

**Points noted during the inspection of EDME/Coaching of DDN C&W depot on 11.05.2023**

Accompanied by : Sh. Samarth Singh, Sr.DME/C&W/MB

SN	Observation	Action to be taken by
1.	The holding of DDN depot is 133 Coaches (118LHB and 15 ICF coaches). There are 02 washing lines L.No. 4 & 5 of 19 ICF (17 LHB) coach capacity each and 01 RPC-IV L.No. 6 of same capacity. 05 Primary trains are being maintained by DDN depot out of which 04 are Mail Express LHB rakes and 01 passenger ICF rakes. 02 lines are available in Sick line of DDN depot with Coach holding capacity of 4 nos.	PCME/NR
2.	<ul style="list-style-type: none"> <li>Provision of OHE in washing pit for attention to Vande Bharat trains should be completed at the earliest. For Unscheduled/DVS attention, provision of EOT crane and Pit wheel lathe will need to be planned immediately.</li> <li>It was informed that Regular training for Vande Bharat Express is being carried out at all levels. Same must be continued in future as well to keep up with the technological advancements.</li> <li>All concerned depots are advised to make suitable arrangements for critical items, tools, M&amp;Ps required for smooth operation of Vande Bharat Express.</li> </ul>	GM/NR PCME/NR
3.	<p>A number of modifications have been advised by RDSO based on exhaustive case studies of failures across IR. All working staff should be well versed with the purpose, details of modification etc in coaches, Depots should develop culture of conducting training cum awareness sessions for better implementation of prevailing guidelines. All modification works of RDSO were reviewed. It was informed that:-</p> <ul style="list-style-type: none"> <li>Modification of escort make CBC in all 23 coaches has been completed.</li> <li>Modification of DELLNER make CBC in all 5 coaches has been completed.</li> <li>Provision of Dog Box in all 15 coaches of MB division have been provided.</li> <li>3 coaches are balance for conversion of manual fire suppression system into automatic fire suppression system. It was informed that supply is expected by the end of May-23. Fitment of same needs to be expedited.</li> <li>The FIBA modification have been completed in all primary base coaches of MB division except 2 coaches of BE depot. P.O of supply and fitment of FIBA modification in 2 balance coaches has been issued and work will be completed within a week.</li> <li>The pipe modification in FIBA from SAE 100 R1AT to SAE 100 R3 was discussed. The work is yet to be started and needs to be expedited.</li> <li>It is apprised that the case for fitment of additional dirt collector in FIBA is under process. The same needs to be expedited.</li> <li>Provision of aspiration type smoke sensors by replacing heat sensors in lavatories is still pending. This should be completed on priority.</li> </ul> <p>All Air brake, FIBA, WSP, CBC, Provision of FDSS in power car and pantry car related modifications issued by RDSO and safety drives issued by RB should be completed on priority.</p>	PCME/NR  PCMEs all Zonal Railways
4.	<p><b><u>Technological Up gradation of depot</u></b> : It was stressed that there is need to capture and monitor data of critical systems such as WSP, FSD, FSSD, CCTV etc in LHB coaches for proper data analysis which facilitates in implementation of predictive and condition based maintenance. This is even more in pretext of Vande Bharat train being introduced.</p> <p>A proper monitoring cell may be set up with Proper space, dedicated data analysis</p>	GM/NR  PCMEs All Zonal Railways



	equipment (Computers/ Laptops, Railnet, Analytical software from OEMs of WSP, FSSD etc) and infrastructure. This facility may also be used for real-time monitoring of RAILMADAD, OMRS alerts etc as well.	
5.	It was apprised that all Safety drive for checking CBC front carrier stiffener plate for DDN based primary coaches has been completed and no abnormality was noticed. Besides, CBC schedule forms for SS-I have been modified. However, SS-1 and D-3 schedule forms are yet to be updated even though this was highlighted in the previous inspection note of undersigned to Indore dated 12.08.2022. All zonal railways were also asked to provide conformation for the same. All Zonal Railways should immediately update the schedule forms and send confirmation to Board.	PCME/NR  PCMEs all Zonal Railways
6.	CBC gauging procedure was discussed with sick line staff, the knowledge of staff regarding CBC gauge was adequate.	PCME/NR
7.	Depot is using digital SWTR for all pressure testing which is a good initiative of DDN Coaching Depot. All Zonal Railways should process for the procurement of digital SWTRs.	PCMEs all Zonal Railways
8.	The functioning of WSP is very essential to avoid wheel shelling cases. Working WSP Polaroid simulator (Developed In-house) was checked on coach no 143912 LWACCN and found satisfactory. System However, the condition of the simulator was not good. The same needs to be maintained in good condition. All Zonal Railways should also immediately start downloading of WSP data and analysing them for effective monitoring.	PCMEs all Zonal Railways
9.	It was apprised that Jet cleaning of bogies in all DVS coaches which are being placed in sick line for any kind of attention besides D2 schedule is being carried out, which is appreciable.	PCMEs all Zonal Railways
10.	The mechanism of monitoring of OMRS alert system in coaches was discussed. Proper guidelines of OMRS alert coaches' needs to be followed and proper record keeping should be done. In case of repeated OMRS alerts in a particular coach, detailed investigation of the bogie may be carried out for identifying the root cause.	PCMEs all Zonal Railways
11.	It was apprised that in CMMS, Heat no./Batch no. of wheel is accepted only of 6 digit, S.No of wheel is accepted only 5 digit, Manufacturer of wheel is accepted only of 3 alphabet, Manufacturing date of wheel is accepted in dd/mm/yyyy format only while on wheel the stampings of manufacturing date on wheel is available in MM/YYYY portal, the same needs to be modified on <b>CMM</b> portal. ED/Carriage/RDSO may coordinate with GM/CRIS and define proper format based on drawing. This should be done by 25.05.2023.	ED/Carriage/RDSO GM/ CRIS
12.	The knowledge of supervisor regarding the size of compensation ring in different type coaches and spring instruction board (in Rajbhasa with pictorial representation) was found lacking. Detailed instructions should be displayed in sick line for better knowledge of supervisor and staff.	PCME/NR  PCMEs All Zonal Railways
13.	750 Volt feeder supply is available at DDN depot. The work of 750 Volt supply of BE depot is under process. Record of savings on account of 750V system should be documented properly.	PCME/NR  PCMEs All Zonal Railways
14.	It was advised to improve position of Rail Madad complaints regarding Bed Roll of train no. 12401/02 (Nanda Devi Express) as these were quite high in Apr-23. Sr.DME/C&W apprised that the previous linen distribution contractor's performance was not satisfactory in Apr-23 as it was near completion. New contract of linen distribution has started and complaints have reduced, the same is being monitor by	PCME/NR  PCMEs All Zonal Railways



	<p>divisional level.</p> <p>Sr.DME/C&amp;W/MB also informed that Rail Madad complaints are being monitored 24x7 through dedicated team which coordinates with onboard escorting staff EHK and linen distribution staff for timely resolution of the complaint within 30 minutes. Moreover, maintenance related complaints are analysed and forwarded to Maintenance Supervisor for proper attention during Primary maintenance. In addition, separate whatsapp groups have been created at Divisional Level for regular monitoring of Primary and Other train complaint.</p>	
15.	<p>The mechanisms of bio toilet sample testing was discussed and it is apprised that one Lab is set up at HW for testing of bio toilet effluent. Last month only 69 nos bio toilet effluent samples were tested. 10% Sample testing as per Railway Board instructions is being not done. Sr.DME/C&amp;W/MB apprised that another bio toilet lab is being set up at BE depot for increasing the capacity of bio sample testing but target of 10% may still not be achieved. Outsourcing of Bio sample testing should be done to enhance the capacity.</p> <p>SrDME/C&amp;W/MB also apprised that Current practice is to top up on D2 Schedule or/and foul smell cases. However, proper record keeping and monitoring of the same should be done</p> <p>Data of Cases of Foul smell to be captured and analysed with Bio Lab report for better correlation. In addition, provision to be made in <b>CMM</b> portal to record data of bacteria top up, data of sample testing etc. CRSE/NR to coordinate with GM/CRIS to provide the functionality.</p>	<p>CRSE/NR GM / CRIS</p> <p>PCMEs All Zonal Railways</p>
16.	<p>Sr.DME/C&amp;W informed that, the drive for checking intactness and proper torquing of fasteners of earthing device, phonic wheel, axle box cover and control arm was launched and all primary LHB coaches was covered under the drive. The record was checked and none of deficiency was notice during the drive.</p>	PCME/NR
17.	<p>RDSO's letter dt 20.2.23 related to Punctuality loss cases due to failure of installation lever &amp; other component of Air suspension system was discussed and the modification is checked in coach no, 121755 LWACCN NR, but still the modification not done, the same should be started on priority.</p> <p>FIBA failure cases are showing an increasing trend. All Zonal Railways should immediately start the modification work. Also CRSEs should regularly monitor various modifications advised by RDSO/Pus from time to time to ensure immediate implementation.</p>	PCMEs all Zonal Railways
18.	<p>Consolidated file of RDSOs instructions should be available in C&amp;W complex for up gradation of knowledge of staff, which can be easily referred for clarifications.</p>	PCMEs all Zonal Railways
19.	<p>Torquing knowledge of staff was found to be satisfactory. All nuts/bolts are being marked with florescent paint tubes after torquing which is a good practice</p>	PCMEs all Zonal Railways
20.	<p>SSE/AC/DDN informed that 100% AC coaches are working in automatic mode. Regular monitoring of proper functioning of AC coaches need to be done in view of summer season.</p>	PCMEs all Zonal Railways
21.	<p>Month wise fuel consumption record of Power cars is being maintained. However, the data should be monitored and analyzed in detail to see cases of unusually high consumption.</p>	PCME/NR PCMEs all Zonal Railways
22.	<p>It was seen that data pertaining to maintenance of TL/AC systems is not being fed in CMMS regularly. These needs to be fed and analysed regularly to identify coaches with repeated problems.</p>	PCMEs all Zonal Railways

23.	DDN कोचिंग डिपो का राजभाषा संबंधित कार्य संतोषजनक पाया गया। सभी कर्मचारियों को राजभाषा में काम करने के लिए प्रोत्साहित किया गया।	
24.	<p>Inspected Train no 12402 Coach no 224858 during journey. The condition of First AC coach was not good. Following deficiencies were noted:</p> <ul style="list-style-type: none"> <li>a) It is a new coach turned out from RCF in February 2023. Workmanship was found to be of poor quality. Both the hinge doors to the corridor were found loose from the top hinge and were sagging.</li> <li>b) Toilet occupation lights were defective.</li> <li>c) Toilets, washbasin were not cleaned.</li> <li>d) Multiple stickers of OBHS, Train lighting &amp; AC assistance were found at different locations. All Zonal railways should at least explore providing one sticker with name and contact of all concerned agencies. Similarly, common control should be set up for monitoring of Rail Madad complaints for cleaning, fittings, toilets, Train lighting and AC complaints.</li> <li>e) Bed sheets were haphazardly stacked in Bathroom area.</li> <li>f) Working of flushing of toilet no..was found to be less. This should be investigated.</li> <li>g) No polythenes were provided in dustbins by the OBHS staff.</li> </ul>	<p>PCME/NR</p> <p>PCME/RCF</p>

28/5/23

(रवि जैन)

कार्य.निदेशक / यांत्रिक इंजी. को.  
रेलवे बोर्ड

No: 2023/EDME/Chg/Inspection notes/2

Date: 18.05.2023

For kind information and necessary action:

1. GM/Northern Railway.
2. PCMEs All Zonal Railways.
3. PCME RCF.
4. ED Carriage RDSO.
5. CRSE/NR.
6. GM/CRIS.

Copy to:

1. PSO to MTRS for kind information of MTRS.
2. PSO to AM/ME for kind information of AM/ME.
3. OSD/EE(G) & DME/Chg for information and necessary action.