



Modern Coach Factory Raebareli

आधुनिक रेल डिब्बा कारखाना, रायबरेली

DOC NO.: MCF/RBL/QMF 8002

REV NO: 00

DATE: 16.05.2016

ROLLING STOCK CERTIFICATERolling Stock Certificate No.: MCF/RBL/QC/RSC/2017-18/ 144
(ANTYODAYA)

Coach No.		1	6	4	0	6	/	C	DATE OF DISPATCH				1	8	-	0	7	-	1	7			
RLY	E	C	R	Type	L	W	S	-	-	Shell No.	6	6	0	3	1	-	2	0	1	7	-	1	8

- Railway Board's Order No. : 2016/M(C)/142/1, Dated 29.07.2016
- 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)1096 (NPPE) 2)1100 (PPE)

5. TRACEABILITY OF SHELL ITEMS:

S NO	ITEM	MAKE/SUPPLIER	SERIAL NO
1.	Underframe	Front Part M/s Rail tech pvt.ltd. KXH	PP END 92 NPP END 93
		Complete M/s-MCF/RBL	
2.	Side wall	M/s-MCF/RBL	RH 66031 LH 66031
3.	End wall	PP M/S Neera chandigarh	PP END 66031 NPP END 66031
		NPP M/S Neera chandigarh	
4.	Roof	M/s-MCF/RBL	
5.	Centre Buffer Coupler	M/s Escort Pvt. Ltd. Faridabad	PP END 6688 NPP END 6674
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	8 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 VIBGYOR	92/90
2.	Insulation			

SSB/QC/MCF/RBL

रूपायता विभाग
रेडिओ कारखाना (रायबरेली)



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8. DETAIL OF BOGIES:

ITEMS	PP Side				NPP Side			
Bogie No	170330				170329			
Bogie Type	FIAT				FIAT			
Frame no.	SCI -851				SCI -849			
Bolster no.	RBL/LS-5-0181				MCF/ RBL/LS-5-0119			
Axle No	R-2817		V-2481		V-2301		V-1448	
Wheel Dia	917.601	917.566	917.553	917.513	917.557	917.537	917.560	917.543
Wheel Disc No	00127-6191 08-16	00118-6216 08-16	00134-7249 09-16	00030-7321 10-16	00027-6226 09-16	00186-6200 09-16	00133-7249 09-16	00161-6186 09-16
R.B. Nos.	01-17 00100	01-17 01042	01-17 00392	01-17 00298	01-17 00067	01-17 01184	01-17 00964	01-17 00812
CT R B Make	TIMKEN		TIMKEN		TIMKEN		TIMKEN	

9. SECONDARY SUSPENSION

DESCRIPTION	Bogie PP side		Bogie NPP side	
	Secondary 1	Secondary 2	Secondary 1	Secondary 2
Make & Nos.	AVADH RAIL INFA LTD 02-17-470	AVADH RAIL INFA LTD 02-17-437	AVADH RAIL INFA LTD 02-17-467	AVADH RAIL INFA LTD 02-17-425

10. TRACEABILITY OF BOGIE ITEMS:

S. NO	ITEM	MAKE/ SUPPLIER	SERIAL NO.	
			PP SIDE	NPP SIDE
1.	Primary outer Spring	CMFSK	01-17-1100-233(633,567,452,408)	01-17-1100-233(365,46,631,648)
2.	Primary Inner Spring	CMFSK	01-17-1101-232(734,690,868,702)	01-17-1101-232(208,775,529,561)
3.	Primary Damper	KNORR	07-16(2659,2521,2571,2469)	02-17(5088,5102,5251,5247)
4.	Secondary Damper	GABRIEL/GREEP	03-17(091,092)	KW 13-2016 301550739
5.	Lateral Damper	GREEP	KW 17-2017 301550559	KW 17-2017 301550559
6.	Brake Cylinder	FAV	A-17-071,A-17-006,A-17-102,M-16-369	M16-349,A-17-140,A-17-138,A17-351
7.	Brake Caliper	FAV	17176B,17178B,17177B,17175B	A17106B,A17107B,A17108B,A17105B
8.	Brake Disc	FAV	D-133561-300-02-17-557, D-133561-300-02-17-554, D-133561-300-02-17-453, D-133561-300-02-17-699	D-133561-300-02-17-452, D-133561-300-02-17-701, D-133561-300-02-17-552, D-133561-300-02-17-553
9.	Ball Joint Control Arm	GMT		
10.	Lateral Bump Stop	MGN/GMT		
11.	Traction Centre make	EMSON/SARITA		
12.	Traction lever make	JI		
13.	Ball joint traction lever	S/BLOC		
14.	Ball joint traction centre	SGA/GMT		
15.	Leveling Valve	KNORR	01-17(5911,5902)	01-17(6026,6074)
16.	Check Valve	KNORR	01-17 9673	01-17 9694
17.	Anti roll bar make	EMSON		
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)	M16049B
2.	Pull box	M/s Faively transport tech.india ltd baddi(HP)	
3.	DV	M/s Faively transport tech.india ltd baddi(HP)	16115564B
4.	FIBA	M/s Faively transport tech.india ltd baddi(HP)	PP END NPP END
5.	PVC	M/s Responsive ind.mumbai	
6.	Foot Step	M/s Super spark pvt.ltd.faridabad	
7.	Decoupling arrangement	M/s Kohinoor Industries, Faridabad	
8.	Lavatory Inlay	N/A	
9.	Body Side Window	M/s Hindustan Fiber Glass works Ltd. Vadodara	
10.	Emergency Window	M/s Hindustan Fiber Glass works Ltd. Vadodara	
11.	Hopper Window	M/s Shatabdi Safety glass, Vadodara	
12.	Body Side Doors 1,3,6	M/s JBM, Faridabad	
13.	Body Side Doors 2,4,5	M/s Sukata CDG	
14.	Bio Tank	M/s Rasandik ltd hariyana	
15.	Overhead Water Tank(4X390L)	M/s Rail Fab. KXH	
16.	Bib Cock/Controlled Discharge Tap	M/s Jaguar Pvt. Ltd. Alwar	
17.	Lavatory Module	M/s Hindustan Fiber Ltd. Vadodara	
18.	Lavatory Doors	M/s Hindustan Fiber Ltd. Vadodara	
19.	Water purifier	M/s Parag Polymer, Lucknow	
20.	Seat & Berth	M/s Hindustan Fiber Glass works Ltd. Vadodara	

[Signature]
SSE/QC/MCF/RBL

रायबरेली विभाग
रेल डिब्बा कारखाना, रायबरेली (ला.)





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12. MODIFICATION (IF ANY) : Water purified fitted as per RDSO RDSO/Spec/ 2015/CG-04

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 blocks, 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

SSE/QC/MCF/RBL गुणवत्ता विभाग रेडि0का0, रायबरेली (लाल)	AME/QC/MCF/RBL सहायक सांख्यिक अभियंता गुणवत्ता Assistant Mechanical Engineer/Quality आधुनिक रेल डिब्बा कारखाना, रायबरेली Modern Coach Factory, Raebareli	Dy. COM/MCF/RBL अधीनस्थ गुणवत्ता प्रबन्धक 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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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	16406/C	TYPE COACH	LWS
RAILWAY	ECR	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
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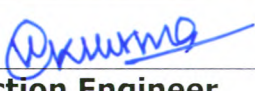
DATE: 18.01.2017

FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF LHB/EOG NON AC GS COACHES

PAGE 2 OF 3

01.	Switch board cabinet Make : ISG On Board Sr no : 17.05.0176 HT Panel Sr no : 17.05.0170	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 : DR 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 : R KANWAR	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 : DR AUTO	LW 76033,Alt`c,	04
08.	Fitment of Fluorescent light fitting, SINGLE with 110V AC/DC ballast. Make : DR AUTO	CC 76213,Alt`d`.	26
09.	Fitment of Compact Fluorescent Light fitting DOUBLE with 110V AC/DC ballast. Make : DR AUTO	CC 76216, Alt `c`.	02


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FOR ELECTRICAL ITEMS

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 : NEC	LW 71001,Alt-F	01
12.	Battery fuse box -ve Make : INDO	LW 71002,Alt-F	01
13.	Regulated battery charger Make : AAL Sr no: 061702398	As per RDSO/pe/spec/ac/0129, Rev.-1 (2009)	01
14.	9KVA transformer Make : PANTRONICS Sr no : 16015774	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 : AECO	EDTS-328 REV-C	01 set
17.	Wheel set earthling equipment. Make : MAA LAXMI INDUSTRIES	EDTS101,REV-C,AM-1	02 sets
18.	Wheel Slide Protection System (WSP) Make : FAIVELEY Sr no : 50/16/948	M/s : FAIVELEY	01 set
19.	110V,120AH,VRLA SMF BATTERY SET WITH 19 MONOBLOCK (6V EACH) PRECHARGED,WIH MODIFIED TRAY TOSKED-644 Make : SOUTHERN Lug date : 05/15	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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वरिष्ठ अनुभाग अभियन्ता
गुणवत्ता नियंत्रण
आपरेटिंग/लालगंज/रायबरेली
S.S.E./Elect-QCM.C.F./LLJ/RBL

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

