



	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/ 197

Coach No.	1	7	4	0	4	/	C	DATE OF DISPATCH	1	7	-	0	8	-	1	7
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RLY	W	C	R	Type	L	S	5	-	Shell No.	7	6	0	1	3	-	2	0	1	7	-	1	8
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- 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)1097 (NPPE) 2) 1104 (PPE)

5. TRACEABILITY OF SHELL ITEMS:

3. TRACEABILITY OF SHELL ITEMS.							
S NO	ITEM		MAKE/SUPPLIER	SERIAL NO			
1.	Underframe	Front Part	M/S Sidhu ind.corporation KXH	PP END	105	NPP END	105
		Complete	M/S Sidhu ind.corporation KXH				
2.	Side wall		M/s-MCF/RBL	RH	76013	LH	76013
3.	End wall	PP	M/S E.c.blades & tool pvt. Ltd CDG	PP END	76013	NPP END	76013
		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	3018	NPP END	3038
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	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 BERGER	89/87
2.	Insulation	Satisfactory		

वरि०अनु० अभिवृत्ता
गुणवत्ता विभाग
रे०डि०कार० रायबरेली (बालगंज)
SSE/QC/MCF/RBL



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RLY	W	C	R	TYPE	L	S	5	Shell No.	7	6	0	1	3	-	2	0	1	7	-	1	8
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8. DETAIL OF BOGIES:

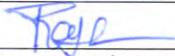
ITEMS	NPP Side				PP Side			
Bogie No	170229				170230			
Bogie Type	FIAT				FIAT			
Frame no.	SCI/FM-843				SCI/FM-884			
Bolster no.	MCF/RBL/LS-5-0161				MCF/RBL/LS-5-0191			
Axle No	V-1824 RWF		V-2119 RWF		V-1189 RWF		V-1780 RWF	
Wheel Dia	917.505	917.519	917.482	917.514	917.449	917.523	917.454	917.543
Wheel Disc No	00094-7253 VR 10-16	00100-7253 VR 10-16	00013-6189 VR 09-16	00011-6189 VR 09-16	00101-7257 VR 10-16	00035-7257 VR 10-16	00052-7253 VR10-16	00169-7257 VR10-16
R.B. Nos.	07-16 69836	09-16 76715	07-16 71798	09-16 76327	07-16 70785	09-16 77404	07-16 72122	09-16 77086
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.	FSTVS PVT,LTD 1091-04-2017	FSTVS PVT,LTD 1097-04-2017	FSTVS PVT,LTD 1126-04-2017	FSTVS PVT,LTD 1120-04-2017

10. TRACEABILITY OF BOGIE ITEMS:

S. NO	ITEM	MAKE/ SUPPLIER	SERIAL NO.	
			NPP SIDE	PP SIDE
1.	Primary outer Spring	CMGBD	03-17-1100-22(136,15,69,137)	03-17-1100-22(19,33,92,152)
2.	Primary Inner Spring	CMGBD	03-17-1101-20(449,104,60,37)	03-17-1101-20(717,53,715,65)
3.	Primary Damper	KNORR	05-17(7362,7742,7336,7342)	05-17(7746,7341,7761,7358)
4.	Secondary Damper	GABRIEL	11-16(071,070)	11-16(074,076)
5.	Lateral Damper	GEREP	KW 17-2017 301550559	KW 17-2017 301550559
6.	Brake Cylinder	FAV	C17-259,C17-257,D17-043,C17-257	D17-041,C17-311,C17-308,D17-040
7.	Brake Caliper	FAV	D17339B, D17337B, D17338B, D17340B,	D17348B, D17346B, D17345, D17347B,
8.	Brake Disc	KBI	24093105-0017-04-17, 24093105-0016-04-17, 24093108-0017-05-17, 24099125-0035-13-17,	24093107-0018-04-17, 24093108-0013-05-17, 24093105-0008-04-17, 24093107-0021-05-17,
9.	Ball Joint Control Arm	GMT		
10.	Lateral Bump Stop	MGN		
11.	Traction Centre make	EMSON/SARITA		
12.	Traction lever make	SARITA		
13.	Ball joint traction lever	SGA		
14.	Ball joint traction centre	GMT		
15.	Leveling Valve	KNOOR	01-17(6929,6928)	01-17(6922,6898)
16.	Check Valve	KNORR	03-17 9999	03-17-9996
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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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)	D17032B
2.	DV	M/s Faively transport tech.india ltd baddi(HP)	17045531B
3.	Pull box	M/s Faively transport tech.india ltd baddi(HP)	
4.	FIBA	M/s KBI Faridabad. New Delhi	PP END 0407/29 NPP END 0469/29
5.	PVC	M/s Responsive ind.mumbai	
6.	UIC Vestibule (PPE)	M/s SSIPL Mumbai	
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 Hindustan fibre ltd vadodara	
17.	Overhead Water Tank(4X390L)	M/s Rubicon kapurthala	
18.	Bib Cock/Controlled Discharge Tap	M/s Agmeco. Faucet Pvt.Ltd. UK	
19.	Lavatory Doors	M/s JR Industries Jalandhar	
20.	Seat & Berth	M/s Oriental veneer products mumbai	
21.	Luggage Rack	M/s Lucky enterprises Gurgaon	

वरिष्ठ अभियंता
SSE/QC/MCF/RBL
रेल डिब्बा कारखाना, रायबरेली (लालमन)





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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:

- 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

 वरिष्ठ अभियंता SSE/QC/MCF/RBL रायबरेली (आलमगंज)	 U.S. Pandey सहायक यांत्रिक अभियंता / गुणवत्ता Assistant Mechanical Engineer/Quality आधुनिक रेल डिब्बा कारखाना, रायबरेली Modern Coach Factory, Raebareli	 Dy. COM/MCF/RBL जोगिन्दर सिंह Joginder Singh उप मुख्य गुणवत्ता प्रबन्धक Dy. Chief Quality Manager आधुनिक रेल डिब्बा कारखाना, रायबरेली Modern Coach Factory, Raebareli
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Modern Coach Factory Raebareli
आधुनिक रेल डिब्बा कारखाना, रायबरेली

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	17404/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	

(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 NON AC GS COACHES

PAGE 2 OF 3

01.	Switch board cabinet Make : SSK On Board Sr no : 2017/02/045 HT Panel Sr no : 2017/04/064	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 : KAVERI	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 : CROMPTON GREAVES	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

Senior Section Engineer
Quality control / Electrical
Modern Coach Factory Raebareli



Modern Coach Factory Raebareli
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ROLLING STOCK CERTIFICATE OF LHB/EOG NON AC GS COACHES

PAGE 3 OF 3

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: 061702409	As per RDSO/pe/spec/ac/0129, Rev.-1 (2009)	01
14.	9KVA transformer Make : PANTRONICS Sr no : 16015768	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 : 07/17/245	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

वरिष्ठ अनुभाग अभियन्ता
गुणवत्ता नियंत्रण
आपरेटिंग/लालगंज/रायबरेली
S.S.E./Eled-QC/M.C.F./LLJ/RBL

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