भारत सरकार GOVERNMENT OF INDIA
रेल मंत्रालय MINISTRY OF RAILWAYS
(रेलवे बोर्ड RAILWAY BOARD)

No.2021/M(N)/951/34 Pt.3(E-3432344) New Delhi, Dated: 17.06.2023

GGM (Mech.-1)
DFCCIL, New Delhi

Sub: Freight Examination Pattern for operation of RO-RO service on DFC

Ref : (i) Board's letter no. 2018/M(N)/951/34 Pt-6 dated 24.06.2021
(ii) DFCCIL's letter no. HQ/ML/MANT/MPMA/201601236 dated 06.06.2022
(iii) Board's letter no. TCR/1078/2020/Ro-Ro/DFCCIL/3333602 dated 19.04.2023
(iv) DFCCIL's letter No. HQ/ML/MANT/MPMA/201601236 dated 09.05.2023

Please refer to letter under ref. (i) wherein instructions were advised for freight examination pattern for operation of RO-RO service on DFCCIL on trial basis for six months. Vide letter under ref. (ii), DFCCIL has requested for enhancing BPC validity to 7500 Km/35 days (from 6000 Km/30 days) whichever earlier for CC examination of RO-RO rakes. DFCCIL has further requested vide letter under ref. (iv) to extend the policy guidelines of freight examination pattern for operation of RO-RO on DFC upto **31.10.2023** in terms of Board's letter in the matter under ref. (iii).

2.0 The matter has been examined and it has been decided to increase the policy guidelines of freight examination pattern for operation of RO-RO on DFC **till the Commercial notification validity** with BPC validity of 6000 Km or 30 days whichever is earlier. Further, Safe to Run examination before & after loading will be an essential condition.

DA: as above

Vivek 19/06/23

(Vivek Mohan)
Director Mech. Engg. (Frt.)
Email – dmef@rb.railnet.gov.in

Copy to:

1. **AM/TT**-Railway Board – for kind information
2. **PCME/ NWR** - Jaipur – for kind information and necessary action, please
3. **PCMEs/All ZRs** except NWR – for kind information

भारत सरकार **GOVERNMENT OF INDIA**
रेल मंत्रालय **MINISTRY OF RAILWAYS**
(रेलवे बोर्ड **RAILWAY BOARD)**

रेल भवन, नई दिल्ली- 110001, तिथि

No. 2018/M(N)/951/34Pt.6 **Rail Bhavan, New Delhi-110001, dated 24.06.2021**

Principal Chief Mechanical Engineer **North Western Railway** **Jaipur**	**GGM** **DFCCIL, 5th. Floor, Pragati Maidan** **Metro Station Building Complex** **New Delhi-110001**

Sub: Freight examination pattern for operation of RO-RO Services on DFC

Ref: DFCCIL's letter No. HQ/ML/Maint(MPMA)/02/2020/201601236 dtd. 28.05.2021

W.r.t. above mentioned letter, it has been decided to conduct a trial of 06 months for CC Pattern of Examination of BRNA RO-RO rakes for service between New Rewari & New Palanpur as per the following conditions:

1. The BPC will have a validity of 6000km or 30 days whichever is earlier. The BPC issued for CC based operation shall have clear endorsement that the BPC is valid for operation in the identified circuit only between New Palanpur & New Rewari (with trip to base depot for CC examination).
2. The rakes will be based at either New Rewari / Pali OR FL depot NWR. The basing has to be decided for the entire period of trial before start of operation.
3. The rake will be offered for Safe to Run examination to TXR after every round trip and record shall be kept of the number and type of damages that get detected during STR as well as CC examination.
4. Post loading check in all cases shall be ensured by DFCCIL (including but not limited to lashing and securing of road vehicles, soundness of wagon etc.).
5. The trial will be valid for 6 months from the date of start.
6. Before start of operation valid sanction of RB as per extant policy must be obtained by DFCCIL.

Signature Not Verified
Digitally signed by VIVEK MOHAN
Date: 2021.06.24 17:28:28 IST

DA: As above **(Vivek Mohan)**

Dir. Mech. Engg. (Freight)
Railway Board
Telephone No. 011-23047448

Email: ***dmef@rb.railnet.gov.in***

CC/- EDTT/F, ED/Coal - Railway Board , for kind information

Room No. 309C, Rail Bhawan, Raisina Road, New Delhi-110001

006099/2021/MECHANICAL(WAGON)

डेडीकेटेड फ्रेट कोरीडोर

डेडीकेटेड फ्रेट कोरीडोर कॉर्पोरेशन ऑफ इण्डिया लि
भारत सरकार (रेल मंत्रालय) का उपक्रम
Dedicated Freight Corridor Corporation of India Ltd.
A Government of India (Ministry of Railways) Enterprise

No. HQ/ML/MANT (MPMA)/02/2020/201601236 Date: 28 .05.2021

EDME/Freight
Railway Board
Rail Bhawan, New Delhi

Sub: Freight Examination Pattern for operations of Ro-Ro services on DFC.

Operation of Ro-Ro services on DFC is likely to commence very shortly. During meeting held on 02.03.2021 with Additional Member/ME/RB, it was requested that freight examination of Ro-Ro rakes should be on CC examination pattern with validity of 7500 KM or 30 days whichever is earlier. Presently examination of Ro-Ro rakes is being done at FL C&W depot and this involves empty running. It is learnt that Board has already approved creation of C&W maintenance facilities for Ro-Ro rakes at DFC New Rewari by IR. Till such time, it is requested that the maintenance be carried out by IR at Pali.

Rake of 25 BRNA wagons received after modification was offered to FL C&W point/NWR for examination and issuing BPC. FL depot issued BPC as per Premium end to end examination Pattern. In view of above, it is requested that necessary instructions may please be issued to NWR for carrying out maintenance of BRNA wagons for Ro-Ro services on DFC on CC Pattern.

This issues with approval of Director/OP&BD.

28/5/21
(S.M.Sharma)
GGM/Mech
DFCCIL

डेडीकेटेड फ्रेट कोरीडोर कार्पोरेशन ऑफ़ इंडिया लि.
Dedicated Freight Corridor Corporation of India Limited
(भारत सरकार का उपक्रम)
(A Govt. of India Enterprises)
5th Floor, Supreme court Metro Station Building Complex, New Delhi -110001

No. HQ/ML/MANT/MPMA/201601236 Dt. 06.06.2022
E-office No.- 11387

DME (Freight)
Railway Board
New Delhi

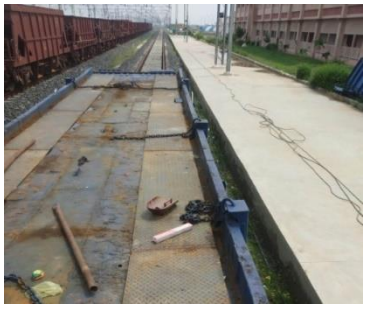
Sub: Trial report of examination pattern of modified BRNA rakes used for Ro Ro service over DFC

Ref: Your L/No. 2021/M(N)/951/34 dt 01.06.2022

In reference to above, the comments from DFC are as follows: -

1. After issue of Director, Traffic Commercial (Rates)/Railway Board's L/No. TCR/1078/2020/Ro-Ro/DFCCIL/3333602 dated 15.01.2021 letter, 95 BRNA & its variants wagons of age more than 22 years were received at DFC which were modified by IR workshops as per available drawings of RDSO. Many wagons were damaged during loading/CC examination due to inadequate design & bad workmanship in the workshops. Later RDSO has issued drawings time to time for the modification of these wagons for strengthening of underframe, floor etc. based on maintenance & operation issues highlighted by DFC. Accordingly, the modifications were carried out in these wagons as per RDSO drawings. These modification are as under:-
   (i) Removal of bulk heads
   (ii) Strengthening of underframe by channels of 150 mm & 100 mm
   (iii) Additional supports to be provided to these channels
   (iv) Fabricated fall plate of 8+8 mm or single piece fall plate of 14 mm or more thickness
   (v) Provision of additional chequered plates over wagon floor
   (vi) Widening of floor width
   (vii) Removal of sharp edges etc.

Some of the photographs of some modifications are as under:



Additional floor plate



Additional channels

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2. After above modifications done on these wagons, the damages are controlled as no wagon has been marked sick during STR by IR TXR. At present, minor damages if noticed are being rectified by DFC staff at ramp itself as sufficient welding machines with welding points have been provided. DFC has deputed experienced retired/deputationist staff at new Rewari/DFC for attending the rakes for loadability & lashing activities in terms of Railway Board's L/No. 2018/M(N)/951/34Pt.6 dt 24.06.2021.
3. Total 52 wagons have been provided with single piece fall plate of 16 mm by DFC and these wagons are performing well. Also fabricated fall plates as suggested by RDSO and manufactured by JUDW are performing well. Some photographs are as under




Single piece fall plates




Fabricated fall plates

4. As per Railway Board's L/No. 2018/M(N)/951/34Pt.6 dt 24.06.2021, these Ro-Ro rakes were given CC examination at FL/IR and subsequent round-trip examination at REJN/DFC by NWR. It was noticed that 2 to 4 days was taken by FL/IR staff for CC examination and rakes were released unattended and without rectification of fall plate damage, underframe channels, floor damage etc. After receiving the same rake at DFC, many wagons were marked unloadable on account of poor welding, fitting. This situation is likely to improve once CC examination is started at New Rewari/DFC by NWR.
5. Rolling in examination of Ro-Ro rake is also being done and although no major abnormalities found except following (Since August 2021)

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- One case of train parting
- One case of fall plate pin work out during run
- One case of hanging part

6. Railway Board vide L/No. 2018/M(N)/951/34Pt.6 dt 24.06.2021 advised that before start of operation valid sanction of RB as per extant policy must be obtained by DFCCIL. In this regard, it is informed that on the request of DFC, RDSO has issued provisional speed certificate for the running of BRN variant wagons over DFC at a speed of 65 Kmph and the case was put up to CCRS by RDSO for the onward sanction by Railway Board. Later, RDSO has informed that CCRS has returned the case with the following observations
    a. *The case is for operation of a specific rake/train consisting of wagons for which Board`s sanction is already available;* ***therefore, it does not warrant separate sanction of Central Government (Railway Board).***
    b. *Speed Certificates of Rolling Stock applicable to IR is also valid over DFCCIL; therefore, all the wagons proposed for Ro-Ro operation can operate over DFCCIL within the same limiting conditions of axle load & speed.*
    c. *MD/DFCCIL is empowered to sanction, the use of locomotive or rolling stock already sanction by Central Government (Railway Board) by the Rule 28A(2) & (3) of "The Railways (Opening for Public Carriage of Passengers), Rules-2000(as amended from time to time) over DFC lines.*
    d. There is a provision of maximum 2 persons per trucks with valid 2nd class ticket accompanying the trucks. Safety aspects and its implications in this regard should be examined and adequately covered by DFCCIL/Railway.
7. Sanction of running of modified BRNA wagon & its variants used for Ro-Ro service over WDFC from New Rewari to New Palanpur at a speed of 60 Kmph has been obtained by MD/DFC. Futher, RDSO has issued speed certificate for conducting oscillation trial over DFC vide L/No. MW/BRNA dt 20.10.2021 for which MD sanction was communicated to RDSO for the same vide L/No. HQ/ML/SC/WGN/Oscillation trial, dt 22.11.2021. The modalities of oscillation trial is being prepared by RDSO. Also nomination of wagons has been communicated for the oscillation trial vide L/No. HQ/ML/RDSO/OTW/RORO dt 31.05.2022.
8. Nomenclature of modified BRN wagons used for Ro-Ro service was got assigned as BRNRORO, BRNARORO & BRAHSRORO vide Railway Board's L/No. 2010/M(N)/951/23 dt 09.03.2022 to avoid mixing of other wagons of these variants. NWR has been requested to stencil the same on the wagons.
9. Till date, Ro-Ro rake has completed 238 trips successfully between New Rewari to New Palanpur. However, wagons are becoming commercially unloadable due to minor defects and NWR is being appraised of the same. It was noticed that upper portion of the wagons was not attended by NWR during CC as well as in round trip examination.
10. Examination facilities have been created at New Rewari for the examination of freight train rakes as per Railway Board's L/No. 2021/Infra/6/3 dt 05.07.2021. The status of facilities at examination point/REJN is as under: -

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Status of CC Examination facilities at REJN as on date 02.06.2022		
S. No.	**Description of Items**	**Status of Work**
1	Air Compressor (300 CFM capacity) with air dryer.	Commissioned
2	One set of synchronised lifting Jacks (a set has 5 Jacks).Cap. 25 Ton for lifting of wagons	PO Placed and DP 01.08.2022
3	Duff jack (bottle Jack) of cap. 30 Ton each.	Available at REJN
4	E-Rickshaw	Available at REJN
5	Fork lift of 03 Ton capacity.	Tech. bid opened on 11.05.2022 and under discussion
6	Multi utility vehicle	Available at REJN
7	Welding machines	Available at REJN
8	Hydraulic scissors lifting platform	Available at REJN
9	Single car/wagon test rig	Available at REJN
10	Rake test rig	
11	Video based Infra-red non contact type temperature measuring gun with recording	
12	Tresetles	Available at REJN
13	Wooden Blocks of various sizes.	Available at REJN
14	**Staff lockers**	03 Nos. Purchased and Made Available at REJN
15	**Material storage racks**	06 Nos. Purchased and Made Available at REJN
16	Complete Gas cutting set.	01 No. Purchased and Made Available at REJN
17	Drinking water facility with RO and Water cooler	Available at REJN
18	First Aid Box -01	Available at REJN
19	Necessary C&W Tools & gauges in adequate quantity.	Budegetary Quotations received and combined BOQ Bid document is being prepared for procurement through GeM
20	Office equipment like computers, printer and	Made Available at REJN
21	Personal protective gear i.e. helmet gloves and safety jackets	Made Available at REJN
22	Communication facilities, Walkie Talkie -08 Nos (With	Made Available at REJN

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11. In addition to above, following facilities also have been provided at REJN/DFC
    - Pucca pathway on both side of track
    - Cemented floor at sick line area
    - Four rooms at IMD/REJN have been given to Rewari staff
    - New Rewari/DFC has been added as a depot in FMM with the co-ordination of CRIS and informed to NWR
    - Lighting arrangements have been done at one side of track and work for other side is going on. PDC is 10.06.22.

However, examination of Ro-Ro rake is yet to be started by NWR as staff is still being posted.

Some of the photographs are as under : -






12. Suggestion for using experienced driver for loading of trucks on the wagons as given by CRSE/frt/NWR vide L/No. NWR/HQ/Mech/C&W/Frt./20 dt 28.02.2022 has already been suggested to the contractor and the same is being followed up.
13. Based on the experience gained, DFC has also suggested RDSO to implement modifications in new RO-RO wagons which were manufactured by BWT, for the strengthening of the underframe & better suitability of truck movements. Further, RDSO has issued speed certificate for conducting oscillation trial of new Ro-Ro wagons over DFC vide L/No. MW/SPD/BG/RORO dt 01.04.2022 for which MD sanction was communicated to RDSO vide L/No. HQ/ML/RSA/RS12/201602196 dt 20.05.2022. Trucks are also being provided by DFC at JHS/NCR as requested by RDSO for conducting oscillation trial of the same wagon over NCR between Mahoba- Khajurao section.

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14. Based on the above points, following assistance is required from Board: -

(i) Board may consider BPC validity of 7500 Km/35 days whichever is earlier for CC examination of Ro-Ro rake along with round trip examination so that optimum utilization of the rake can be obtained.

(ii) A request was made to Railway Board to examine the attachment of SLR to the RO-RO rake. May please look into matter.

(iii) NWR may be asked to start CC examination of Ro-Ro rakes at new Rewari/DFC on priority with keeping in mind that these wagons are owned by Railways, so that close monitoring of the wagons can be done

(iv) It is also suggested that VPU/VPH to allow to attach with Ro-Ro rakes so that additional revenue can be earned.

Sachinder Mohan Sharma

Digitally signed by Sachinder Mohan Sharma
Date: 2022.06.07 10:20:17 +05'30'

(S.M Sharma)
GGM/Mechanical - I

No. HQ/ML/MANT/MPMA/201601236 Dt. 06.06.2022

Copy to :

(i) PCME/NWR: For kind information please

(ii) ED/Wagon/RDSO/LKO: For kind information please

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डेडीकेटेड फ्रेट कोरीडोर

डेडीकेटेड फ्रेट कोरीडोर कार्पोरेशन ऑफ़ इंडिया लि.

भारत सरकार (रेल मंत्रालय) का उपक्रम

Dedicated Freight Corridor Corporation of India Limited

A Govt. of India (Ministry of Railways) Enterprise

No. HQ/ML/MANT/MPMA/201601236 Dt. 09.05.2023

EDME (Freight)
Railway Board
New Delhi

Sub : Extension of freight examination pattern for operation of RO - RO on DFC
Ref : (i) DME/Freight/RB's L/No. 2018/M(N)/651/34/Pt. 6 dt 24.06.2021
(ii) Director/Traffic Commercial (Rates)/RB's L/No. TCR/1078/2020/RoRo/DFCCIL/3333602 dt 19.04.2023 (Copy attached)

1. Vide letter under ref (i), a guideline of freight examination pattern for operation of RO-RO rakes on DFC was issued for a trial period of 6 months. The operation of RO-RO was started over DFC on 12.08.2021 and hence the validity of the said guideline has been expired.
2. Vide ref (ii), Railway Board has permitted the operation of Ro-Ro/TOT service on New Rewari-New Palanpur over DFC on experimental basis w.e.f 22.04.2023 for an initial period upto 31.10.2023.
3. In view of above, it is requested that the policy guideline of freight examination pattern for operation of RO - RO on DFC as issued vide ref (i) may please be extended upto 31.10.2023 and NWR be advised in this regard.

DA : As above

(V. K Gautam) 11/5/23
GM (Mech)

Copy to: Director/OP & BD/DFC : For Kind information please

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GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS
(RAILWAY BOARD)

No. 2018/M(N)/951/34Pt.6 Rail Bhavan, New Delhi-110001, dated 24.06.2021

Principal Chief Mechanical Engineer North Western Railway Jaipur	GGM DFCCIL, 5th. Floor, Pragati Maidan Metro Station Building Complex New Delhi-110001

Sub: Freight examination pattern for operation of RO-RO Services on DFC

Ref: DFCCIL's letter No. HQ/ML/Maint(MPMA)/02/2020/201601236 dtd. 28.05.2021

W.r.t. above mentioned letter, it has been decided to conduct a trial of 06 months for CC Pattern of Examination of BRNA RO-RO rakes for service between New Rewari & New Palanpur as per the following conditions:

1. The BPC will have a validity of 6000km or 30 days whichever is earlier. The BPC issued for CC based operation shall have clear endorsement that the BPC is valid for operation in the identified circuit only between New Palanpur & New Rewari (with trip to base depot for CC examination).

2. The rakes will be based at either New Rewari / Pali OR FL depot NWR. The basing has to be decided for the entire period of trial before start of operation.

3. The rake will be offered for Safe to Run examination to TXR after every round trip and record shall be kept of the number and type of damages that get detected during STR as well as CC examination.

4. Post loading check in all cases shall be ensured by DFCCIL (including but not limited to lashing and securing of road vehicles, soundness of wagon etc.).

5. The trial will be valid for 6 months from the date of start.

Before start of operation valid sanction of RB as per extant policy must be obtained by DFCCIL.

Signature Not Verified
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Date: 2021.06.24 17:28:28 IST

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भारत सरकार GOVERNMENT OF INDIA
रेल मंत्रालय MINISTRY OF RAILWAYS
(रेलवे बोर्ड RAILWAY BOARD)

No. TCR/1078/2020/RoRo/DFCCIL/3333602 Dated:19.04.2023

General Managers,
All Indian Railways

Sub: Proposal to attract unconventional traffic to rail – Ro-Ro/ToT Service on New Rewari - New Palanpur Section.

Ref: DFCCIL letter No.OPBD0BD(BDD)/9/2022 dated 01.12.2022, 22.02.2023, and 06.03.2023.

*****

Reference above, matter has been examined in details and it has been decided by the Competent Authority to permit subject movement @ ₹ 28,111 per wagon for trucks up to 40 tonne and ₹ 32,000 for trucks of more than 40 tonne up to 58 tonne for movement between New Palanpur and New Rewari Section.

This has been permitted on experimental basis w.e.f. 22.04.2023 for an initial period up to 31.10.2023.

DFCCIL shall submit a report on market testing of these rates supplemented with market surveys, representations of stakeholders, total traffic achieved, potential of additional traffic etc.

This issues in consultation with Traffic Transportation and with the concurrence of Finance Directorate of Ministry of Railways.

(अतनू पाण्डेय)
निदेशक यातायात वाणिज्य (दर)
रेलवे बोर्ड.
dtcr@rb.railnet.gov.in
011-2304 7359

No.
TCR/1078/2020/RoRo/DFCCIL/3333602 Dated:19.04.2023

Copy to:

- Principal Financial Advisor, All Indian Railways.
- Dy. C&AG of India (Railways), Rail Bhavan, New Delhi.

For Member (Finance) Railway Board

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