ANNEXURE 'A'

SPECIFICATIONS FOR ROOFING WITH COLOUR COATED GALVALUME SHEETS.

1. Providing and fixing profiled, colour coated galvalume sheet 975-1000 mm cover width 25 to 45mm crest height at 195 – 255 mm centers, in lengths to suit site requirements.

2. Base material shall be cold rolled steel, 550 M Pa yield strength with metallic coating of alluminium zinc alloy (Galvalunic 150 gms / sqm total of both sides AZ 150 as per ASTMA 792 or AS 1397) or equivalent.

3. The total coated thickness of the profile sheet shall 0.5 mm including polyster coating (SAIP – Silicon Modified Polyester coating.)

4. The payment shall be made for the laid area inclusive of flashing, capping large boards etc., and no extra payment shall be made for overlaps.

5. Coated sheets should be erected as soon as possible after their arrival at job site. If temporary storage is necessary, it shall be done at the cost of the Contractor and shall be stacked in such a way to prevent entry of moisture into the bundle.

6. In seal tape (Golvi strips) of 9mm wide and 2.5mm thickness shall be provided at side laps and end laps between metal roofing sheet and polycarbonate sheet used for strip lighting.

7. The roof sheets may be supplied in one length to avoid end laps in roof sheeting based on the length of the sheet required to cover roofing on either side of the symmetrical ridge.

FIXING:

1. Roofing sheets shall be factory cut and supplied in required lengths to suit shop drawings.

2. Roofing sheet shall be crest fixed to purlins with hot dip galvanized self drilling fasteners with integral PRDM washers. (One fastener on each crest)

3. Also, fasteners to be provided on side laps with one crest width including lip with minimum sheet overlap at end laps shall be 150mm.

4. Penetration and over lappings in sheets shall be sealed by using proper sealent.

5. Prefilled MDPE fillers shall be provided wherever required to close voids between over lapping of the sheets, to provide a weather tight exterior.

Signature Not Verified
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Location: New Delhi

HL STRIP LIGHTING IN ROOFING/WALLING:

1. Embossed Polycarbonate sheet 2mm thick to match the profile of metal coated sheets shall be used.
2. Width of the profilled polycarbonate sheet shall be 0.8 to 1.2 m wide and a maximum length of 3 metres with overlap on either side in metal coated sheets equal to one crest width and lip on one side and one crest width other side with a minimum longitudinal lap of 150mm per sheet.
3. Fixing shall be done with bolts and nuts, neoprene washers/self lapping screws with suitable washers as required.
4. Works shall be executed in high roof shed which involves carrying of materials, fixing in position at the desired elevation as directed and approved by the Engineer-in-charge.
5. The work shall also include hiring of tools, plants for the work using scaffolding materials required for erection at Contractor's own cost.
6. Payment shall be made only for the lighting area in roofing and no extra payment shall be made for over laps.

SPECIAL CONDITIONS AND SPECIFICATIONS FOR STEEL WORK FOR COVER OVER PLATFORM SHELTERS (IRS TYPE WITH CURVED / CRIMPLED FACIA BOARDS):

1. Materials mild steel should confirm to I.S. Specification I.S. 2062-2006. Necessary steel Test Certificate should be furnished before taking up the work along with purchase bills for the proof.
2. The steel used for the bridges/cover over platforms shall confirm to specification No. IS 2062-2006 Grade-'B' and it is to be ensured that the steel used for FOB/COP shall not be of re-rolled variety and should be from the stock yards of SAIL/TISCO/IISCO/VSP firms to the above Specifications for the Materials used for this work of S.C.Railway.
3. The painting with red lead should confirm to the red lead dry pigment to Specification IS type – 'C' of 57-1965 with pure boiled linseed oil to IS Specification 77-1976 mixed in properties of 3.3 Kgs., red lead pigment to one litre of boiled linseed oil.
4. The painting with Alluminium should confirm to IS 3339-63 or latest.
5. All rivet steel to comply with IS Specification 1148(2009) or latest.
6. Fabrication of steel work should comply with IRS Specification BI-2001 or latest.
7. Welding should confirm to IS 823/64 if so, where ever required.
8. Any work shall be executed by the contractor on running track in a workman like manner to the satisfaction of the Engineer-in-charge. In the event of an accident occurring wholly or partly due to any act of tantamounts to the negligence on the part of the contractor or his labour, the contractor shall render himself liable for the damages and also legal prosecution if loss of life is involved.
9. The Railway reserves the right to reject or alter any part of the work executed by the contractor which in the judgment of Rly. does not comply with the requirements of the specification. The decision of Railway shall be final and conclusive for all proposes.
10. The Steel cribs/Wooden blocks required for the work will be supplied at the nearest stores of SSE/Br/P-Way/concerned. The Contractor has to transport them to and fro at his own cost.