

C/1/F

भारत सरकार GOVERNMENT OF INDIA  
रेल मंत्रालय MINISTRY OF RAILWAYS  
रेलवे बोर्ड (Railway Board)

No.2004/M(C)/137/8 Pt(ii)

New Delhi dated 22.02.2019

Principal Mechanical Engineers,  
All Zonal Railways,

Sub: Maintenance practices – phonic wheel, earthing device & CTRB.

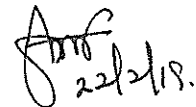
Ref: (i) RDSO's letters no. MC/CTRB/Defects dated 18.02.2019

(ii) RDSO's letters no. MC/CTRB/Defect dated 13.02.2019.

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A number of cases of roller bearing failure have taken place in LHB coaches in the recent past. RDSO had been advised to carry out audit of CTRB maintenance practices and the associated assemblies of wheel in the coaching depots as well as carriage workshops. A drive was also to be launched by the Zonal Railways to audit their CTRB maintenance practices. In a recent audit carried out by RDSO of a coaching depot and carriage workshop as well as random checks at other coaching depots, it has been found that a number of defects and deficiencies have been noticed in maintenance of phonic wheel, earthing assembly and CTRB in the workshops as well as open line. RDSO vide their letter under reference (i), has already advised the Zonal Railways for launch of a drive both in workshops and open line for maintenance practices of phonic wheel, earthing device and CTRBs. Some of the common defects noticed are listed at Annexure-1.

2. Railways should immediately get each and every wheel checked in open line for the issues listed by RDSO including those mentioned in Annexure-1. Apart from these, detailed CTRB audit and compliance of the checklist that has been circulated by RDSO vide their letter at reference 1 may be ensured. The above action may be carried out in a 'Mission Mode' in order to ensure that there no further bearing failures on line.

  
22/2/19.

( डिम्पी गर्ग )

का.नि.यां.इं. ( कोचिंग )

रेलवे बोर्ड

Copy to: 1. PCMEs of ICF, MCF & RCF.

2. Exec. Dir. Stds./Carriage, RDSO – To circulate list of common defects/ deficiencies found during inspection of workshops and coaching depots.

3. AM/ME- For kind information

### List of common defects and deficiencies

1. Axle end covers not being opened for examination in D-2/D-3 schedule.
  2. Earthing cable found missing.
  3. Inspection of earthing equipment, wear of slip assembly/Carbon brushes, etc. not being carried out.
  4. Proper securing of earthing device not being ensured.
  5. Locking arrangement of phonic wheel not being checked – found loose, non-standard bolts being used.
  6. End locking arrangement of axles not as per specifications.
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