

## मंडल कार्यालय आदेश 21/2024

समस्त मुख्य लोको निरीक्षक  
एवं मुख्य कू नियंत्रक, जोधपुर एवं मेड़तारोड  
समस्त लोकोपायलट, लोकोपायलट शंटर एवम सहायक लोकोपायलट

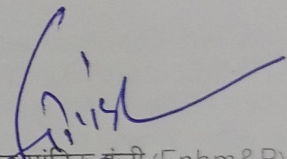
विषय :- Increasing the maximum speed of Mail/Express trains from 90 kmph to 110 kmph on newly constructed BG double line from Nawa City to Kuchaman City Stations from km34.190 to km 50.386(up line) total 16.196 km of Phulera-Makrana section of jodhpur .

संदर्भ :- 1.letter no. MT-496T/Raising Speed/2024/x Dt.19-07-2024

2.Sr.DEN/Co./JU letter no. WWG-632-W-O/Raising of speed/Sr.DEN/EAST,Dt.19.07.24

उपरोक्त विषयानुसार मंडल के FL-JU सेक्शन में NAC-KMNC स्टेशन के UP LINE की मेल एक्सप्रेस ट्रेन की अधिकतम गति सीमा को बढ़ाया गया है संदर्भित पत्र सलग्न है इस सम्बन्ध में सभी मुख्य लोको निरीक्षको को निर्देश दिए जाते हैं की अपने नामित सभी रनिंग स्टाफ को काउंसलिंग करके पावती लेवे तथा रिपोर्ट मंडल कार्यालय में जमा करे।

सलग्न -यथोक्त

  
वरी.मंडल पात्रिक इंजी.(Enh&P)  
उ.प.रेलवे,जोधपुर

**North Western Railway**

**No MT-496T/Raising Speed/2024/X  
Dated. 19 JULY, 2024**

**Divisional Office  
Jodhpur**

**All Concerned on Jodhpur Divn.  
CHC (In-charge, Stock, Operations, Punctuality) - JU Control  
Mechanical CNL, Power CNL, Comml. CNL, MTS - JU Control**

**Sub:- Increasing the maximum speed of Mail/Express trains from 90 KMPH to 110 KMPH on newly constructed BG double line from Nawa City to Kuchaman City stations from km 34.190 to km 50.386 (UP line) total 16.196 km of Phulera- Makrana section of Jodhpur.**

**Ref:- CTE letter No. -W/HQ/NWR/586/01/NAC-KMNC/110 Dated :-18.07.2024  
CRS/WC authorization letter no. 16-5/686/294 Dated 21-02-2024  
Rly. Board's Letter no. 70/WDO/ORI/RO/I Vol VIII dated 30-08-2022  
Sr. DEN (Co) letter no. WWG-632-W-0/Raising of Speed/SR.DEN/East Date 19-07-2024.**


**\*\*\*\*\***

**In reference to above referred letters, it is advised that the competent authority has accorded sanction for increasing of sectional speed of mail/express trains from 90 KMPH to 110 KMPH on newly constructed BG double line from Nawa City to Kuchaman City stations from km 34.190 to km 50.386 (UP line) total 16.196 km of Jodhpur Division of North Western Railway subjected to stipulations/conditions mentioned in referred letter.**

**This is supersession to yard speed and speed restriction enforced in the section published in Working Time Table of JU division No.20 w.e.f. 01.10.23.**

**SS, SSE/Loco Lobby concerned to get it noted by all crew and guard.**

**All concerned to please make correction in current time table no. 20 and ensure strict compliance accordingly.**

  
**Sr. Divl. Operations Manager  
North Western Railway  
Jodhpur.**

**Copy To - All BO'S. DRM, Sr DOM & Sr DME of BKN, JP, All**

**Copy - GM (Optg) NWR JP & NR, WR**



**NOTE**

**Sub:** Raising of sectional speed of Mail/Express trains from 90 Kmph to 110 Kmph on newly constructed BG double line from NAWA CITY to KUCHAMAN CITY stations from Km.34.190 to Km. 50.386(UP Line) of JU Division.

**Ref:** 1. CTE letter No. W/HQ/NWR/586/01/NAC-KMNC/110 Dt. 18.07.2024  
2. CRS authorization letter no. 16-5/686/101 dated 21-02-2024

The competent authority has accorded sanction for raising of sectional speed from **90** Kmph upto 110 Kmph on Nawa City to Kuchaman City from Km. 34.190 to Km. 50.386 (UP Line) of JU division of North Western Railway subjected to stipulations/conditions mentioned in referred letter.

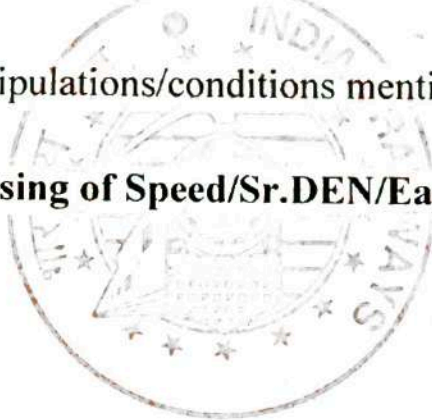
List of PSR is already attached for the reference.

Kindly comply with the stipulations/conditions mentioned in the referred letter.

**No. WWG-632-W-O/Raising of Speed/Sr.DEN/East.**

**Date : 19/07/2024**

D/A- 1. Referred letters



  
Sr.DEN/Co./JU

**Sr. DSTE/JU**

**Sr. DOM/JU**

**Sr. DME/P/JU**

## NORTH WESTERN RAILWAY

JODHPUR DIVISION

## List of Permanent Speed Restriction

Section: NAWA CITY - KUCHAMAN CITY (UP)

S. No.	From Km.	To Km.	Up/Dn/SL	Section	Between Stations	Speed restriction (in Kmph)	Nature of restriction	Brief Reason for restrictions
1	44/3	44/7	UP	FL-MKN	NYK-KMNC	105	Permanent	Due to 2.72 degree curve

TH  
Sr. DEN/Co./JU 19/11/20



**Jitender Kumar Pahwa**  
Chief Track Engineer



**North Western Railway**

Headquarter Office  
Jawahar Circle,  
Malviya Nagar-Jaipur  
Mob: 9001195203  
Rly: 25401 (O)

No.W/HQ/NWR/586/01/NAC-KMNC/110

Date: 18.07.2024

**PCME, PCOM, PCEE, PCSTE, PCSO, CBE**

**Sub: Raising of sectional speed of Mail/Express trains from 90 Kmph to 110 Kmph on newly constructed BG double line from Nawa City to Kuchaman City stations from km 34.190 to km 50.386 (UP Line) total 16.196 Km of Phulera - Makrana section of Jodhpur Division.**

**Ref:** (i) Railway Board's letter no. 70/WDO/ORI/RO/I Vol VIII dated 30.08.2022.  
(ii) CRS/WC/Mumbai's authorization letter 16-5/686/294 dated 27.06.2024

Sanction of Principal Chief Engineer is communicated hereby for raising of Maximum permissible speed of mail/express/passenger trains from 90 Kmph to 110 Kmph on **Nawa City (Km 34.190) - Kuchaman City (Km 50.386) UP Line total 16.196 Km of Jodhpur Division** of North Western Railway in accordance with CRS/WC authorization letter ref (ii) and in conformity with powers delegated vide RB's letter ref (i) after carrying out OMS recording and M.T. inspection to assess the running quality of track. Having perused the bridge certificate and standard of interlocking and having satisfied about the section between Nawacity (Km 34.190)-Kuchamancity (Km 50.386) up line total 16.196 Km section of Johdpur division being fit to increase the speed as indicated above, subject to the following condition/stipulations:

1. Observance of all conditions/stipulations mentioned in Joint Safety Certificate (Annex-A1), Bridge Certificate (Annex-B1), OHE Certificate (Annex-C1), Signal Certificate (Annex-D1) and Track Certificate (Annex-E1) as per CRS sanction. (Copy Enclosed)
2. Observance of PSR as per Annexure-F1 as per CRS sanction. (Copy Enclosed)
3. The speed on Major Bridge No. 47 will be restricted to 75 kmph. The speed from 75 kmph to 110 kmph can be raised after creating the gap between the girder and dirt wall. However, bridge must be kept under watch and condition of girder & bearings must be checked monthly by Dy. CE/C and Dy. CE/Bridge/Line/JP and during routine inspection by PWI/AEN open line till gap is created between dirt wall and girder to check any unusual due to increase in speed and temperature variation

*[Handwritten signature]*

4. Observance of all permanent and temporary speed restrictions additional or those may be imposed from time to time due to track, bridges, signaling & interlocking.
5. The track shall be maintained as per Para 522(2) of latest edition of IRPWM.
6. All BG diesel locomotives (Single/Double) and rolling stocks presently plying in the section are permitted to run at their respective permissible speed or the maximum permissible speed now permitted whichever is less.
7. Notifying increasing of speed of section in current working time table & newspapers of area under consideration. **(PCOM office to issue).**

*24/18.7.24*

**Chief Track Engineer**

**Copy to:**

**Commissioner of Railway Safety**

Western Railway

Church Gate, Stn. Bldg.

Mumbai-400020- For kind information please.

**Secy. to GM:** for kind information to GM please.

**DRM-JU-**for information & N.A. Please.

**Sr. DEN/Co/JU-** For information and N.A please.



**SECTION:** Nawa City (Incl.) – Kuchaman City (Incl.)  
**LENGTH:** 16.196 Km New Line (UP/DN main)


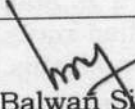
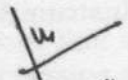
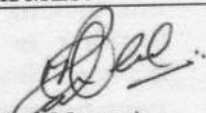
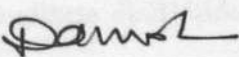
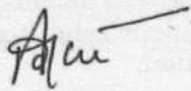


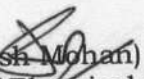
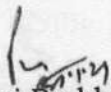
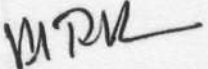
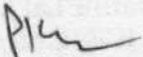
**RAILWAY:** North Western  
**GAUGE:** 1676 mm

**JOINT SAFETY CERTIFICATE**

(UID No. JSC/2024/05 dt 12/2/24 )

Certified that it is safe to run all classes of rolling stock and diesel engines already working on the existing BG section of Nawa City (Incl.) – Kuchaman City (Incl.) of Jodhpur Division of North Western Railway on the proposed UP/DN line the single main line is new line from Km: 34/190 to Km: 34/760, DN main line is new line from Km: 35/894 to Km: 37/397 and UP main line is new line from Km: 36/181 to Km: 50/386 line at a maximum speed of 110 KMPH or the permissible speed of the respective Rolling stock as per RDSO speed certificate, whichever is lower along with 30 KMPH on loops subject to all permanent and temporary Engineering speed restrictions that may be enforced from time to time.

The permanent speed restriction in the above section is detailed in Annexure-I.

 (Kunal Soni) Dy. Chief Engineer (Const.) MAKRANA	 (Balwan Singh) Dy. Chief Sig. & Tele. Engineer (Const.), AJMER
 (Ajay Israni) Dy. Chief Electrical Engineer (Const.-II) JAIPUR	 (Nathu Lal Meena) Chief Engineer (Const.)-III JAIPUR
 (D.L. Meena) Chief Sig. & Tele. Engineer (Const.) JAIPUR	 (V. Dayal) Chief Electrical Engineer (Const.), JAIPUR
 (Vijay Kumar) Principal Chief Sig. & Tele. Engineer JAIPUR	 (Vijay Kumar) Principal Chief Mechanical Engineer JAIPUR
 (Rajesh Mohan) Principal Chief Electrical Engineer, JAIPUR	 (Pranai Prabhakar) Principal Chief Operating Manager, JAIPUR
 (VED PRAKASH) Chief Administrative Officer (Const.- ), JAIPUR	 (Pramod Kumar Jain) Principal Chief Engineer, North Western Railway, JAIPUR

**SECTION:** Nawa City (Incl.) – Kuchaman City (Incl.)  
**LENGTH:** 16.196 Km New Line (UP/DN main)

**RAILWAY:** North Western  
**GAUGE:** 1676 mm

**BRIDGE CERTIFICATE**

(UID No.: BC/150/2024, 8.2.24)

1. Certified that the bridges on newly laid UP/DN main line in Nawa City-Kuchaman City section from Km 34.190 to Km. 50.386 (The single main line is new line from Km: 34/190 to Km: 34/760, DN main line is new line from Km: 35/894 to Km. 37/397 and UP main line is new line from Km: 36/181 to Km: 50/386) have been constructed to minimum 25-T standard of loading, as per Bridge Rule 1941/1964(Revised) Reprint-2014 with up to date correction slips, and are safe to run all classes of Rolling stocks/locomotives already running in existing Nawa City (Incl.) – Kuchaman City (Incl.) section of Jodhpur division of North Western Railway at a maximum speed of 110 Kmph or the permissible speed of the respective rolling stock as per RDSO Speed Certificate, whichever is lower, subject to following restrictions:-

S. No.	Bridge No.	Location KM	Span & description	Nature of restriction	Brief reason
NIL					

2. The bridge-wise loading standard of the Bridges is given in the enclosed list of bridges at page no. 15-17 of Opening document.



(Kunal Soni)  
 Dy. Chief Engineer (Const.)  
 N. W. Rly., MAKRANA



(Nathu Lal Meena)  
 Chief Engineer (Const.)-III  
 N. W. Rly., JAIPUR



(Dinesh Chand)  
 Chief Bridge Engineer  
 N. W. Rly., JAIPUR



## FORM-XIII

**RESTRICTED OHE CLEARANCE ABSTRACT**

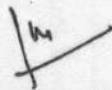
**SECTION:** Nawa City (Incl.) – Kuchaman City (Incl.)  
**LENGTH:** 16.196 Km New Line (UP/DN main)


**RAILWAY:** North Western  
**GAUGE:** 1676 mm

S. No	Location Over line Structure	Type of Structure	Clearance from R.L. to Bottom of Structure	Height of Contact wire below the structure	Whether Catenary is anchored or Freely Running Below/ Above the Structure	Minimum Static Clearance between 25 KV Live Parts & Earth	Remarks
1	2	3	4	5	6	7	8
<p align="center"><b><u>Not Applicable</u></b>            (Non-electrified section)</p>							

**B. Location of OHE where specified (2.0m) working clearance is not available**

Sr. No	Location	Type of nearest earthed part	Actual distance between live part and earth	Remarks
1	2	3	4	5
<p align="center"><b><u>Not Applicable</u></b>            (Non-electrified section)</p>				

  
 (Ajay Israni)  
 Dy. Chief Electrical Engineer (C-II)  
 North Western Railway, JAIPUR

  
 (V. Dayal)  
 Chief Electrical Engineer (C)  
 North Western Railway, JAIPUR

**Annexure to FORM- VIII**  
**Minimum Requirement of Signalling as per Para 7.8.9 of Chapter VII of IRSEM (version 3.0)**

**SECTION:** Nawa City (Incl.) – Kuchaman City (Incl.)  
**LENGTH:** 16.196 Km New Line (UP/DN main)

**RAILWAY:** North Western  
**GAUGE:** 1676 mm

S.No	Item	Standard II requirement	Provided in Nawa City (Incl.) – Kuchaman City (Incl.)
1	Maximum Permissible speed	Upto 110 Kmph	Fit for upto 110 Kmph
2	Isolation	Required	Provided.
3	Point operation, locking and detection	Point Machine	Electrically by point machine at all stations
4	Train Detection (Track Circuit/Axle Counter)	On all Running lines	Provided.
5	MACLS Signalling, Movement Authority	MACLS	Provided.
6	Block working (Absolute / Automatic Signalling)	Permitted (Excluding token)	Provided.
7	Double Distant / Automatic Signalling	Required. (On sections where trains have an emergency braking distance of more than 1 km)	Single distant provided. Braking distance is available as existing Signaling is also Standard II.
8	Last Vehicle verification	Required at stations with centralized operation or in high density routes.	Axle counter Provided.
9	Relay/ Electronic Interlocking	RI/EI	Electronic Interlocking at all stations
10	MTRC or LTE or any other technology	Desirable	Not provided.
11	ATP (ETCS/TCAS/TPWS) with Cab Signalling for SPAD mitigation	Desirable	Not provided.
12	Centralized Traffic Control (CTC)	Desirable	Not provided.

(Balwan Singh)  
Dy. CS&E (Const.)

North Western Railway, AJMER

*Daniel*  
(D.L. Meena)

Chief Sig. & Tele. Engineer (Const.)  
North Western Railway, JAIPUR



**SECTION:** Nawa City (Incl.) – Kuchaman City (Incl.)  
**LENGTH:** 16.196 Km New Line (UP/DN main)

**RAILWAY:** North Western  
**GAUGE:** 1676 mm

**TRACK CERTIFICATE**


(UID No. : TC/06/2024 dt 6/2/24 )

I do hereby certify that the newly laid UP/DN main line track from Km. 34.190 to Km. 50.386 (The single main line is new line from Km: 34/190 to Km: 34/760, DN main line is new line from Km: 35/894 to Km. 37/397 and UP main line is new line from Km: 36/181 to Km: 50/386 line) i.e. 16.196 Km section between Nawa City (Incl.) – Kuchaman City (Incl.), consisting of which consists of new 60 Kg rails LWR/SWR for newly laid UP/DN main on PSC sleepers of density 1660 nos. per Km and with average 350 mm clean ballast cushion under sleepers on consolidated and stable formation, is to the required strength which can safely take all existing BG rolling stocks already running in the section at a maximum speed of 110 Kmph subject to permanent speed restrictions given below –

S. No.	Speed Restriction for other rolling stock having $C_d = 75$ mm	Location		Length (KM)	Reasons
		From (KM)	To (KM)		
1.	105 Kmph	44308.382	44708.382	0.400	Due to restriction for track center less than 5.40 m between UP & DN main line and providing radius more than 643.589 m in curve no. 18 UP.



(Kunal Soni)  
 Dy. Chief Engineer (Const.)  
 N. W. Rly., MAKRANA



(Nathu Lal Meena)  
 Chief Engineer (Const.)-III  
 N. W. Rly., JAIPUR



(Jitender Kumar)  
 CTE/NWR/JP

## Annexure-I

**SECTION:** Nawa City (Incl.) – Kuchaman City (Incl.)  
**LENGTH:** 16.196 Km New Line (UP/DN main)

**RAILWAY:** North Western  
**GAUGE:** 1676 mm

**PERMANENT SPEED RESTRICTIONS**

S. No.	Speed Restriction for other rolling stock having $C_d = 75$ mm	Location		Length (KM)	Reasons
		From (KM)	To (KM)		
1.	105 Kmph	44308.382	44708.382	0.400	Due to restriction for track center less than 5.40 m between UP & DN main line and providing radius more than 643.589 m in curve no. 18 UP.



(Kunal Soni)  
 Dy. Chief Engineer (Const.)  
 N. W. Rly., MAKRANA



(Nathu Lal Meena)  
 Chief Engineer (Const.)-III  
 N. W. Rly., JAIPUR