



NAVEEN GULATI

D.O.No.2022/M(N)/951/34 Pt.2 (E-3390305)

Dated: 23rd June'23

Dear General Managers,

Sub: Comprehensive review of all aspects related to wagon maintenance with the objective to ensure safe and reliable running of freight trains

Various instructions related to maintenance of wagons, both regarding maintenance activities per se and infrastructure for maintenance, have been issued from time to time by Board. However, it is desirable that the whole gamut of wagon maintenance is treated in a holistic manner for covering almost all issues. Accordingly, following is hereby advised:

- 1. Immediate measures to ensure safe running of trains:** Following items need immediate attention:
 - 1.1. Mixing of wagons having BMBS of M/s Knorr Bremse Design (KBD) in a freight train, as per Joint Instructions issued by Board (vide letter no. 2022/M(N)/60/3dated 4th May'23).
 - 1.2. Compliance of Joint Instructions issued by Board vide letter no.2023/TT-1/27/07/Invalid BPC dated 9th June'23 for controlling running of freight trains with invalid BPC.
 - 1.3. Special attention to working/checking, interalia, of brake system, CTRBs, securing of brake rigging & doors, condition of CTRB, CBC, yoke pin support plate, amongst other, during yard examination.
 - 1.4. Blocking of doors in BOXN variants, Reduction in height of BOXN & BOST variants and proper working of doors.
 - 1.5. Correct loading and Securing of steel consignments, as prescribed by RDSO.
 - 1.6. Proliferation of Limited Functionality Hot Box Detectors, as per instructions issued by Board vide letter no. 2023/Dev.Cell/IMM1/1 dated 6th Jan'23.

- 1.7. Cognizance of alerts generated by OMRS/WILDs and follow up action
- 1.8. Inspection of loading and unloading points by HQ and divisional officers with the objective of preventing damage to wagons, as per instructions issued by Board (vide letter no. 2015/M(N)/951/63 dated 6th April'22), including imposition of penalty and its recovery.
- 1.9. Inspection and testing of EIMWBs by divisional officers, as per extant instructions
- 1.10. Inspection of freight maintenance points by HQ and divisional officers, as per extant instructions.
- 1.11. Detailed investigation of online unusualls in freight trains and those detected during examination in yard/depot: CTRB failures/defects Train Parting/CBC defects, Wagon detachment, etc should be done, corrective action taken and reported to all concerned for taking necessary action at their end.
- 1.12. As a part of sharing of knowledge, important failure cases and remedial action taken by Railways must also be shared with other Zonal Railways and RDSO.
- 1.13. IT tools like FMM & WISE must be fully leveraged to get relevant information about work done in wagons during openline and workshop attention.

2. Augmentation of freight maintenance infrastructure:

- 2.1. Indian Railways has set the target of achieving originating loading of 3000 MT by the year 2030. For achieving this target, there will be increase in the overall wagon holding, which will require augmentation of freight maintenance infrastructure, both in open line and workshops.
- 2.2. Substantial funds have been allotted by Board to the Zonal Railways in the current and previous year, as per requirement given by the Zonal Railways, for augmentation of freight maintenance infrastructure (vide Board's Ir. no. 2022-B-106 dt. 16.06.2022 & 16.09.2022, no. 2023-B-106 dt. 18.04.2023 & 19.06.2023) and for eleven Next Generation Freight Yards (vide Board's Ir. no. 2023-B-106 dt.28.04.2023 & 2022/M(N)/951/42 dated 15/06/2023). Summary is given in the enclosed **Annexure -"A"** for ready reference. Apart from this, in earlier years also, funds have been allotted.

Similarly, funds to be utilized by Zonal Railways in "Smart Yard" Work may also be planned (Board's letter no. 2020/Dev.Cell/IGRI/4 – Part (1) dated 22/12/2022).

Zonal Railways shall get the specific works sanctioned and executed in an expeditious manner. Planning for the individual work should be done jointly by the Mechanical and Operating Departments.

2.3. Deliverable in terms of increase in freight maintenance capacity: Yard-wise depot-wise, workshop wise vis-à-vis existing, to be clearly laid down while planning infrastructure augmentation.

2.4. As per MoU between the MoR and GMs of Zonal Railways, all yard examination points should be upgraded to "A" category in the current year itself.

2.5. Planning for operation of augmented infrastructure also needs to be done parallelly to help in start of its utilization, immediately after completion.

3. Audit of the existing freight maintenance infrastructure and remedial action thereon:

3.1. An inter-railway quality audit of wagon maintenance was organized recently, which included audit of maintenance infrastructure also. However, the Zonal Railways should undertake such audit themselves also and deficiencies identified during audit to be made up in a time bound manner.

4. Audit of the freight maintenance procedure in Yard, depots and Workshops:

4.1. Along with the proper maintenance infrastructure, it is of utmost importance that freight maintenance is undertaken in accordance with the various instructions issued by Railway Board, RDSO, CAMTECH, etc.

4.2. This also needs to be covered in the audit by the Zonal Railways and accordingly necessary corrective action to be taken.

4.3. Adequate availability of material, manpower (in case of shortage-outsourcing), tools & gauges, etc. should also be covered in the audit.

5. Implementation of modification in Wagons as per RSP allotment/procurement of material sanctioned in RSP

5.1. Various modifications in wagons to improve reliability/operations have been sanctioned under RSP from time to time.

5.2. These modifications include, amongst others: door blocking and door height reduction in BOXN variants, retrofitment of BMBS/Conventional brake system in wagons having M/s Knorr Design BMBS, twin pipe conversion, door modification of BCNHL wagons, modification in bogies of wagons to increase speed potential, upgradation/rehabilitation of wagons, etc. Details of allotment done for the Zonal Railways and progress so far are given in enclosed Annexure "B".

- 5.3. Close monitoring of implementation of these modifications is required.
- 5.4. Also, allotment to Zonal Railway for Provision of Unit Exchange Spares within workshops and maintenance depot (wagons) and upgradation of existing rolling stock to improve reliability and safety was done vide Board's letter 2022-B-104 dated 03.03.2023 & 2023-B-104 dt. 08/06/2023.
- 5.5. Sanction of specific works/items under this umbrella needs to be processed and implemented.

It would be appreciated if an action plan is prepared by the ZRs covering all the issues mentioned above and sent to Board by 31st July'23.

With best wishes,

DA: As above

Yours Sincerely


23-06-23
(Naveen Gulati)

**General Managers
All Zonal Railways**

Copy to:

M/O&BD-for kind information
DG/Safety- for kind information

Funds provided to Railways in Umbrella Work in PH-42

Railway	UW 2022-23 Augmentation of freight maintenance facilities in Indian Railways (in Crore of Rupees) (ref: Board's lr. no. 2022-B-106 dt. 16.06.2022)	UW 2022-23 11 Next Generation Freight Maintenance Yards (in Crore of Rupees) (ref: Board's lr. no. 2023-B-106 dt.28.04.2023)	UW 2023-24 Augmentation /Upgradation of Wagon Maintenance infrastructure (in Crore of Rupees) (ref: Board's lr. no. no. 2023-B-106 dt. 18.04.2023 & 19.06.2023)
CR	107.64	136.55	60
ECoR	13.76	136.55	325
ECR	1.41	136.55	650
ER	76.36	136.55	300
NCR			50
NER	6.62		35
NFR	92.08	136.55	
NR	20.88	136.55	10
NWR		-	80
SCR	81.21		240
SECR	42.07	136.55	100
SER	177.94	273.05	350
SR	33.14		25
SWR	1.04		100
WCR	58.44	136.55	50
WR	105.62	136.55	100
Total	818.21	1502	2475

Progress of RSP Works										
Rly	Retrofitment of Twin Pipe		Complete Renewal of End wall, side wall and flooring of BOXN wagon		Upgradation and Rehabilitation of BOXN wagons to BOXNR		Conversion of Fixed bulk head to foldable bulk head		Rehabilitation of BOXNHL Wagon	
	Allotted	Progress	Allotted	Progress	Allotted	Progress	Allotted	Progress	Allotted	Executed
CR	8900	5709	640	284	200	200	0	0	0	0
ER	23420	19209	1780	1139	790	347	100	5	500	0
ECR	9330	2883	200	14	900	14	0	0	2200	0
ECoR	7000	4590	1200	680	0	0	0	0	0	0
NR	23355	19562	400	180	700	618	150	113	0	0
NCR	18820	10757	1700	1440	1900	1228	200	88	0	0
NER	4405	2183	0	0	0	0	0	0	0	0
NFR	6500	4267	0	0	0	0	0	0	0	0
NWR	5415	4568	206	194	1170	1151	0	0	0	0
SR	9460	5838	400	400	800	700	250	71	0	0
SCR	18350	12749	2376	2176	800	600	0	0	0	0
SER	14250	2857	1270	799	1580	1223	600	0	800	0
SEC R	32940	24350	2850	2460	3000	2285	800	236	1000	0
SWR	4520	2518	350	215	480	480	0	0	0	0
WR	7060	4721	0	0	1050	1050	100	25	0	0
WCR	24720	19900	1250	875	2123	1782	0	0	500	92
Total	218445	146661	14622	10856	15493	11678	2200	538	5000	92

Rly	Progress of RSP Works									
	Provision of fitment of two doors on BOXNS		Complete renewal of roof and body repair of BCN wagon		Rehabilitation of BOBR/BOBRN wagons		Modification of BCNHL wagons to make them safer and user friendly (BCNHL wagon Door modification)		Special Repairs of wagons (Blocking/Reduction of door)	
	Allotted	Executed	Allotted	Executed	Allotted	Executed	Allotted	Executed	Allotted	Executed
CR	0	0	0	0	0	0	100	65	1000	0
ER	0	0	105	0	1200	183	0	0	1000	0
ECR	0	0	0	0	200	0	0	0	3400	0
ECoR	1500	1049	0	0	0	0	0	0	3000	0
NR	0	0	1178	778	0	0	964	898	1000	0
NCR	0	0	652	652	600	130	400	400	0	0
NER	0	0	0	0	0	0	0	0	0	0
NFR	0	0	0	0	0	0	0	0	0	0
NWR	0	0	0	0	0	0	0	0	0	0
SR	0	0	808	608	300	200	0	0	500	0
SCR	0	0	526	418	1270	420	2130	1763	1100	0
SER	500	0	361	361	600	300	0	0	3000	0
SEC R	900	0	1100	948	600	0	0	0	2500	0
SWR	0	0	0	0	0	0	0	0	1000	0
WR	0	0	0	0	0	0	2150	2150	500	0
WCR	0	0	125	119	0	0	780	600	3000	0
Total	2900	1049	4855	3884	4770	1233	6524	5876	21000	0

Rly	Progress of RSP Works						UW 2022-23 (PH-21) Provision of Unit Exchange Spares within workshops & maintenance depot (wagon) and upgradation of existing of rolling stock to improvement reliability & safety (Ref :Board's letter 2022-B-104 dated 03.03.2023 & 2023-B-104 dt. 08/06/2023)
	Replacement of Brake system in wagons having BMBS of M/s. KBIPL		Wagon for departmental use on other than BG section of IR		Upgradation of wagon for 100 kmph		
	Allotted	Executed	Allotted	Executed	Allotted	Executed	Allotted
CR	0	0	0	0	258	0	20
ER	1400	5	0	0	3169	47	40
ECR	0	0	0	0	0	0	1.2
ECoR	0	0	0	0	0	0	8.48
NR	400	0	33	1	479	12	13.8
NCR	1500	24	0	0	2558	126	2
NER	0	0	46	0	15	0	1.45
NFR	0	0	0	0	47	0	34.5
NWR	0	0	0	0	1050	84	4.23
SR	250	0	15	0	1059	47	20
SCR	1110	15	0	0	3002	544	60
SER	500	0	0	0	2573	0	34.78
SECR	1250	0	0	0	2458	47	40
SWR	0	0	0	0	0	0	6
WR	0	0	0	0	291	21	13
WCR	1090	24	0	0	1044	235	6
Total	7500	68	94	1	18003	1163	305.44