1250x5000 mm
7	R109201050	50mm Thk. Steel plate to grade SMA 490BW JIS G3114 Ultrasonic quality to level B of ASTM A578 with CE 0.41 max and in normalised condition to Size 50x1250x5000 mm
8	R109201060	60mm Thk. Steel plate to grade SMA 490BW JIS G3114 Ultrasonic quality to level B of ASTM A435 / ASTM A578 with CE 0.43 max and in normalised condition to Size 60x1250x5000 mm
9	R109201070	70mm Thk. Steel plate to grade SMA 490BW JIS G3114 Ultrasonic quality to level B of ASTM A435 / ASTM A578 with CE 0.43 max and in normalised condition to Size 70x1250x5000 mm

1. All plates shall be supplied conforming to the specification as indicated above.
2. All plates shall be supplied in the pitting free & normalized rolled condition.
3. All plates of 6mm & 9mm shall pass the Bend test (radius = thickness) in all the directions of Rolling, without cracking on the outside of the bent portion as per JIS Z 2248.
4. Dimensional tolerances and appearance shall conform to JIS G 3193.
5. Ultrasonic Testing shall be carried out on 100% of the supplies for 9 mm and above by a reputed NDT firm and the test reports shall be certified by ASNT level II qualified inspector. Test reports shall be submitted along with the supplies.
6. Marking : Each plate shall be marked with a permanent marker with details of steel grade, heat no., thickness, width & length and manufacturer's name.
7. Test certificate for chemical composition, mechanical properties & impact test as per JIS G3114 shall be submitted along with the supplies.
8. The supplier shall submit confirmation for all the above points along with their technical offer.



GRB