

LSCM-195

Modern Coach Factory Raebareli
आधुनिक रेल डिब्बा कारखाना, रायबरेली

DOC NO.: MCF/RBL/QMF 8002

REV NO: 00

DATE:

ROLLING STOCK CERTIFICATE

Rolling Stock Certificate No.: MCF/RBL/QC/RSC/2016-17/ 326

Coach No.	1	6	2	7	9	/	C	-	DATE OF DISPATCH	2	8	1	2	2	0	1	6
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RLY	C	R	-	Type	L	W	S	C	N	Shell No.	6	7	1	0	0	-	2	0	1	6	-	1	7
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- Railway Board's Order No. : 2016/M(C)/142/1 Dated- 18.05.2016
- 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 +/-15	1)1100 (NPPE) 2)1099 (PPE)

5. TRACEABILITY OF SHELL ITEMS:

S NO	ITEM	MAKE/SUPPLIER	SERIAL NO				
			PP END	67100	NPP END	67100	
1.	Underframe	Front Part	M/s E.C.Blade & Tool Chandigarh				
		Complete	M/s-MCF/RBL	RH	67100	LH	67100
2.	Side wall	M/s-MCF/RBL	PP END	67100	NPP END	67100	
3.	End wall	PP- M/s Rail Tech, KXH					
		NPP- M/s Rail Tech, KXH					
4.	Roof	M/s-MCF/RBL	PP END	6071	NPP END	6118	
5.	Centre Buffer Coupler	M/s ESCORTS					
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 06 Sec. 	Brake must apply	OK

7. PAINTING DAETAILS:

S NO	DESCRIPTION	TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE
1.	Paint	P.U	BERGER	93/90
2.	Insulation		Satisfactory	

वरिष्ठ अधिकारी
SSE/QC/MCF/RBL
गुणवत्ता विभाग
रोडि०का०, रायबरेली (उ०प्र०)

195

	MODERN COACH FACTORY, RAEBARELI आधुनिक रेल डिब्बा कारखाना, रायबरेली	DOC NO.: MCF/RBL/QMF 8002
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8. DETAIL OF BOGIES :

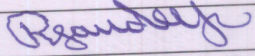
ITEMS	PP Side				NPP Side			
	Bogie No	160590				160589		
Bogie Type	FIAT				FIAT			
Frame no.	RBL -268				VS/RBL-20			
Bolster no.	MCF/RBL-771				MCF/RBL-683			
Axle No	S-3870 RWF		S-3696 RWF		S-3161 RWF		S-3234 RWF	
Wheel Dia	917.148	917.226	917.157	917.257	917.239	917.210	917.343	917.269
Wheel Disc No	00245-6MG5 05-16	03662-6QK2 05-16	08466-6QH4 06-16	08467-6QH4 06-16	02955-6QH9 05-16	00246-6MG5 05-16	08474-6QH4 06-16	00518-6MG8 05-16
R.B. Nos.	02-16 01192	02-16 01188	02-16 00817	02-16 01187	02-16 00752	02-16 00845	02-16 01037	02-16 00975
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.	CMFSK09-16-5101-212-42	CMFSK09-16-5100-192-7	CMFSK09-16-5101-212-7	CMFSK09-16-5100-192-56	CMFSK09-16-5101-212-28	CMFSK9-16-5100-192-75	CMFSK09-16-5101-212-12	CMFSK09-16-5100-192-25
Compressed Ht. at Tested Load	516	469	514.5	469	513	467.5	512.5	468
Alignment deviation (mm)	10	10	8	10	10	9	10	7

10. TRACEABILITY OF BOGIE ITEMS:

S. NO	ITEM	MAKE/SUPPLIER	SERIAL NO.	
			PP SIDE	NPP SIDE
1.	Primary outer Spring	G	G16-5	G16-5
2.	Primary Inner Spring	G	G16-6A, G16-6	G16-6
3.	Primary Damper	KONI	05-2016(32212,32209,32255,32252)	05-2016(32253,32279,32219,32208)
4.	Secondary Damper	GEREP	KW24-2016 301550739	KW24-2016 301550739
5.	Lateral Damper	KONI/KNOOR	21-2016 5017	04-2016 0305
6.	Brake Cylinder	FAV	H16(110,231,249,144)	H16(111,250,248,106)
7.	Brake Caliper	FAV	H16(600,598,597,599)B	H16(610,609,611,612)B
8.	Brake Disc	FAV	08-16(3371,3558,3556,3554) D 133561-300	08-16(3330,3395,3435,3432)D 133561-300
9.	Ball Joint Control Arm	SGA		
10.	Lateral Bump Stop	MGN		
11.	Traction Centre make	SARITA		
12.	Traction lever make	J112-15		
13.	Ball joint traction lever	S.BLOC		
14.	Ball joint traction centre	SGA		
15.	Secondary Rubber Pad	TECSPA K		
16.	Rubber Spring	GMT		
17.	Anti roll bar make	EMSON		
18.	Roll Link make	SARITA/SGA		
19.	Fork make	SARITA		


 Signature of SSE/Bogie/QC



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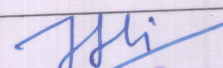
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11. TRACEABILITY OF FURNISHING ITEMS:

S NO	ITEM	MAKE/SUPPLIER	SERIAL NO
1.	Air Brake Module	M/s Faveley Transport India Kathe Bhatoli, Baddi, Distt:- solan (HP)	H16022B
2.	Pull box	M/s Faveley Transport India Kathe Bhatoli, Baddi, Distt:- solan (HP)	
3.	DV	M/s Faveley Transport India Kathe Bhatoli, Baddi, Distt:- solan (HP)	16085530B
4.	PVC	M/s Premier polyfilm, New Delhi	
5.	UIC Vestibule (PPE)	M/s Sun crest Industries West Bengal	
6.	UIC Vestibule (NPPE)	M/s Sun crest Industries West Bengal	
7.	Foot Step	M/s Hi-tech Infra RBL	
8.	Lavatory Inlay	M/s Oasis Fabrication 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 Composites, Kolkata	
12.	Hopper Window	M/s Aikon Technologies Pvt. Ltd. Solan	
13.	Non-AC Area Ceiling	M/s Gandhi Safe & Allied, Jalandhar	
14.	Body Side Doors	M/s JBM, Faridabad/Sukata, CDH	
15.	Vestibule Door(PPE)	M/s Kalsi LDH	
16.	Vestibule Door(NPPE)	M/s Kalsi LDH	
17.	Bio Tank	M/s Rail Tech, KXH	
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 (1X450L)	M/s Shivalik Fasteners, Mohali Punjab	
21.	Bib Cock/Controlled Discharge Tap	M/s KPR Industries, Mohali	
22.	Lavatory Doors	N/A	
23.	Seat & Berth	M/s Oriental veneer Products Ltd Mumbai	
24.	Snack Table	M/s Gandhi Enterprises, Jalandhar	


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 गुणवत्ता विभाग

रेडि०का०, रायबरेली (बालगंज)



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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	REFERENCE & PERIOD OF TRIAL
			Frequency	

15. WARRANTY:

S NO	COMPONENTS	WARRANTY
1	Brake blocks, wheels, push gravity cocks, flushing valves, moldings, 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 qualityrcfrbl@gmail.com

वरिष्ठ अभियंता SSE/QC/MCF/RBL गुणवत्ता विभाग रेडिंकॉ, रायबरेली (लालगंज)	जी.ए.एस. पाण्डेय AME/QC/MCF/RBL सहायक यांत्रिक अभियंता/गुणवत्ता Assistant Mechanical Engineer/Quality आधुनिक रेल डिब्बा कारखाना, रायबरेली Modern Coach Factory, Raebareli	डी.एम.ए.ए. DY CME/FURNISHING रेल कोच फैक्ट्री / रायबरेली / लालगंज RCF / RBL / LLJ

scn-195



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



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VER. 01.06.2016
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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	16279/C
RAILWAY	CR	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	

D. Kumar

Senior Section Engineer
Quality control / Electrical
Modern Coach Factory Raebareli



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MCF/RBL/QEFSCN- 8001
VER. 01.06.2016
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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 :2016/07/025 HT panel Sr no :2016/07/034	EDTS 333, Rev`01'Am-1	01
02.	Pump equipment with PLC controller& pump box Make: KALSI Sr no PA:5519/07/16 Sr no.1:269295/07/2016 Sr no.2: 269296/07/2016 Srno.CPA:5489/07/2016	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 indication light (PACIL).	As per drg no. LW 76005,Alt -e 02 nos	
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

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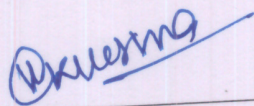


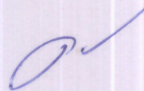
MCF/RBL/QEFSCN- 8001
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FOR ELECTRICAL ITEMS

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 :NEC	LW 71001,Alt-F	01
15.	Battery fuse box -ve Make :INTEG	LW 71002,Alt-F	01
16.	Regulated battery charger Make :AAL Sr no:061610232	As per RDSO/pe/spec/ac/0129, Rev.-1 (2009)	01
17.	9KVA transformer Make :PANTRONICS Sr no :15015638	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 :NEC	EDTS-328 REV-C	02
20.	Wheel set earthling equipment. Make :MAA LAXMI INDUSTRIES	EDTS101,REV-C,AM-1	02
21.	Wheel Slide Protection System (WSP) Make: FAIVELEY Sr no :33/16/464	M/s : FAIVELEY	01 set
22.	110V,120AH,VRLA SMF BATTERY SET WITH 19 MONOBLOCK (6V EACH) PRECHARGED,WIH MODIFIED TRAY TOSKED-644 Make :AMAR RAJA Lug date :12/2016	RDSO/pe/spec/ac-0009 rev-1-2008 amdt-1	01 set
23.	Battery box for LHB coaches.	CC 91205	01


SSE/EL/QC


Dy CEE(P)/MCF/RBL

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विद्युत उत्पादन-गुणवत्ता
रेल कोच फैक्टरी / लालगंज / रायवरेली
Senior Engineer

उप मुख्य विद्युत अभियन्ता (उत्पादन)
रेल कोच फैक्टरी-रायवरेली, लालगंज
DY.CEE/P-RCF/RBL/LJ