



भारत सरकार - रेल मंत्रालय  
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Research Designs & Standards Organisation  
Lucknow - 226 011  
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MC/CTRB/Defects

Date: 25.03.2019

प्रमुख मुख्य यांत्रिक अभियन्ता,

1. मध्य रेलवे, छत्रपति शिवाजी टर्मिनस, मुम्बई- 400 001.	11. पूर्व तटीय रेलवे, बीडीए रेंटल कालोनी, रेलवे काम्प्लेक्स, चन्द्रशेखरपुरा, भुवनेश्वर, उड़ीसा- 751 016.
2. पूर्व रेलवे, फेयरली प्लेस, कोलकाता- 700 001.	12. उत्तर मध्य रेलवे, हारिंग रोड, इलाहाबाद-211 001.
3. उत्तर रेलवे, बड़ौदा हाउस, नईदिल्ली- 110 001.	13. उत्तर पश्चिम रेलवे, जयपुर- 302 006.
4. दक्षिण रेलवे, पार्कटाउन, चेन्नई- 600 003.	14. दक्षिण पश्चिम रेलवे, हुबली- 580 023.
5. दक्षिण मध्य रेलवे, रेल निलायम, सिकन्दराबाद -500 071.	15. पश्चिम मध्य रेलवे, जबलपुर- 482 001.
6. दक्षिण पूर्व रेलवे, गार्डनरीच, कोलकाता- 700 043.	16. दक्षिण पूर्व मध्य रेलवे, आरई आफिस काम्प्लेक्स, बिलासपुर- 495 004.
7. पूर्वोत्तर रेलवे, गोरखपुर- 273 012.	17. आधुनिक रेल डिवा कारखाना, लालगंज रायबरेली-229 206
8. पूर्वोत्तर सीमान्त रेलवे, मालीगोंव, गुवाहाटी- 781 011.	18. इन्टीगरल कोच फैक्ट्री, चेन्नई- 600 038.
9. पश्चिम रेलवे, चर्चगेट, मुम्बई- 400 020.	19. रेल कोच फैक्ट्री, हुसैनपुर, कपूरथला- 144 602.
10. पूर्व मध्य रेलवे, हाजीपुर- 844 101.	20. कोंकण रेलवे कार्पोरेशन लि., कार्पोरिट आफिस, बेलापुर भवन, नवी मुम्बई- 400 614.

**Sub:** Proforma to be filled in case of CTRB failure/Hot Axle of LHB Coaches.

**Ref:** (i). This office letter No. MC/RB/Defects dated 29.03.2012.

(ii). This office letter of even No. dated 29.11.2018.

Earlier, RDSO vide this office letter mentioned under reference (i) above had issued the proforma to be filled in case of CTRB failure of LHB coaches to all Zonal Railways. Zonal Railways were requested to fill the proforma for each case of bearing failure of LHB coaches and send to RDSO. Railways have not been sending the details of failed CTRBs in prescribed proforma in most of the cases.

Further, RDSO vide letter mentioned under reference (ii) above has reiterated the instructions issued vide letter referred above at (i) to send the filled proforma to this office in cases of hot axle. Zonal Railways are still not sending the details of failed CTRBs in prescribed proforma in most of the cases.

RDSO has updated the proforma to be filled in case of CTRB failures and attached herewith.

In this regard, it is again requested for providing the details of cases of CTRB failures/Hot axle in LHB design coaches in attached updated format within 03 days from the date of failure by e-mail at [edcar.rds@gmail.com](mailto:edcar.rds@gmail.com) & [dirvdg1@gmail.com](mailto:dirvdg1@gmail.com) and fax at **0522-2450679**.

DA: As above.

  
(Shobhit Pratap Singh)  
Jt. Director/VDG/Carriage  
for Director General/Carriage

Copy to: for kind information please.

1. Executive Director/CAMTECH, Maharajpur, Gwalior - 474 005
2. DME/Coaching, Railway Board, Rail Bhawan, New Delhi - 110 001

### **Proforma to be filled for cases of Hot Axles in LHB Coaches**

(Complete proforma is to be filled & submitted by the Zonal Railway in which hot axle case takes place after collecting all the information from concerned authorities)

Primary Depot \_\_\_\_\_

Rly \_\_\_\_\_

- 1) Coach Number:
- 2) Train No.:
- 3) Manufactured by (PU):
- 4) Date of Manufacturing:
- 5) Date of Commissioning:
- 6) Last Shop Schedule (Date & Workshop):
- 7) Date on which, the coach was put in service after Commissioning/SS I/SS II/SS III:
- 8) Approx. Kms. earned by the coach from Commissioning/SSI/SS II/SS III:
- 9) Place and Date of Incident:
- 10) Last Trip/D1/D2/D3 Schedule:
- 11) Sick marking details from Commissioning/SS I/SS II/SS III:
- 12) Date on which the coach was put under service after sick marking:
- 13) Failure end (Phonic wheel, Earthing device or Plain End) & Location:
- 14) Free Rotation of Bearing at Affected End:
- 15) Bearing Details:
- 16) Bearing is Within Warranty or Not :
- 17) Condition of Control Arms of affected side:
- 18) Condition of Axle End Cover :
- 19) Wheel Dia. at Affected End & Other End of Same Wheelset:

20) Stamping Particulars of Wheel/ Axle :

21) Condition of Primary Dampers of affected wheelset:

22) Condition of Primary Springs of affected wheelset:

23) Brake Binding Found or Not :

24) Phonic Wheel Assembly:

Make of Air Brake System:

	WSP sensor gap		Make of bolt	Property class of bolt	Number of rounds it tights /rotates before reaching 21Nm (represented by click of torque wrench)	Condition of Phonic wheel	Condition of Speed Sensor
Phonic Wheel L1		M8 Bolt 1					
		M8 Bolt 2					
		M8 Bolt 3					
Phonic Wheel L2		M8 Bolt 1					
		M8 Bolt 2					
		M8 Bolt 3					
Phonic Wheel R5		M8 Bolt 1					
		M8 Bolt 2					
		M8 Bolt 3					
Phonic Wheel R6		M8 Bolt 1					
		M8 Bolt 2					
		M8 Bolt 3					

**NOTE:** To check whether M8 bolts of phonic wheel & earthing device are properly torqued or not, calibrated torque wrench will be set at 21Nm & applied on M8 bolts. Number of rounds (1/4<sup>th</sup>, 1/2, 3/4<sup>th</sup>, 1 & so on) the bolt rotates or tights before click of torque wrench indicating torque of 21 Nm will represent looseness of the bolt.

25) Oiler Ring Assembly of Earthing device:

		Make of Screw	Property class of bolt	Number of rounds it tights /rotates before reaching 21Nm (represented by click of torque wrench)
Oiler ring L4	M8 Screw 1			
	M8 Screw 2			
	M8 Screw 3			
Oiler ring R8	M8 Screw 1			
	M8 Screw 2			
	M8 Screw 3			

26) Condition of other components of earthing device

	Condition of wire connections from earthing device to bogie & bogie to coach	Condition of carbon bars		Condition of spring mechanism	
Earthing device L4					
Earthing device R8					

27) WSP: Working or not working:-

Any error code:

Log History of WSP:

28) Dump valves working or not:-

Dump valve no 1	
Dump valve no 2	
Dump valve no 3	
Dump valve no 4	

29) Condition of wheel disc:

Wheel Disc Location	Condition	Wheel Disc Location	Condition
L1		R5	
L2		R6	
L3		R7	
L4		R8	

30) Condition of M20 Axle End Screws:

Axle end Screws	Condition			Make & Property Class			Axle end Screws	condition			Make & Property Class		
L1							R5						
L2							R6						
L3							R7						
L4							R8						

31) Any Other Remarks: