Sub: Innovations and system improvements in Indian Railways

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

• Modification in the CTRB mounting machine (Bearing extractor)

The same is enclosed for your kind information.

Encl: 2 pages

Copy to: EDS(W)/RDSO

(Gaurav Puri)
Deputy Director, M(N)
1.13 **Utilisation of funds under Plan Head 41:**

Against Revised Budget Grant of Rs. 1202.00 lakhs for 2012-13, funds utilized up to Oct'12 are Rs. 250.00 lakhs, which is 20.80% of Revised Budget Grant.

1.14 **Utilisation of funds under Plan Head 42:**

Against Revised Budget Grant of Rs. 3235.00 lakhs for 2012-13, funds utilized up to Oct'12 are Rs.1723.00 lakhs, which is 53.26% of Revised Budget Grant.

1.15 **Status of Coaching items**

Status of coaching items as per Railway Board letter No. 2007/M(C)/139/9 dated 30.04.10 is enclosed as ANNEXURE-IX.

1.16 **Workshop Portal:** WCR has regularly fed data of POH out-turn, RSP work, overdue POH, cycle time, unit cost, incentive performance, local passing and staff strength in the workshop portal.

2. **INNOVATIONS & SYSTEM IMPROVEMENT —**

**Modification in the CTRB mounting machine(Bearing extractor):**

As per BRENCO(NBC) CTRB manual during the mounting of CTRB the “Bearing Pressure” should be 50+- 5 T and this pressure should be held for 5 seconds to ensure proper seating the CTRB against the fillet.

Previously timing of application of force was done manually in existing CTRB mounting machine (Bearing extractor) and seating pressure was dependent on manual skill of the operator. The bearing extractor has been modified by introducing a combination of pressure control switch, timer and buzzer. Now, pressure force is preset to 50 T and timer has been preset to 5 seconds. When the pressure reaches to 50 T load, then the buzzer sounds for 5 seconds which ensures that seating pressure remains applied for 5 seconds. This modified extractor ensures correct pressure and timing without chances of human error.
Modification in the CTRB mounting machine (Bearing Extractor)