

दक्षिण मध्य रेलवे
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No: W.71/Br/FOB/Modification

Dt: 16.06.2015

CAO/Con/SC, CPM/RVNL/SC
Sr.DEN/Coord/SC, BZA, GTL, GNT, HYB & NED.

M. Sridhar Rao
Asstt. Br. D.

Sub:- Modifications of FOB drawing - Details of steel work - reg.

With reference to the above subject, the modified FOB drawing for steel work has been prepared duly considering the maintenance and safety aspects with following modifications :

1. A pedestal of 300 mm height is provided for columns from platform level to protect the columns from corrosion due to stagnation of water etc.,
2. Clear gap of 100 mm between truss bottom main angle and gangway slab (125 mm including of 10 mm of overhang, 10 mm thick vertical plate and 5 mm thick wire mesh).
3. MS plate 10 mm thick, with height of 250 mm is provided at the end of gang way slabs on both sides to prevent entry of dust and water from gangway slab to floor beam and main angle.
4. Protecting screen with diamond chain link mesh is provided for a height of 1500 mm on both sides of the gang way slab.
5. MS sheet is provided below the gangway slab.
6. Gang way floor slab will be 150 mm thick and it will be casted as main reinforcement, spanning along the width of the gang way slab.
7. ISMC 150 x 75 mm channels are proposed to run longitudinally over floor beams to allow maintenance of floor beams at 1.5 m c/c.
8. Wind ties are provided at purlin locations in the form of MS flats 950 x 8 mm) fixed with bolt & nut. These wind ties are provided at first & last purlins and at middle locations of alternate purlins.
9. Live load shall be considered 100 % more than that given in Bridge Rules since FOB is a critical structure and having higher section will ensure availability of enough reserve strength to take care of corrosion, loss of section during life period. It will also facilitate modification or changing of any member being done during in service condition as the other member will be able to take loads without the FOB being closed.

Accordingly a sample drawing on details of steel work has been prepared for your reference adoption for all future cases of FOB construction. A copy of GAD is enclosed here with further action at your end.

This has approval of PCE.

(Rajiv Kumar Tanwar)
Dy.CE/Br.Design.

for Principal Chief Engineer

Encl: Modified FOB sample drawing.