

No. 2021/M(C)/58/1/Mtg. & Conf.

(E-Office No. 3363200)
New Delhi, Date: 27.07.2023

Sub: Minutes of Meeting regarding various safety issues on 12.07.2023.

Ref: Railway Board letter no.2021/M(C)/58/1/Mtg. & Conf. dated 11.07.2023.

1. A VC meeting was held with PCMEs of all Zonal Railways, PUs & RDSO on 12.07.2023 regarding various Safety issues pertaining to coaches and wagons.
2. Following officers were present in the meeting:

From Railway Board	
1. Sh. Naveen Gulati, MTRS.	
2. Sh. R. K. Mangla, AM/PU	
3. Sh. A. K. Chandra- PED/W&D	
4. Sh. Ravi Jain – EDME/ Chg.	
5. Sh. V.K. Agarwal- EDME/Freight	
6. Sh. Shailendra Singh- EDME/EnHM & Proj.	
7. Sh. Anirudh Kumar, EDME/Modernization	
8. Sh Tej Pratap Narayan ,OSD/EE/G	
9. Sh. Suman Kumar Tanti, Dir.ME/Chg.	
From RDSO	
1. Sh. Dinesh Shukla, PED/RS/ RDSO	
2. Sh. R.K. Gupta, PED/PS&EMU/RDSO	
3. Sh. A. K. Singh, ED/Carriage/RDSO	
4. Sh. Manish Thapliyal - ED/Wagon RDSO	
From Zonal Railways and PUs	
1. Sh. Sunil Kumar - PCME/ CR	11. Sh. S.K. Pankaj – PCME/SECR
2. Sh. B. Moitra- PCME/ ECoR	12. Sh. P.K. Mondal – PCME/SER
3. Sh. A. K. Agarwal- PCME/ECR	13. Sh. Gautam Dutta – PCME/SR
4. Sh. S.R. Ghoshal - PCME/ER	14. Sh. U Subba Rao – PCME/SWR
5. Sh. S. P. Singh- PCME/NCR	15. Sh. Hamid Akhtar – PCME/WCR
6. Sh. M. K. Agrawal - PCME/NER	16. Sh. Surbhit Mathur – PCME/WR
7. Sh. Jotingra Digi - PCME/NFR	17. Sh. S. Srinivas – PCME/ ICF
8. Sh. R.K.Sangar - PCME/NR	18. Sh. A. K. Jain – PCME- RCF
9. Sh. Amitabh - PCME/NWR	19. Sh. S.S. Kalsi – PCME- MCF
10. Sh. K.S. Jain- PCME/ SCR	

3. Following items were discussed and decisions taken:

Sr. No.	Detailed discussion points	Action by
1	MTRS addressed the gathering and emphasized that in view of recent cases of fire incidences in coaches, crack in under frame/bogie n ICF coaches, all Zonal Railways should enhance level of safety examination of rolling stock and failures related to maintenance and design should be investigated in detail.	All PCMEs/ Zonal Railways and Production Units
2.	Discussion on agenda items	
Item 1	Progress of fire detection and suppression system in Power cars and Pantry cars, fire detection and alarm system in AC coaches & fire extinguishers in Non AC coaches	

Am

i.	PCMEs/ICF, RCF and MCF Production units confirmed that all new AC coaches are being provided with Fire detection cum alert system, and all new power Cars and Pantry Cars are being provided with Fire detection cum suppression system. MTRS advised all PUs to ensure the same without fail.	PCMEs/ ICF,RCF & MCF
ii.	All PCMEs Zonal Railways were advised to ensure the same while commissioning of the new coaches.	PCMEs/All ZRs
iii.	Zonal Railways wise details of AC coaches without fire detection systems and Power Cars/Pantry Cars without fire detection cum suppression system were discussed in detail. All Zonal Railways were advised to: <ul style="list-style-type: none"> a. Expedite retro-fitment of the same in all eligible coaches by Dec 2023. Adequate sanctions for full coverage are available and allotted to all concerned Zonal Railways as per their holding of rolling stock. b. Feed the data pertaining to Fire systems for all coaches in CMMS within 10 days and furnish monthly position of fitment to Board. 	PCMEs/All ZRs
iv.	Aerosol based Fire detection cum suppression system installed in Vande Bharat toilets was also discussed. ED/Carriage/RDSO is advised to study the system in detail and accordingly submit recommendation for provision of suitable fire suppression system in Toilets of AC coaches by 31st July 2023.	PED/PS & EMU/RDSO ED/Carriage
v.	The detailed instruction with action plan in relation to fire detection system available in Vande Bharat trains may also be issued, if required for operation and maintenance of the same in the Zonal Railways.	
vi.	NWR requested additional allotment for AC coaches and ECOR requested provision of additional funds for related RSPs items. Zonal Railways were advised to proceed to expedite the work, in the interim period. All Railways should submit their requirement of allotment and funds to Board by 20.07.2023 so that additional allotment and funds can be issued as required.	PCMEs/All ZRs EDME/ EnHM & Proj.
vii.	RDSO was further advised to: <ul style="list-style-type: none"> a. Examine and recommend fire detection cum suppression system for conventional MEMU/EMU and also for ICF Non AC coaches 31st July 2023. b. Study and recommend solutions for Toilets of both AC coaches and Non-AC coaches and passenger area for Non AC coaches. c. Expedite the trial with Northern Railways in one Non AC coach for provision of Fire detection cum Alert system. d. RDSO was also advised to issue scheme for making suitable enclosure and installation of suitable fire extinguishers in old ICF coaches with wall mounted panels. 	PED/PS&EMU/ RDSO PED/RS/ RDSO

Am

viii.	Zonal Railways were also advised to expedite retro-fitment in eligible DEMU DPC coaches as per RDSO guidelines. Necessary sanctions under RSP will be obtained and communicated in due course.	PCMEs/All ZRs
ix.	Zonal Railways should expedite up gradation of existing manual fire detection cum suppression system installed in power cars and pantry cars into automatic fire detection cum suppression system. Board should issue allotment of related RSPs to all Zonal Railways on priority as per requirement.	PCMEs/All ZRs Dir.ME/ Chg./ RB
x.	PCME/WR and PCME/RCF raised the matter of review of specification, ED/carriage/RDSO was advised to examine and resolve related issues by 31st July 2023. If required related modification in specifications may also be issued accordingly.	PCMEs/ICF,RCF, & MCF and PED/RS/ RDSO
xi.	Zonal railways also desired that vendor directory for fire & smoke detection system to be issued.	DG/ RDSO
2	Action taken on cases of Wheel disc crack of M/s SAIL, Durgapur make	
i.	In view of recent two cases of cracks in wheel discs of Durgapur steel plant, all workshops have been advised to carry out UST testing on rim and treads of each wheel whenever wheels are sent to workshops. This should be followed religiously and compliances for adherence of the same should accordingly be sent to Board.	PCMEs/All ZRs
ii.	The first lot of 30 Wheel Disc of heat lot No. 17/344 of DSP make have been identified and removed from train services. PCME/CR and ED/carriage/RDSO were advised to get all these wheels disc examined as per RDSO guidelines and submit detailed report to Board for further action in the matter.	PCME/CR PED/RS/RDSO
iii.	All zonal Railways were advised to identify the wheels of second lot of 65 Nos. of Wheel Disc of heat lot No. 17/345 received from MCF and to remove these wheel discs from train service and get it examined as per RDSO guidelines immediately.	PCMEs/All ZRs
iv.	Zonal Railways were further advised to Identify all the remaining 997 wheels supplied against the PO order no. 2017/RSF/874/41/SAIL/1 dated 06.02.2018. One time removal and detailed inspection of all these wheels should be done as per "Code of Procedure for UST of LHB wheels in service" within a period of 3 months. These Wheels may be permitted in service after ensuring no integrity defects in rim.	PCMEs/All ZRs
v.	Details of Wheels should also be regularly filled in CMMS during attention to Wheels in Workshops and Depots without fail. One time entry should be completed in 15 days i.e by 31.07.23.	PCMEs/All ZRs GM/CMMS/CRIS
vi.	RDSO should examine the advised UST procedure and probe design and reaffirm to Zonal Railways.	ED/ M&C/ RDSO
3	Modification work of Junction box in Garib Rath coaches as advised by RDSO	
i.	In view of recent smoke case in Garib Rath	PCMEs/All ZRs

As per

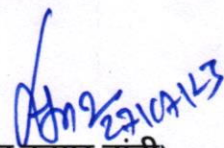
	coach junction box , RDSO has issued the instructions vide letter No. EL/7.2.5/Garib Rath dated 27.06.2023. The same should be complied and followed. Zonal Railways were advised to monitor the same and complete the same within 03 Months and monthly compliance report should further be sent to RDSO under intimation to Board.	
ii.	Zonal Railways and PUs were advised to follow RDSO Code of practices viz. RDSO/PE/O/0008-2005(Rev.0) - Code of practice for prevention of fire in AC coaches strictly.	PCMEs/All ZRs All PUs
4	Action plan in view of crack in sole bar of ICF coach of NFR	
i.	In view of recent case of sole bar crack in Coach No. NFR/045061/WGACCW all Zonal Railways were advised to strengthen Corrosion inspection and repair in workshops.	PCMEs/All ZRs
ii.	Zonal Railways are further advised to ensure that corrosion repair work related to sole bar and cross bar are witnessed at officer level within the workshops.	PCMEs/All ZRs
iii.	Zonal Railways are further advised that Coaches requiring repetitive corrosion repairs in sole bar, cross bar and other component in consecutive POH schedules may be considered for condemnation on age cum condition basis.	PCMEs/All ZRs
5	Suggestion for MLR of ICF Coaches	
i.	In view of recent case of sole bar crack, running of ICF coaches of age profile of 20 years and likely continuation of operation of ICF coaches for more than 10 years requirement of MLR was discussed.	PCMEs/All ZRs
ii.	It was suggested to review the criteria of MLR and also to include requirement of man hour for corrosion repair.	PCMEs/All ZRs
iii.	Zonal Railways were advised to examine the POH works and corrosion repair involved and make suggestion to Board by 21st July so that a comprehensive policy framework is provided to Zonal Railways.	PCMEs/All ZRs
6	Expediting mixing of wagons to achieve laid down target of max. % of Knorr Design BMBS in a rake	
i.	PDC of achieving max. 75% of Knorr Design BMBS wagons in BOXNHL rakes and 70% in BOXNHL25t rakes is July'23 and that of 50% Sept'23. In BTFLN wagons PDC of 50% mixing with BTPN wagons is July'23. In other rakes max. 35% mixing PDC is Oct'23. This should be closely monitored.	PCMEs/All ZRs
7	Expediting blocking and door height reduction of wagons	
i.	Blocking of two doors in 50% of total population of BOXN variant wagons and reduction in height of all doors of all BOXN variant wagons, including BOST variants, to be closely followed up. This is to be done in both workshops and open lines. RSP provision for taking up this work in open line has been given, necessary contracts should be in place by end of July'23.	PCMEs/All ZRs

Handwritten signature

8	Action on letter issued on 23rd June'23 regarding comprehensive review of wagon maintenance	
i.	Action plan for comprehensive review of wagon maintenance is to be submitted by 31st July'23, as advised in the DO letter of M/T&RS addressed to all GMs of ZRs.	PCMEs/All ZRs
9	Strengthening system of hiring of road machinery for expediting accident restoration	
i.	System of hiring of road machinery, including feasibility of carrying the same on wagons in inaccessible areas, is under consideration in Board. Railways also to undertake study in this regard.	PCMEs/All ZRs
10	AMCs, rate contracts and provision of initial spares by ICF to Zonal Railways and other maintenance support for initial years with regard to Vande Bharat.	PCMEs/All ZRs PCME/ICF
i.	The matter of maintenance requirement for Vande Bharat was discussed in detail. CME/Train set/NR made a brief presentation in the matter.	PCME/NR
ii.	Zonal Railways requested Board for policy for maintenance of niche items covered with regular warranty but not covered through AMCs. It is expressed that such items suffer due to inadequate maintenance and often becomes defunct/gets removed or replaced with old technology less sophisticated similar components.	
iii.	CME/Trainset/NR has identified systems/items to be covered with different set of maintenance philosophy as indicated below: <ul style="list-style-type: none"> a. Systems already covered under a 5 Year CAMC and to be continued under CAMC. b. Niche/Critical Systems under normal warrant, requiring regular maintenance schedules to be covered under PMC(preventive maintenance contract) c. Systems to be maintained in house with extensive availability of UTEX (Unit Exchange spares). d. Systems to be maintained in house with rate contracts for major schedules/overhauling. e. Systems being maintained in house under normal warranty and can also be maintained in-house with UTEX. f. Works and other provision of touch and feel items requiring local works contract for maintenance. g. Other items 	
iv.	PCMEs/ICF were also advised to examine execution of centralized AMCs for systems proposed and rate contract for major schedule/refurbishments of items proposed and submit recommendation to CME/IT/NR for further submission to Board.	
v.	All PCMEs appreciated the effort put in by NR.	PCME/ICF

vi.	All zonal Railways were further advised to send related suggestions further so that a comprehensive policy support from board can be issued.	PCMEs/All ZRs
vii.	NR was advised to submit detailed report with recommendations incorporating suggestions from Zonal railways and ICF/RDSO to board by 31st July 2023.	PCME/NR
11	The meeting ended with vote of thanks to the chair	

The above minutes is issued with the approval of competent authority


 (सुमन कुमार तांती)
 निदेशक / यांत्रिक इंजी. को.
 रेलवे बोर्ड

C/- PSO to MTRS, and DG/RDSO/LKO for kind information and necessary action please.