



भारत सरकार - रेल मंत्रालय
अनुसंधान अभिकल्प और मानक संगठन
लखनऊ - 226011
Tele/Fax : 2465754 & 42226 (Rly)
e-mail : dse4cs@gmail.com

Government of India - Ministry of Railways
Research, Designs & Standards Organization,
LUCKNOW - 226011



No. EL/3.1.35/2 (Bogie)

Date: 20.03.2019

Principal Chief Electrical Engineer,

1. Central Railway, Mumbai, CST-400 001.
2. East Central Railway, Hazipur-844 101.
3. East Coast Railway, Chandrashekharapur, Bhubaneswar-751 016.
4. Eastern Railway, Fairlie Place, Calcutta-700 001.
5. North Central Railway, Block-A, Subedarganj, Allahabad- 211 033.
6. Northern Railway, Baroda House, New Delhi-110 001.
7. North Western Railway, Jaipur- 302 006
8. North Eastern Railway, Gorakhpur-273001
9. North East Frontier Railway, Maligaon, Guwahati-781011
10. South Central Railway, Secunderabad-500 071.
11. South East Central Railway, Bilaspur-495 004.
12. South Eastern Railway, Garden Reach, Kolkata-700 043.
13. Southern Railway, Park Town, Chennai-600 003.
14. South Western Railway, Hubli- 580020
15. West Central Railway, Jabalpur-482 001.
16. Western Railway, Churchgate, Mumbai-400 020
17. Chittaranjan Locomotive Works, Chittaranjan-713 331
18. Diesel Locomotive Works, Varanasi-221 004

Sub: Minutes of the meeting to review the performance of reliability of brake gears of three phase Electric locomotives.

Enclosed please find Minutes of the meeting held at RDSO on 05.03.2019 to review the performance of reliability of brake gears of three phase Electric locomotives.

This is for your kind information and necessary action please.

(Pratibha Gupta)
for Director General/ Electrical

Encl: Copy of minutes of meeting

Copy to:

1. M/s Mackeil & Company (Pvt.) Ltd., 5A/1A, Lord Sinha Road (2nd floor), Kolkata - 700 071.
2. M/s River Engineering Pvt. Ltd., Plot No. 54-55, Toy City, Ecotech-III, Greater Noida- 201 306 (U.P.).

Minutes of the meeting held at RDSO on 05.03.2019 to review the performance of reliability of brake gears of three phase Electric locomotives

Present:

RDSO (S/Shri)	Railway (S/Shri)
Pratibha Gupta, JDSE/Mech.	Manish kumar, SSE/ELS/GZB
Girraj Kishore, DDSE/Mech.	Rajesh Kumar Maurya, SSE/ELS/BRCY
U. B. Yadav, SSE/D/Elect.	Prateek Sahu, SSE/ELS/NKJ
Rajiv Kumar JE/D/Elect.	Bachu Ramesh, DEE/ELS/RPM
	A. Koreswara Rao, DEE/ELS/LGD

A meeting was held at RDSO on 05.03.2019 with representatives of Electric loco sheds to review the performance of reliability of brake gears of three phase Electric locomotives. During the meeting following points were discussed:

1. Railways have stated that modification sheet no. RDSO/2016/EL/MS/0455 (Rev-0) has been implemented on some WAG9/9H locos and planning of replacement work of TBU/PBU with conventional brake rigging arrangement on remaining locos is under process.
2. Representatives of ELS/BRCY & ELS/GZB pointed out that generally safety device failed due to breakage of C-clamp near curve portion. Out of 70 locos 35 are with safety device in ELS/BRCY and out of 90 locos 43 are with safety device in ELS/GZB. Both the sheds reported that firms are not supplying safety devices against the pending PO. Details are as follows:

Firm	ELS/GZB	ELS/BRCY
M/s Mackeil	40 Nos.	150 Nos.
M/s River	104 Nos.	-

The above firms are requested to expedite the supply.

3. ELS/GZB also pointed out that CLW is not providing safety device on new locomotives. CLW is requested to provide safety devices in WAP-5 loco without fail.
4. Railways stated that ultrasonic testing of axles is being carried out as per RDSO instruction. As such there are no failures of axles in past years.
5. Status of un-modified motor support in WAP7 & WAG9/9H three phase locomotives was discussed with Railways. Railways advised that replacement work of un-modified motor support on remaining bogies should be completed on high priority.



Position of un-modified motor support in WAP-7 & WAG-9/9H three phase locomotive is under:-

Rly	Shed	TM location	WAP7	WAG9H	Total no. of bogies	Balance to be modified	PDC
CR	AQ	1,2	16	226	242	126	Dec'19
		3	16	226	242	242	
ECR	GMO	1&2	0	198	198	78	Dec'19
		3	0	49	49	0	
NR	GZB	ALL	143	0	143	93	Dec'19
SR	RPM	1 & 2	52	0	52	3	June'19
		3	86	0	86	20	
SCR	LGD	1&2	68	164	232	11	June'19
		3	84	206	290	242	
SCR	KZJ	3	0	8	8	9	April 19
SER	TATA	3	0	70	70	49	Dec.'19
SECR	BIA	1,2&3	16	57	73	All completed	Mar'19
WCR	TKD	1, 2 & 3	39	77	116	55	Oct'19
		3	8	12	20	8	April 19