



Modern Coach Factory Raebareli

आधुनिक रेल डिब्बा कारखाना, रायबरेली

DOC NO.: MCF/RBL/QMF 8002

REV NO: 00

DATE: 16.05.2016

ROLLING STOCK CERTIFICATE

Rolling Stock Certificate No.: MCF/RBL/QC/RSC/2017-18/92

Coach No.		1	7	2	1	2	/	C	Date of dispatch					1	7	-	0	6	-	1	7		
Rly	E	R	-	Type	L	W	S	C	N	Shell No.	7	7	0	3	4	-	2	0	1	7	-	1	8

- Railway Board's Order No. : 2016/M(C)/142/1 Dated- 02.03.2017
- Tare Weight of Coach : 41.24 Tones
- Carrying Capacity : (a) Seating : 80 (b) Sleeping : 80 (c) Luggage : NIL

4. SHELL LEADING DIMENSIONS :

S NO	DESCRIPTION	DIMENSION (MM)
1.	Maximum length over body	23700
2.	Maximum width over body	3240
3.	Maximum height from Rail Level	4039
4.	CBC height/Buffer height from Rail level 1105 +0/-15	1) 1105 (NPPE) 2) 1098 (PPE)

5. TRACEABILITY OF SHELL ITEMS:

S NO	ITEM	MAKE/SUPPLIER	SERIAL NO
1.	Underframe	Front Part M/S Manjit techno fab raebareli	PP END 24 NPP END 24
		Complete M/S Manjit techno fab raebareli	
2.	Side wall	M/S MCF/RBL	RH 77034 LH 77034
3.	End wall	PP END M/S KEPL Punchkula	PP END 77034 NPP END 77034
		NPP END M/S E.c.blades & tool pvt. Ltd chandigarh	
4.	Roof	M/S Pennar ind. Ltd. Thiruvallur tamilnadu	
5.	Centre Buffer Coupler	M/S Escorts ltd railway equipment FBD	PP END 8289 NPP END 8288
6.	Buffers	N.A.	

6. AIRBRAKE TEST REPORT:

S NO	ITEM	DESCRIPTION	SPEC. VALUE	OBSERVED
1.	Full brake application	<ul style="list-style-type: none"> ➤ Reduce pressure of BP from 5.0 to 3.4 kg/cm². ➤ Max. pressure in BC ➤ All Brake are applied 	6 – 10 sec. 3.0 ± 0.15 kg/cm ² . OK	9 Sec. 3.0 kg/cm ² OK
2.	Insensitivity	➤ Exhaust BP @ 0.3 kg/cm ² /min.	No brake application	OK
3.	Sensitivity	➤ Exhaust BP @ 0.1 kg/cm ² /Sec, after 06 Sec.	Brake must apply	OK

7. PAINTING DETAILS:

S NO	DESCRIPTION	TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE
1.	Paint	P.U	M/s VIBGYOR	88/86
2.	Insulation		Satisfactory	

784

SSE/QC/MCF/RBL

मुख्य निदेशक

रेलवे कारखाना, रायबरेली (लालगंज)





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COACH.NO	1	7	2	1	2	/	C	DATE OF DISPATCH										1	7	-	0	6	-	1	7
RLY	E	R	-	TYPE	L	W	S	C	N	-	SHELL. NO.	7	7	0	3	4	-	2	0	1	7	-	1	8	

8. DETAIL OF BOGIES :

ITEMS	NPP Side				PP Side			
Bogie No	170151				170152			
Bogie Type	FIAT				FIAT			
Frame no.	ECBT-344				ECBT-339			
Bolster no.	MCF/RBL-1050				MCF/RBL/SCI-0057			
Axle No	V-1263 RWF		V-2233 RWF		S-3699 RWF		S-9892 RWF	
Wheel Dia	917.524	917.470	917.472	917.446	917.499	917.534	917.483	917.517
Wheel Disc No	00071-7248 VR09-16	00173-6223 VR09-16	00022-7261 VR10-16	00196-7261 VR10-16	00023-7261 VR10-16	00010-7248 VR09-16	00176-6205 VR09-16	00086-6226 VR09-16
R.B. Nos.	01-17 00944	01-17 00619	01-17 00259	01-17 00304	01-17 00285	01-17 000783	01-17 0367	01-17 00188
CTRB Make	TIMKEN		TIMKEN		TIMKEN		TIMKEN	

9. SECONDARY SUSPENSION LOAD DEFLECTION VALUES

DESCRIPTION	Bogie NPP side				Bogie PP side			
	Secondary 1		Secondary 2		Secondary 1		Secondary 2	
	Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner
Make & Nos.	CMFSK-02-17F09-240-56	CMGBD-01-17-5100-05-108	CMFSK-02-17-F09-240-35	CMGBD-01-17-5100-05	CMFSK-02-17-F09-240-50	CMGBD-01-17-5100-139-115	CMFSK-02-17-F09-240-77	CMGBD-01-17-5100-136-101
Compressed Ht. at Tested Load	514	470	515	469	512	470	512.5	472
Alignment deviation (mm)	08	10	07	10	06	07	06	07

10. TRACEABILITY OF BOGIE ITEMS:

S. NO	ITEM	MAKE/SUPPLIER	SERIAL NO.	
			NPP SIDE	PP SIDE
1.	Primary outer Spring	CMFSK	01-17-1100-233(471,675,348,363)	01-17-1100-233(681,654,599,677)
2.	Primary Inner Spring	CMFSK	01-17-1101-232(1060,1019,1294,1199)	12-16-1101-218-1293,01-17-1101-232-1255,07-16-1101-206-701,01-17-1101-232-696
3.	Primary Damper	GABRIEL	04-17(854,858,944,943)	04-17(856,853,946,945)
4.	Secondary Damper	GABRIEL	11-16	11-16(257,256)
5.	Lateral Damper	KONI	42-2016-5641	42-2016 5762
6.	Brake Cylinder	FAV	C17-148,C17-134, C17-135,C17-195	B17-265,C17-095, C17-100,B17-267
7.	Brake Caliper	FAV	D17179B,D17177B,D17178B,D17180B	D17008B,D17005B,D17006B,D17007B
8.	Brake Disc	KBI	24093104-0028-03-17,24093104-0019-04-17, 24093105-0013-04-17,24093105-0010-04-17	24093107-0027-05-17,24093107-0025-05-17, 24093104-0030-04-17,24093104-0033-04-17
9.	Ball Joint Control Arm	GMT		
10.	Lateral Bump Stop	GMT		
11.	Traction Centre make	SARITA		
12.	Traction lever make	J1 12-16		
13.	Ball joint traction Lever	S-BLOC		
14.	Ball joint traction centre	GMT		
15.	Secondary Rubber Pad	TECSPAK		
16.	Rubber Spring	GMT		
17.	Anti roll bar make	SARITA		
18.	Roll Link make	SARITA/ GMT		
19.	Fork make	SARITA		

Signature of SSE/Bogie/QC



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Rolling Stock Certificate No.: MCF/RBL/QC/RSC/2017-18/92

Rolling Stock Certificate No. MCF 7825-00																			
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11. TRACEABILITY OF FURNISHING ITEMS:

S NO	ITEM	MAKE/SUPPLIER	SERIAL NO
1.	Air Brake Module	M/s Faively trans. tech.india ltd baddi(HP)	A17023B
2.	Pull box	M/s Faively trans. tech.india ltd baddi(HP)	
3.	DV	M/s Faively trans. tech.india ltd baddi(HP)	17015507B
4.	PVC	M/s Responsive ind.Delhi	
5.	UIC Vestibule (PPE)	M/s Cemcon ind.DLI	
6.	UIC Vestibule (NPPE)	M/s Cemcon ind.DLI	
7.	Foot Step	M/s Super spark pvt. ltd. faridabad	
8.	Lavatory Inlay	M/s Oasis Fabrication Jagdhari	
9.	Decoupling arrangement	M/s Kohinoor Industries Faridabad	
10.	Body Side Window	M/s AB composites Pvt. Ltd, Kolkata	
11.	Emergency Window	M/s Macedon Vinimay Pvt. Ltd, Kolkata	
12.	Hopper Window	M/s Aikon ind.jalandhar	
13.	Non-AC Area Ceiling	M/s JR Industries Jalandhar	
14.	Body Side Doors	M/s JBM Faridabad	
15.	Vestibule Door(PPE)	M/s Hanspal KXH	
16.	Vestibule Door(NPPE)	M/s Hanspal KXH	
17.	Bio Tank	M/S Rail Fab pvt.ltd. KXH	
18.	Auxiliary Water Tank	M/s Amit Engg, mohali	
19.	Under Slung Water Tank(2X685L)	M/s Shivalic fastners pvt.ltd. mohali	
20.	Under Slung Water Tank (1X450L)	M/s Amit Engg, Baddi	
21.	Bib Cock/Controlled Discharge Tap	M/s Kalsi Pumps Jalandhar	
22.	Lavatory Doors	N/A	
23.	Seat & Berth	M/s Oriental veneer products mumbai	
24.	Snack Table	M/s Ananya rail coach components ind.LLJ	

वरिष्ठ अधिकारी
SSE/QC/MCF/RBL
गुणवत्ता विभाग

रेलवे कारखाना, रायबरेली (लालगंज)



	Modern Coach Factory Raebareli आधुनिक रेल डिब्बा कारखाना, रायबरेली	DOC NO.: MCF/RBL/QMF 8002
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Rly	E	R	-	Type	L	W	S	C	N	Shell No.	7	7	0	3	4	-	2	0	1	7	-	1	8

12. MODIFICATION (IF ANY) : NIL

13. DEVIATION (IF ANY) : NIL

14. ITEM FITTED ON THE COACH ON TRIAL : NIL

S NO	ITEM PARTICULARS	PURPOSE	REPORT Frequency	REFERENCE & PERIOD OF TRIAL

15. WARRANTY:

S NO	COMPONENTS	WARRANTY
1	Brake pad , wheels, push gravity cocks, flushing valves, mouldings, window glasses, mirrors, roller blinds, curtain & bulbs etc. (items which are consumable in nature)	NIL
2	Other coach furnishing sub assemblies(bought out items)	24 months date of dispatch of coach or 30 months from date of supply of material whichever is earlier.

NOTE:

- This warranty covers free supply of parts which wear out and fails within warranty period of normal service.
- This doesn't covers faults arising out of accident, non standard maintenance practices, abnormal use or mishandling, vandal activity, arson & deficient/pilferage etc.
- This doesn't cover any consequential liabilities or damages/loss incurred by anybody; furthermore, it shall in no case extend to repayment, return of the coach or replacement of complete coach.
- Whether a defective part is to be replaced or repaired shall be at the discretion of MCF/RBL.
- For any complain/ suggestion please Mail at qualityrcfbl@gmail.com

 01/07/17	 03/07/17	 31/08/2017
SSE/QC/MCF/RBL परिष्कार/गुणवत्ता विभाग रैडिकारो, रायबरेली (लालगंज)	AME/QC/MCF/RBL सहायक यांत्रिक अभियंता/गुणवत्ता Assistant Mechanical Engineer/Quality आधुनिक रेल डिब्बा कारखाना, रायबरेली Modern Coach Factory, Raebareli	Dy.CQM/MCF/RBL जोगिन्दर सिंह उप मुख्य गुणवत्ता प्रबंधक Dy. Chief Quality Manager आधुनिक रेल डिब्बा कारखाना, रायबरेली Modern Coach Factory, Raebareli





Modern Coach Factory Raebareli
आधुनिक रेल डिब्बा कारखाना, रायबरेली

DOC NO.: MCF/RBL/QEF/8001

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DATE:18.01.2017

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FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF LHB/EOG NON AC SCN COACHES

ELECTRICAL TEST CERTIFICATE FOR LHB/EOG NON AC COACHES

TYPE COACH	LWSCN	SHELL/COACH NO	17212/C
RAILWAY	ER	DATE OF DESPATCH	
Sr no	Description of test	Remarks	
1.	PUMP EQUIPMENTS	OK	
2.	LIGHTS, NL,LAP CHARGING SOCKETS	OK	
3.	RAILWAY CARRIAGE FAN	OK	
4.	WHEEL SLIDE PROTECTION SYSTEM (WSP)	OK	
5.	WORKING OF 9 KVA TRANSFORMER	OK	
6.	WORKING OF REGULATED BATTERY CHARGER	OK	
7.	SAFETIES :		
7.1.	FUSES AND THEIR RATING	OK	
7.2	CONTROL CIRCUIT	OK	
7.3	POWER CIRCUIT	OK	

(Signature)
Senior Section Engineer
Quality control / Electrical
Modern Coach Factory Raebareli



Modern Coach Factory Raebareli
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FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF LHB/EOG NONAC SCN COACHES

01.	Switch board cabinet Make : SSK On Board Sr no : 2017/02/032 HT Panel Sr no : 2017/02/037	EDTS 333, Rev`01'Am-1	01
02.	Pump equipment with PLC controller & pump box Make : DR AUTO Sr no PA: 0217/018 Sr no.1 : 17010060 Sr no.2 : 17010129 Sr no.CPA: 0095/02/2017	As per spec EDTS 186,Rev-a, Am- 2	01
03.	Emergency light system for EOG type coaches (AEL), Make : VGS	EDTS 151,Rev -c Am-1 & 2	04
04.	Fitment of Passenger Alarm cum indication light (PACIL), Make : DR AUTO	As per drg no. LW 76005,Alt - e	02
05.	Fitment of Switch Plate Assly(Cabin Side) Make : RECORD	EDML 086,Rev-03, ITEM-01	10
06.	Fitment of Switch Plate Assly Corridor Side),Make : RECORD	EDML 086, Rev 03, ITEM-02	10
07.	Fitment of Railway carriage Fan 400mm Sweep, 110V DC with crash worthy features. Make : CROMPTON GREAVES	IS 6680/92,First Rev, RCF Amdt 4, Col I, Ty XI, RCF Cor I.	30
08.	Fitment of Fluorescent light fitting for LHB type coaches. Make : DR AUTO	LW 76033,Alt -c	04
09.	Fitment of Fluorescent light fitting, SINGLE with 110V AC/DC ballast. Make : KAVERI	CC 76213,Alt`d'.	24
10.	Night Light Fitting (LED BASED) Sticker For Berth Number On Night light Fitting For LHBSCN(80-BERTHER)Coaches Make : VSI	CC76289 & CC76443	10

Chakraborty
Senior Section Engineer
Quality control / Electrical
Modern Coach Factory Raebareli



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ROLLING STOCK CERTIFICATE OF LHB/EOG NONAC SCN COACHES

11.	Fitment of Compact Fluorescent Light fitting DOUBLE with 110V AC/DC ballast. Make : KAVERI	CC 76216, Alt 'c'.	02
12.	FL Tubes, 02 Feet ,18Watt ,colour temp 6500K	RDSO/PE/SPEC/TL 0011, Sec I, Rev I, 07 2001.	24
13.	Battery fuse box +ve Make : AECO	LW 71001,Alt-F	01
14.	Battery fuse box -ve Make : INTEG	LW 71002,Alt-F	01
15.	Regulated battery charger Make : HI REL Sr no: 15090484	As per RDSO/pe/spec/ac/0129, Rev.-1 (2009)	01
16.	9KVA transformer Make : VIMAL Sr no : 657	As per RDSO/PE/SPEC/TL 0158, 2010, Rev '0', Ty I.	01
17.	ZS coupling 400A/750V/03Ph/50hz. Make : MAA LAXMI INDUSTRIES	As per spec No EDTS 105,Rev 'e' Am-3, TYPE-2	01 set
18.	Feeder junction boxes. Make : NEC	EDTS-328 REV-C	01 set
19.	Wheel set earthling equipment. Make : MAA LAXMI INDUSTRIES	EDTS101,REV-C,AM-1	02 sets
20.	Wheel Slide Protection System (WSP) Make : FAIVELEY Sr no : 04/17/128	M/s : FAIVELEY	01 set
21.	110V,120AH,VRLA SMF BATTERY SET WITH 19 MONOBLOCK (6V EACH) PRECHARGED,WIH MODIFIED TRAY TOSKED-644 Make : HBL Lug date : 12/2016	RDSO/pe/spec/ac-0009 rev-1-2008 amdt-1	01 set
22.	Battery box for LHB coaches. Make : HI TECH	CC 91205	01

SSE/EL/QC	Dy CEE(P)/MCF/RBL

वरिष्ठ अनुभाग अभियन्ता
गुणवत्ता नियंत्रण
आर.रेडिआ / लालगंज / रायबरेली
S.S.E./EL-QC/M.C.F./LLJ/RBL

उत्पादन एवं योजना
आर.रेडिआ / लालगंज / रायबरेली
Dy.C.E.E./Prod & Plg/M.C.F./LLJ/RBL