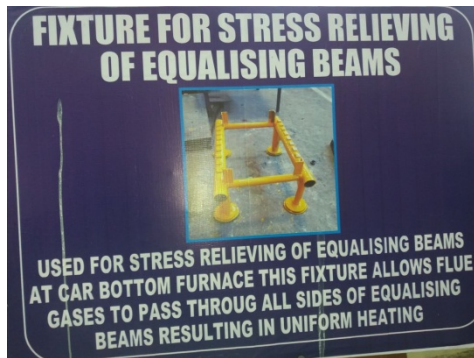


1. Fixture for Stress Relieving of Equalising Beams - LW/PER

A fixture for stress relieving of equalising beams at Car Bottom furnace was fabricated by Millwright shop. In this, a stand was made of dia 2.5" seamless pipe for the length of 940 mm, width of 600 mm and for the height of 370 mm. Then length wise 10 mm thick plates of 40 x 32 mm are welded with 40 mm gap between them. Equalising beam will be loaded on the stand with Fork lift. After that, equalising beam will be placed between the plates. This allows hot gases to pass through all the sides of the equalising beam, resulting in uniform heating and effective soaking.



Proper stress relieving is done by providing a gap between the equalising beams thereby allowing the hot gases to contact with entire surface area of the beams. This ensures uniform heating of surface area and effective soaking. This also reduces the heat loss as well as the fuel consumption. This practice can be adopted in all over Indian Railways for the better results of heat treatment process.