



आधुनिक रेल डिब्बा कारखाना, रायबरेली

MODERN COACH FACTORY, RAEBARELI

LSCN-84

FORM NO: RCF/RBL/QMF 8002
VERSION: 2016-01-13**ROLLING STOCK CERTIFICATE**

Rolling Stock Certificate No.: MCF/RBL/QC/RSC/2016-17/76

SHELL NO.	6	7	0	0	6	-	2	0	1	5	-	1	6	-	-	DATE OF DISPATCH	1	6	0	7	2	0	1	6
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RLY	E	R	-	Type	L	W	S	C	N	-	Coach No.	1	5	2	9	2	/	C	-
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1. Railway Board's Order No. : 2015/M(C)/142/1 Dtd. 13.10.2015
2. Tare Weight of Coach : 41.24
3. 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)1098 (NPPE) 2)1104 (PPE)

5. TRACEABILITY OF SHELL ITEMS:

S NO	ITEM	MAKE/SUPPLIER	SERIAL NO				
			PP END	67006	NPP END	67006	
1.	Underframe	Front Part	MCF/RBL	PP END	67006	NPP END	67006
		Complete	MCF/RBL				
2.	Side wall	MCF/RBL	RH	67006	LH	67006	
3.	End wall	PP- M/s Shivalic Fastner Pvt. Ltd. Mohali	PP END	67006	NPP END	67006	
		NPP-M/s E.C.Blade & Tool Chandigarh					
4.	Roof	MCF/RBL					
5.	Centre Buffer Coupler	M/s ESCORTS	PP END	5453	NPP END	5452	
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	7 sec. 3.0 kg/cm ² OK
2.	Insensitivity	<ul style="list-style-type: none"> > Exhaust BP @ 0.3 kg/cm²/min. 	No brake application	OK
3.	Sensitivity	<ul style="list-style-type: none"> > Exhaust BP @ 0.1 kg/cm²/Sec, after 02 Sec. 	Brake must apply	OK

7. PAINTING DAETAILS:

S NO	DESCRIPTION	TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE
1.	Paint	P.U	VIBGYOR	96/96
2.	Insulation		Satisfactory	

वरिष्ठ अभियंता
SSE/QC/MCF/RBL
रायबरेली विभाग
रेडिआ, रायबरेली (लालगंज)



LSCN-84

आधुनिक रेल डिब्बा कारखाना
MODERN COACH FACTORY RAEBARELI

FORM NO: MCF/RBL/QMF 8002
VERSION: 2016-01-13

ROLLING STOCK CERTIFICATE

Rolling Stock Certificate No.: MCF/RBL/QC/RSC/2016-17/076

SHELL No.	R	B	L	-	6	7	0	0	6	-	2	0	1	5	-	1	6	DATE OF DISPATCH	1	6	/	0	7	/	1	6
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RLY	E	R	-	Type	L	W	S	C	N	-	-	Coach No.	1	5	2	9	2	/	C	-	-
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8. DETAIL OF BOGIES :

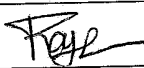
ITEMS	PP Side				NPP Side			
Bogie No	160082				160081			
Bogie Type	FIAT				FIAT			
Frame no.	SCI/FM-501				SCI/FM-507			
Bolster no.	RBL-499				RBL-516			
Axle No	F-9486 RWF		F-9236 RWF		F-9452 RWF		F-9589 RWF	
Wheel Dia	917.008	916.947	917.021	916.804	917.016	916.821	917.011	916.752
Wheel Disc No	6208-00179 15 VR	6229-00130 15 VR	06228-00136 15 VR	6210-00021 15 VR	6210-00185 15 VR	06228-00133 15 VR	6208-00166 15 VR	6228-00173 15 VR
R.B. Nos.	02-15 02701	02-15 02579	02-15 02549	02-15 02449	02-15 01973	03-15 03282	02-15 02542	03-15 03281
CT R B Make	TIMKEN		TIMKEN		TIMKEN		TIMKEN	

9. SECONDARY SUSPENSION LOAD DEFLECTION VALUES

DESCRIPTION	Bogie PP side				Bogie NPP side			
	Secondary 1		Secondary 2		Secondary 1		Secondary 2	
	Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner
Make & Nos.	CMGBD 03-16-5101-09-45	G15-11-339	CMGBD 03-16-5101-09-39	G15-11A-212	CMGBD03-16-5101-09-1	CMFSK04-16-5100-193-22	CMGBD03-16-5101-09	CMFSK04-16-5100-193-2
Compressed Ht. at Tested Load	515	470	516	470	512	472	513.5	472
Alignment deviation (mm)	6	10	6	10	6	7	7	7

10. TRACEABILITY OF BOGIE ITEMS:

S. NO	ITEM	SERIAL NO.		MAKE
		PP SIDE	NPP SIDE	
1.	Primary outer Spring	CMFSK09-16-1100-191(129,45,156,192)	CMFSK09-16-1100-191(117,204,17,234)	CMFSK
2.	Primary Inner Spring	CMGBD03-16-1101-02(109,174,124,154)	L&S 11-15CVB1434	CMGBD/ L&S
3.	Primary Damper	05-2016(32685,32692,32647,32742)	05-2016(32653,32637,32736,32712)	KONI
4.	Secondary Damper	KW 37-2015-301550739	KW 37-2015-301550739	GREEP
5.	Lateral Damper	KW 37-2015-301550332	KW 37-2015-301550332	GREEP
6.	Brake Cylinder	2219K29,2332K29,2127K29,2218K29,	3177K29,2331K29,3139K29,3180K29	KBI
7.	Brake Caliper	2171-29,2289-29,2025-29,2170-29	3000-29,2290-29,3033-29,3003-29	KBI
8.	Brake Disc	24067893 0028-08/16,24067893 0015-08/16, 24065028 0012-06/16,24067808 0038-06/16	24067893 0027-08/16, 24067893 0018-08/16 24067893 0026-08/16,24067893 0016-08/16	KBI
9.	Ball Joint Control Arm			MGN
10.	Lateral Bump Stop			MGN
11.	Traction Centre make			SARITA
12.	Traction lever make			SARITA
13.	Ball joint traction lever			GMT
14.	Ball joint traction centre			GMT
15.	Secondary Rubber Pad			TECSPA
16.	Rubber Spring			GMT
17.	Anti roll bar make			SARITA
18.	Roll Link make			SARITA/MGN
19.	Fork make			SARITA


Signature of SSE/Bogie/QC

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MODERN COACH FACTORY, RAEBARELI

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RLY	E	R	-	Type	L	W	S	C	N	-	Coach No.	1	5	2	9	2	/	C	-					

11. TRACEABILITY OF FURNISHING ITEMS:

S NO	ITEM	MAKE/SUPPLIER	SERIAL NO
1.	Air Brake Module	M/s KBI ,Faridabad ,New Delhi	16B1411
2.	Pull box	M/s KBI ,Faridabad ,New Delhi	
3.	DV	M/s KBI ,Faridabad ,New Delhi	2015M2022
4.	PVC	M/s Responsive Industries, Colaba, Mumbai	
5.	UIC Vestibule (PPE)	M/s Cemcon Industries New Delhi	
6.	UIC Vestibule (NPPE)	M/s Cemcon Industries New Delhi	
7.	Foot Step	M/s Super Spark Pvt. Ltd. Faridabad	
8.	Lavatory Inlay	M/s OASIS Febrication Jagdhari	
9.	Decoupling arrangement	M/s Kohinoor Industries, Faridabad	
10.	Body Side Window	M/s AGF Pvt. Ltd. Kolkata	
11.	Emergency Window	M/s AB Composit, Kolkata	
12.	Hooper Window	M/s Aikon Technology Pvt.Ltd.Solan (H.P)	
13.	Non-AC Area Ceiling	M/s Gandhi Safe & Allied, Jalandhar	
14.	Body Side Doors	M/s JBM, Faridabad	
15.	Vestibule Door(PPE)	M/s Kalsi Ludhiana	
16.	Vestibule Door(NPPE)	M/s Kalsi Ludhiana	
17.	Bio Tank	M/s Oasis Fabrication, Jagadari	
18.	Auxiliary Water Tank	M/s Manoj Enterprises, Mohali Punjab	
19.	Under Slung Water Tank(2X685L)	M/s Shivalik Fasteners, Mohali Punjab	
20.	Under Slung Water Tank(1X685L)	M/s Shivalik Fasteners, Mohali Punjab	
21.	Bib Cock/Controlled Discharge Tap	M/s Kalsi Pump Pvt.Ltd. Jalandhar	
22.	Lavatory Doors	N/A	
23.	Seat & Berth	M/s Oriental veneer Products Ltd Mumbai	
24.	Snack Table	M/s Rail Experts, Jalandhar	

JH
रजिस्ट्रार अभियंता
MCF/RBL
गुणवत्ता विभाग
रेडिको, रायबरेली (लालगंज)

आधुनिक रेल डिब्बा कारखाना, रायबरेली
MODERN COACH FACTORY, RAEBARELI

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RLY	E	R	-	Type	L	W	S	C	N	-	Coach No.	1	5	2	9	2	/	C	-					

12. MODIFICATION (IF ANY) : NIL

13. DEVIATION (IF ANY) : NIL

14. ITEM FITTED ON THE COACH ON TRIAL : NIL

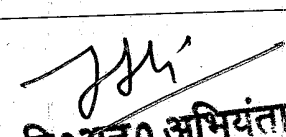
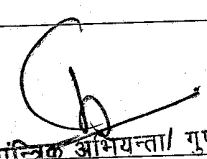
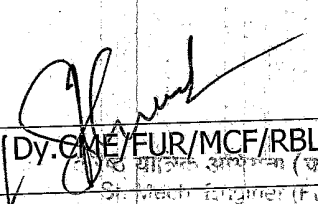
S NO	ITEM PARTICULARS	PURPOSE	REPORT	REFERENCE &
			Frequency	PERIOD OF TRIAL

15. WARRANTY:

S NO	COMPONENTS	WARRANTY
1	Brake blocks, wheels, push gravity cocks, flushing valves, moldings, window glassés, 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 RCF/RBL.
- For any complain/ suggestion please Mail at qualityrcfbl@gmail.com

 वरिष्ठ अंनं अभियंता SSE/OC MCF/RBL गुणवत्ता विभाग रेडिंक, रायबरेली (लालगंज)	 सहायक यान्त्रिक अभियंता/ गुणवत्ता Asst. Mechanical Quality डिब्बा कारखाना, लालगंज, रायबरेली Rail Coach Factory, Lalganj, Raebareli	 DY. CME/FUR/MCF/RBL रेल डिब्बा कारखाना, रायबरेली (लालगंज) Rail Coach Factory, Lalganj, Raebareli
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SCN-84



Govt. of India- Ministry of Railways
(RAIL COACH FACTORY-RAEBARELI)



RCF/RBL/QEFSCN- 7001
VER.25.08.2014
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FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF LHB/EOG NONAC SCN COACHES
ELECTRICAL TEST CERTIFICATE FOR LHB/EOG NON AC COACHES

TYPE COACH	LWSCN	SHELL/COACH NO	15292/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 :		OK
7.1.	FUSES AND THEIR RATING		OK
7.2.	CONTROL CIRCUIT		OK
7.3.	POWER CIRCUIT		OK

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





Govt. of India- Ministry of Railways
(RAIL COACH FACTORY-RAEBARELI)



RCF/RBL/QEF/SCN- 7001

VER.25.08.2014

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FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF LHB/EOG NONAC SCN COACHES

01.	Switch board cabinet Make : ABROL On board Sr no: 2015/07/52B HT panel sr no: 2015/05/36B	EDTS 333, Rev` 01`Am-1	01
02.	Pump equipment with PLC controller& pump box Make: KALSI Sr no PA: 5056/02/2016 Sr no.1: 262991/02/2016 Sr no.2: 262992/02/2016 Sr no.CPA: 5047/02/2016	As per spec EDTS 186,Rev-a, Am- 2	01
03.	Emergency light system for EOG type coaches (AEL)	EDTS 151,Rev -c Am-1 & 2	04
04.	Lavatory light fitting assly	LW 76001,Alt nil	04
05.	Fitment of Passenger Alarm cum Reservation Chart Indication Light	CC 76238, Alt`d`.	02
06.	Fitment of Switch Plate Assly (Cabin Side)	EDML 086, Rev-03.	10
07.	Fitment of Switch Plate Assly Corridor Side)	EDML 086, Rev 03.	10
08.	Fitment of Railway carriage Fan 400mm Sweep, 110V DC with crash worthy features. Make: R KANWAR	IS 6680/92,First Rev, RCF Amdt 4, Col I, Ty XI, RCF Cor I.	30
09.	Fitment of Fluorescent light fitting for LHB type coaches.	LW 76033,Alt`c,	04
10.	Fitment of Fluorescent light fitting, SINGLE with 110V AC/DC ballast.	CC 76213,Alt`d`.	24
11.	Night Light Fitting (LED BASED) Sticker For Berth Number On Night light Fitting For LHBSCN(80-BERTHER)Coaches	CC76289 & CC76443	10

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



Govt. of India- Ministry of Railways
(RAIL COACH FACTORY-RAEBARELI)



RCF/RBL/QEF/SCN- 7001

VER.25.08.2014

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FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF LHB/EOG NONAC SCN COACHES

12.	Fitment of Compact Fluorescent Light fitting DOUBLE with 110V AC/DC ballast.	CC 76216, Alt 'c'.	02
13.	FL Tubes, 02 Feet ,18Watt ,colour temp 6500K	RDSO/PE/SPEC/TL 0011, Sec I, Rev I, 07 2001.	24
14.	Battery fuse box +ve Make : ISG	LW 71001,Alt-F	01
15.	Battery fuse box -ve Make : NEC	LW 71002,Alt-F	01
16.	Regulated battery charger Make : AAL Sr no: BCH 061505011	As per RDSO/pe/spec/ac/0129, Rev.-1 (2009)	01
17.	9KVA transformer Make : VIMAL Sr no : 319	As per RDSO/PE/SPEC/TL 0158, 2010, Rev '0', Ty I.	01
18.	ZS coupling 400A/750V/03Ph/50hz. Make : S INTERNATIONAL	As per spec No EDTS 105,Rev 'e' Am-2	02 sets
19.	Feeder junction boxes. Make : ABROL	EDTS-328 REV-C.	02
20.	Wheel set earthing equipment. Make : DARSHAN ENTERPRISES	EDTS101,REV-C,AM-1	02
21.	Wheel Slide Protection System (WSP) Make: KNORR Sr no : 0115411868	M/s : KNORR	01 set
22.	110V,120AH,VRLA SMF BATTERY SET WITH 19 MONOBLOCK (6V EACH) PRECHARGED, WITH MODIFIED TRAY TO SKED-644 Make : AMAR RAJA Lug date : 07/2015	RDSO/pe/spec/ac-0009 rev-1-2008 amdt-1	01 set
23.	Battery box for LHB coaches.	CC 91205	01

SSE/EL/QC

चार्जिंग खण्ड अभियन्ता

विद्युत उत्पादन-गुणवत्ता

रेल कोच फैक्टरी / लालगंज / रायबरेली

Sr. Section Engineer

Electric Production Quality

Dy CEE(P)/RCF/RBL

उप मुख्य विद्युत अभियन्ता (उत्पादन)

रेल कोच फैक्टरी-रायबरेली, उत्तरप्रदेश

