



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/ 199

Coach No.				1	7	4	0	5	/	C	DATE OF DISPATCH				1	9	-	0	8	-	1	7
RLY	W	C	R	Type	L	S	5	-	Shell No.	7	6	0	1	8	-	2	0	1	7	-	1	8

- Railway Board's Order No. : 2017/M(C)/142/2 Dated. 25.04.2017
- Tare Weight of Coach : 40.66 Tonnes
- Carrying Capacity : (a) Seating: 100 (b) 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)1095 (NPPE) 2) 1100 (PPE)

5. TRACEABILITY OF SHELL ITEMS:

S NO		ITEM	MAKE/SUPPLIER	SERIAL NO			
1.	Underframe	Front Part	M/S Ved sessomeccanica india pvt.ltd.cnb	PP END	15	NPP END	15
		Complete	M/S Ved sessomeccanica india pvt.ltd.cnb				
2.	Side wall		M/s-MCF/RBL	RH	76018	LH	76018
3.	End wall	PP	M/S E.c.blades &tool pvt. Ltd CDG	PP END	76018	NPP END	76018
		NPP	M/S E.c.blades &tool pvt. Ltd CDG				
4.	Roof		M/S Indira ind.ranipet chennai				
5.	Centre Buffer Coupler		M/S Sanrok faridabad	PP END	3016	NPP END	3024
6.	Buffers		N.A.				

6. AIRBRAKE TEST REPORT:

S NO	ITEM	DESCRIPTION	SPEC. VALUE	OBSERVED
1.	Full brake application	➤ Reduce pressure of BP from 5.0 to 3.4 kg/cm ² . ➤ Max. pressure in BC ➤ All Brake are applied	6 – 10 sec. 3.0 ±0.15 kg/cm ² . OK	07 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 DAETAILS:

S NO	DESCRIPTION	TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE
1.	Paint	P.U	M/s -GS	89/87
2.	Insulation		Satisfactory	

वसिष्ठ

SSE/QC/MCF/RBL

गुणवत्ता विभाग

रेडिओका, रायबरेली (लालगंज)





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RLY	W	C	R	TYPE	L	S	5	Shell No.	7	6	0	1	8	-	2	0	1	7	-	1	8
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8 . DETAIL OF BOGIES:

ITEMS	NPP Side				PP Side			
Bogie No	170333				170334			
Bogie Type	FIAT				FIAT			
Frame no.	MCF/RBL-33				SCI-LS-5-875			
Bolster no.	AAL/MCF-009				AAL/MCF-015			
Axle No	V-2072		V-2341		V-2507		V-2269	
Wheel Dia	917.529	917.554	917.549	917.562	917.544	917.559	917.531	917.547
Wheel Disc No	00155-6225 08-16	00029-6225 08-16	00026-7257 10-16	00087-7274 10-16	00152-7274 10-16	00100-7274 10-16	00101-7321 10-16	00145-7321 10-16
R.B. Nos.	05-16 99808	05-16 99955	02-17 818899	05-16 99944	05-17 62347	05-17 99950	02-16 81690	09-16 79978
CT R B Make	SKF		SKF		SKF		SKF	

9. SECONDARY SUSPENSION

DESCRIPTION	Bogie NPP side		Bogie PP side	
	Secondary 1	Secondary 2	Secondary 1	Secondary 2
Make & Nos.	FIRESTONE TVS PVT,LTD 1128-04-2017	FIRESTONE TVS PVT,LTD 1113-04-2017	FIRESTONE TVS PVT,LTD 1095-04-2017	FIRESTONE TVS PVT,LTD 1129-04-2017

10. TRACEABILITY OF BOGIE ITEMS:

S. NO	ITEM	MAKE/SUPPLIER	SERIAL NO.	
			NPP SIDE	PP SIDE
1.	Primary outer Spring	CMGBD	03-17(121,99,74,72)	03-17 (96,147,148,125)
2.	Primary Inner Spring	CMFSK	01-17(560,895,599,835)	01-17(765,550,084,523)
3.	Primary Damper	KNORR	05-17(7747,7737,7745,7751)	05-17(8019,7763,7709,8004)
4.	Secondary Damper	GABRIEL	11-16(332,336)	11-16(333,331)
5.	Lateral Damper	GEREP	KW 43-2016 301550559	KW 17-2017 301550559
6.	Brake Cylinder	FAV	C17-097,C17-165,C17-164,C17-099	M16-404,A17-046,A17-044,M16-206
7.	Brake Caliper	FAV	D17151B, D17149B, D17150B, D17152B,	D17155B, D17153B, D17154B, D17156B,
8.	Brake Disc	FAV	D-133561-300-03-17-1395, D-133561-300-03-17-1393, D-133561-300-03-17-1377, D-133561-300-03-17-1373,	D-133561-300-04-17-1574, D-133561-300-04-17-1573, D-133561-300-03-17-1431, D-133561-300-03-17-1427,
9.	Ball Joint Control Arm	GMT		
10.	Lateral Bump Stop	MGN		
11.	Traction Centre make	SARITA		
12.	Traction lever make	JI/SARITA		
13.	Ball joint traction lever	S-BLOC/SGA		
14.	Ball joint traction centre	SGA/GMT		
15.	Leveling Valve	KNOOR	04-17(6934,6935)	04-17(6933,6939)
16.	Check Valve	KNORR	04-17 10022	01-17-9601
17.	Anti roll bar make	SARITA		
18.	Roll Link make	SARITA /SGA		
19.	Fork make	SARITA		

Signature of SSE/Bogie/QC



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11. TRACEABILITY OF FURNISHING ITEMS:

S NO	ITEM	MAKE/SUPPLIER	SERIAL NO
1.	Air Brake Module	M/s Faively transport tech.india ltd baddi(HP)	D17045B
2.	DV	M/s Faively transport tech.india ltd baddi(HP)	17035515B
3.	Pull box	M/s Faively transport tech.india ltd baddi(HP)	
4.	FIBA	M/s KBI Faridabad. New Delhi	PP END 0413/29 NPP END 0658/29
5.	PVC	M/s Responsive ind.mumbai	
6.	UIC Vestibule (PPE)	M/s-Sunrest ind.kolkata	
7.	UIC Vestibule (NPPE)	M/s-Sunrest ind.kolkata	
8.	Foot Step	M/s Super spark pvt.ltd.faridabad	
9.	Gangway Bridge mounting(PPE)	M/s Mahavir metal works Kapurthala	
10.	Gangway Bridge mounting(NPPE)	M/s Mahavir metal works Kapurthala	
11.	Lavatory Inlay	M/s Oasis Fabrication Jagdhari	
12.	Body Side Window	M/s AGF Pvt. Ltd, Kolkata	
13.	Emergency Window	M/s Macedon Vinimay Pvt. Ltd, Kolkata	
14.	Hopper Window	M/s Birkan engg.pvt.ltd.GAZIABAD	
15.	Body Side Doors	M/s JBM faridabad	
16.	Bio Tank	M/s Oriental aghai	
17.	Overhead Water Tank(4X390L) 2,3,4	M/s Rail fab kapurthala	
18.	Overhead Water Tank(4X390L) 1	M/s Rubicon kapurthala	
19.	Bib Cock/Controlled Discharge Tap	M/s Agmeco. Faucet Pvt.Ltd. UK	
20.	Lavatory Doors	M/s JR Industries Jalandhar	
21.	Seat & Berth	M/s Oriental veneer products mumbai	
22.	Luggage Rack	M/s Lucky enterprises Gurgaon	

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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, moldings, window glasses, mirror 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:

1. This warranty covers free supply of parts which wear out and fails within warranty period of normal service.
2. This doesn't covers faults arising out of accident, non standard maintenance practices, abnormal use or mishandling, vandal activity, arson & deficient/pilferage etc.
3. 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.
4. Whether a defective part is to be replaced or repaired shall be at the discretion of MCF/RBL.
5. For any complain/ suggestion please Mail at qualityrcfbl@gmail.com

 वरिष्ठ अभियंता SSE/OC/MCF/RBL गुणवत्ता विभाग रेल डिब्बा कारखाना, रायबरेली (लालगंज)	 G.S. Pandey सहायक यंत्रिक अभियंता / गुणवत्ता Assistant Mechanical Engineer/Quality आधुनिक रेल डिब्बा कारखाना, रायबरेली Modern Coach Factory, Raebareli	 Dy. Chief Quality Manager आधुनिक रेल डिब्बा कारखाना, रायबरेली Modern Coach Factory, Raebareli
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Modern Coach Factory Raebareli
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DOC NO.: MCF/RBL/QEF/8001

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FOR ELECTRICAL ITEMS**ROLLING STOCK CERTIFICATE OF LHB/EOG NON AC GS COACHES**

PAGE 1 OF 3

ELECTRICAL TEST CERTIFICATE FOR LHB/EOG NON AC GS COACHES

SHELL/COACH NO	17405/C	TYPE COACH	LGS
RAILWAY	WCR	DATE OF DESPATCH	
Sr no	Description of test	Remarks	
2.	LIGHTS, 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	

Senior Section Engineer
Quality control / Electrical
Modern Coach Factory Raebareli



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FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF LHB/EOG NON AC GS COACHES

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01.	Switch board cabinet Make : SSK On Board Sr no : 2017/04/092 HT Panel Sr no : 2017/04/114	EDTS 333, Rev` 01`Am-1	01
02	Emergency light system for EOG type coaches (AEL), Make : VGS	EDTS 151,Rev -c Am-1 & 2	04
03.	Fitment of Passenger Alarm cum indication light (PACIL). Make : D R AUTO	As per drg no. LW 76005,Alt -e 02 nos	02
04.	Fitment of Switch Plate Assly (Cabin Side) Make : SSK	EDML 127,Rev-1& DRG NO 4248ALT-a	10
05.	Fitment of Switch Plate Assly (Corridor Side) Make : SSK	EDML 127,Rev-1 & DRG NO 4249 ALT-a	10
06.	Fitment of Railway carriage Fan 400mm Sweep, 110V DC with crash worthy features. Make : IMT,CROMPTON	IS 6680/92,First Rev, RCF Amdt 4, Col I, Ty XI, RCF Cor I.	30
07.	Fitment of Fluorescent light fitting for LHB type coaches. Make : D R AUTO	LW 76033,Alt`c,	04
08.	Fitment of Fluorescent light fitting, SINGLE with 110V AC/DC ballast. Make : FLOLITE,KAVERI	CC 76213,Alt`d`.	26
09.	Fitment of Compact Fluorescent Light fitting DOUBLE with 110V AC/DC ballast. Make : KAVERI	CC 76216, Alt `c`.	02

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10.	FL Tubes, 02 Feet ,18Watt ,colour temp 6500K	RDSO/PE/SPEC/TL 0011, Sec I, Rev I, 07 2001.	26
11.	Battery fuse box +ve Make : AECO	LW 71001,Alt-F	01
12.	Battery fuse box -ve Make : INDORAIL	LW 71002,Alt-F	01
13.	Regulated battery charger Make : AAL Sr no: 061702403	As per RDSO/pe/spec/ac/0129, Rev.-1 (2009)	01
14.	9KVA transformer Make : VIMAL Sr no : 829	As per RDSO/PE/SPEC/TL 0158,2010, Rev`0', TypeI.	01
15.	ZS coupling 400A/750V/03Ph/50hz. Make : MAA LAXMI INDUSTRIES	As per spec No EDTS 105,Rev`e' Am-3 TYPE-2	01 set
16.	Feeder junction boxes. Make : NEC	EDTS-328 REV-C	01 set
17.	Wheel set earthling equipment. Make : CHANDA & CHANDA	EDTS101,REV-C,AM-1	02 set
18.	Wheel Slide Protection System (WSP) Make : FAIVELEY Sr no : 07/17/262	M/s : FAIVELEY	01 set
19.	110V,120AH,VRLA SMF BATTERY SET WITH 19 MONOBLOCK (6V EACH) PRECHARGED,WIH MODIFIED TRAY TOSKED-644 Make : A RAJA Lug date : 05/2017	RDSO/pe/spec/ac-0009 rev-1-2008 amdt-1	01 set
20.	Battery box for LHB coaches. Make : HI TECH	CC 91205	01

SSE/EL/QC	SEE(P)/MCF/RBL

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गुणवत्ता नियंत्रण
आर.रेडिबा/लालगंज/रायबरेली
S.S.E./Elect-QC/M.C.F./LLJ/RBL

वरिष्ठ विद्युत अभियन्ता
रेल कोच फैक्टरी, रायबरेली, लखनऊ
Sr. Electrical Engineer / RCF / RBL / Lucknow