The Chief Mechanical Engineers
All Indian Railways except SR

Sub: Innovations and system improvements in Indian Railways

CME/SR through his MCDO for the month of August, 2012 has informed about the following innovations/system improvements carried out by SR on the freight side:

- Improving the standardization of facilities for CTRB inspection – Carriage Works/Perambur
- Press for leveling bent wagon doors – Chennai Division

The same is enclosed for your kind information.

(Ashesh Agrawal)
Exec. Dir. Mech. Engg. (Frt.)

Encl: 1 page

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c) Improving the standardization of facilities for CTRB inspection – Carriage Works / Perambur.

A dust free chamber for CTRB Mounting (L 30' X B 20' H 12') has been constructed with provision of facilities of Air curtains, with sufficient lighting. This would help to ensure desired quality of CTRB maintenance and thereby reducing en-route detachments of wagon on account of CTRB Failures.

d) Press for leveling bent wagons doors - Chennai Division

A gadget has been indigenously developed by Chennai Division for attending bent doors of wagons. Two 355 mm air-brake cylinders are mounted over a regular iron frame. Air is allowed into the brake-cylinder through an A9 valve which pushes out the piston. This gadget functions as a power press to level the bent wagon doors. With this gadget leveling of bent doors has become easy without heat treatment and Blacksmith.