

NORTH CENTRAL RAILWAY

Head quarter's office,
Engineering Department,
Allahabad.

N0 355-W/One Time Movement/BCACBM/NCR/Bridge,

Dated 31.05.2012.


CPTM

Sub:- One Time Movement of "BG Bogie Covered Autocar Carrier Wagons type BCACBM" at a maximum speed of 65 kmph in empty and loaded condition over GZB-MGS (UP & DN line) and ALJN-HGJ section and back of North Central Railway.

Based on RDSO provisional speed Certificate no. MW/BCACBM, dated 11.04.2012, the competent authority (PCE, CME & CEE) has permitted One Time Movement of "BG Bogie Covered Autocar Carrier Wagon type BCACBM" having maximum axle load of 8.48t in empty condition over GZB-MGS (UP & DN line) and ALJN-HGJ section and back of North Central Railway. Copy of Certificate for One Time Movement, Track and Bridge certificate enclosed.

This is for information, necessary action and circulate to concerning deptt please.

DA: As above


30.05.12
(Sachin Verma)
Dy CE/Bridge/HQ

Copy to: CRSE for information & n/a please.


o/c
Sachin Verma
Dy CE/Bridge/HQ

**NORTH CENTRAL RAILWAY
CERTIFICATE FOR ONE TIME MOVEMENT
(No 01 /BCACBM/NCR/2012)**

Based on RDSO provisional speed Certificate no. MW/BCACBM, dated 11.04.2012, certified that GZB-MGS (UP & DN line) and ALJN-HGJ section and back of North Central Railway are safe for ONE TIME MOVEMENT of BG Bogie Covered Autocar Carrier Wagons type BCACBM having maximum axle load of 8.48t in empty condition up to a maximum speed of 65 kmph in empty and loaded condition, subject to the following conditions:

- (i) Observance of all the conditions as stipulated in the RDSO speed certificate No. MW/BCACBM, dated 11.04.2012 along with concomitant Track and Bridge certificate.
- (ii) Observance of all permanent and temporary speed restrictions already in force/or those that may be imposed from time to time on various accounts.

In addition to above following special conditions of RDSO provisional speed certificate No. MW/BCACBM, dated 11.04.2012 should also be observed:-

- **2.3 of Signalling**
 - Provision of GR, SR, SEM and all extant instructions issued from time to time shall be complied with.
 - On the sections where EBD of more than 1 km. is to catered for, second distant signal or automatic signaling should be available failing which suitable speed restriction is to be imposed.
- **2.4 of Rolling Stock**
 - Before starting the operation, CME of the concerned Railways shall certify the track worthiness and safety of the rolling stock.
 - Brake of locomotive and car units (Car-A+CAR-B) shall be in good working order.
- **2.5 of Traction Installation**
 - In 25kV a.c. traction area, the CEE of the Railway shall have to ensure that the minimum height of the contact wire and electrical clearances as stipulated in provision of Chapter-V and V-A, Electrical Traction 'Schedule of Dimension of 1676 mm Broad Gauge (BG) revised 2004" is not violated and strictly followed to ensure its safe running.
- **2.6 of General**
 - However, the maximum speed on turnouts, diamond crossings and curves sharper than 4° shall not exceed 15 kmph.


Chief Mechanical Engineer


Chief Electrical Engineer


Principal Chief Engineer

NORTH CENTRAL RAILWAY
TRACK CERTIFICATE

Certified that track on the following sections of North Central Railway, the weakest portion of which as per details given under is to the required strength, which can safely permit for 'One time movement of BG Bogie Covered Autocar carrier Wagon type BCACBM over MGS-GZB section at a max. speed of 65 Kmph' indicated against each section as under, subject to observance of all temporary and permanent speed restrictions in force and/ or imposed from time to time on various accounts. All conditions stipulated in RDSO's speed certificate no. MW/BCACBM dt. 11.04.2012 for tracks is fulfilled.

Line	Section		Kms		Rails		Sleepers		Ballast cushion (in mm) Total/Clean	Max. speed proposed (km/h)	Max. sectional speed existing in the section (kmph)	
	From	To	From	To	Type	% of wear or year of laying	Type	Year of laying				Density
DN	GZB	MGS	1428.50	677.28	52 Kg,90 UTS	1987	PSC-5	1982	M+7	300/100	65	130
UP	MGS	GZB	677.28	1428.50	52 Kg,90 UTS	1989	PSC-5	1987	M+7	300/100	65	130
SL	ALJN	HGT	167.74	153.0	52 Kg,90 UTS	2005	PSC-5	2005	M+7	250/200	65	100

Countersigned

(S. N. Agrawal)
CTE

(S.K. Srivastava)
Dy.CE/TP

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**NORTH CENTRAL RAILWAY
BRIDGE ENGINEER'S CERTIFICATE**

Based on RDSO's speed certificate No. MW/BCACBM dated 11.04.2012, certified that bridges on the sections given below are having minimum strength of super structure as indicated against the sections as per revised Bridge Rules -1964 and are safe for one time movement of BG Bogie Covered Autocar carrier Wagon type BCACBM, up to the maximum speed indicated against the sections, subject to all temporary & permanent speed restrictions already in force and those that may be imposed from time to time.

SN	Section		Line	KM		% Strength	Max. speed
	From	To		From	To		
1.	MGS	GZB	UP/DN	677.28	1428.50	100% RBG	65 Kmph
2.	Aligarh Jn.	Hardua Ganj	SL	167.74	153.00	100% RBG	65 Kmph

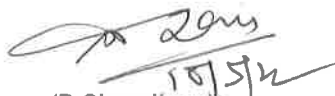
Sub structure of all the bridges on the sections given above are in satisfactory condition and are safe for one time movement of BG Bogie Covered Autocar carrier Wagon type BCACBM, up to the proposed speeds conforming to the provisions of revised IRS Bridge Sub structure and Foundation code-1985.

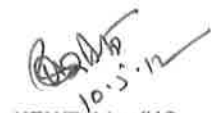
This clearance is subject to the following -

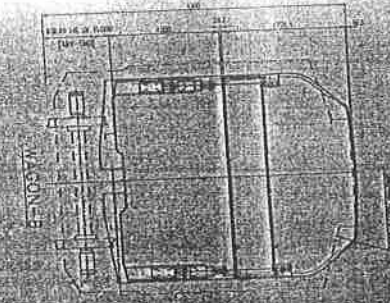
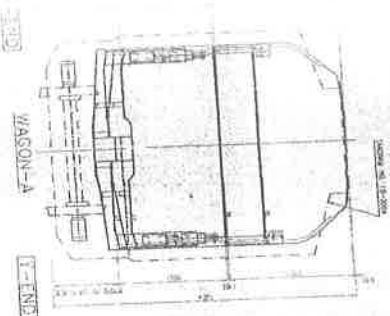
	<u>Wagon 'A'</u>	<u>Wagon 'B'</u>
1. Maximum axle load (Empty)	8.480t	8.405t
2. Maximum axle load (Empty)	12.230t	12.160t
3. Maximum Braking force (empty/loaded) at rail level per axle	10% of axle load	
4. Maximum CG height from rail level in empty condition	1352 mm	1351 mm
5. Maximum CG height from rail level in loaded condition	1655 mm	1656 mm
6. Track loading density (gross)	2.08 t/m	2.06 t/m

Specific restrictions are applicable as indicated in relevent Speed certificates of hauling single/multiple locomotives issued by R.D.S.O.

Countersigned


(B. Chowdhary)
Chief Bridge Engineer


10.5.12
XEN/Bridge/HQ



TABLE

LIST OF MATERIALS (QUANTITIES SHOWN IN ALPHABETIC ORDER)

NO.	DESCRIPTION	QUANTITY	UNIT
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WAGON

WAGON

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PROJEKTANT: S. N. ...

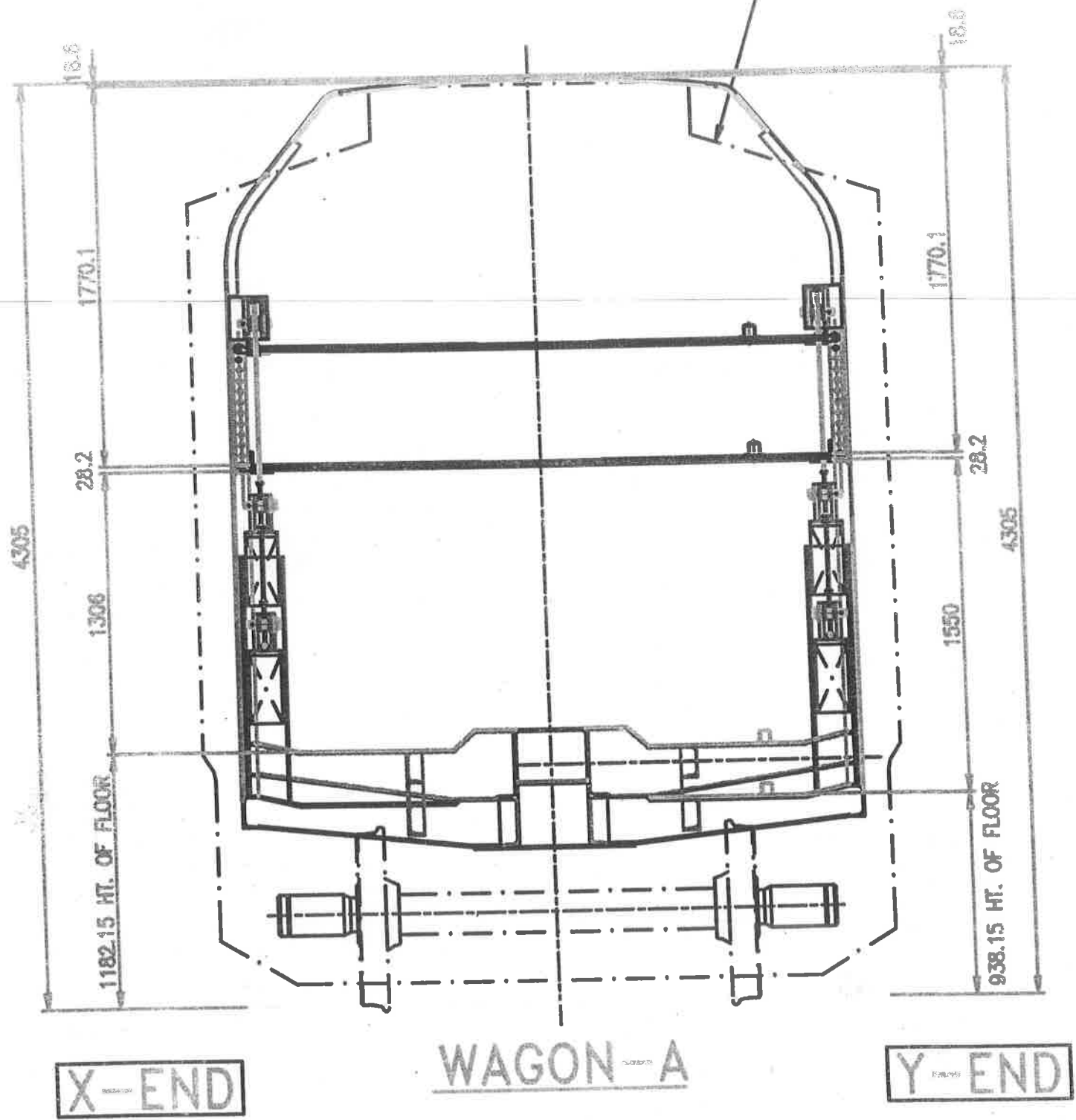
DIAGRAM

10-S-0-S-01

WAGON

10-S-0-S-01

DIAGRAM NO. 1D-2004



WAGON-B

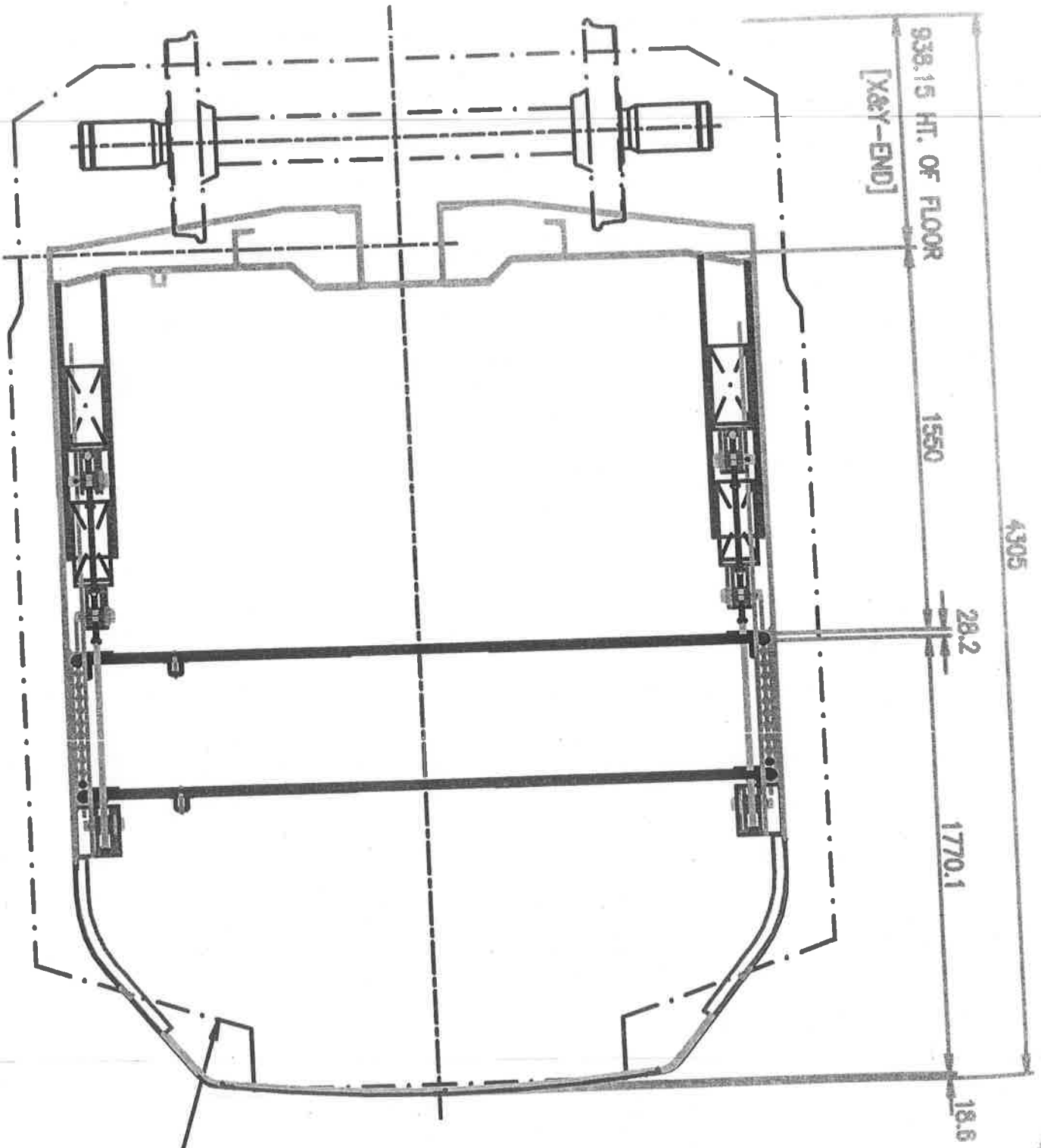


DIAGRAM NO. 1D-2004

