



Modern Coach Factory Raebareli  
आधुनिक रेल डिब्बा कारखाना, रायबरेली

DOC NO.: MCF/RBL/QMF 8002  
REV NO: 01  
DATE: 17.04.2018

ROLLING STOCK CERTIFICATE

Rolling Stock Certificate No.: MCF/RBL/QC/RSC/2020-21/484

RLY	CR	COACH NO	204801/C	DATE OF DISPATCH	15-Sep-20
Type	LWACCW	Shell No.	20B015	DISPATCH TO	SSE/C&W/WB/BB
				FUR.NO.	L2T(T)-152

1. Railway Board's Order No. : 2020/M(C)/142/2, DATED-24.06.2020
2. Tare Weight of Coach : 44.5 Tonnes
3. Carrying Capacity : (a) Seating: 52 (b) Sleeping: 52 (c) Luggage: NIL

4. Special feature:

A	Due to fitment of L3T roof in L2T shell, more space available in transverse side
B	Extend linen room to accommodate the space NPP end (width 270 mm)
C	Height (from floor level to ceiling) raised from 2250 mm to 2510 mm.
C1	Gap extend between transverse side upper berth and ceiling from 830mm to 894mm.
C2	Gap extend between transverse side lower berth and upper berth from 920mm to 1065mm.
C3	Gap extend between transverse side floor level to lower berth from 420mm to 465mm.
D	Provision of sliding cum sleeping berth. (MAKE- M/S- ANANYA RCC LLJ )
E	Choke of 5/6 mm in DV side replace with 9 mm in both type (KBI & Faiv.) letter no. MC/LHB/Brake, DT. 27.09.18

5. 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	4250
4	CBC height/Buffer height from Rail level 1105 +0/-10	NPP /PP 1105/1099

6. TRACEABILITY OF SHELL ITEMS:

S NO	ITEM	MAKE/SUPPLIER	SERIAL NO
1	Under frame	PP END M/S-AMIT ENGG.	118
	Part	NPP END M/S-AMIT ENGG.	119
	Complete	MCFRBL-V4U TECHIE	20B015
2	Lav. side wall	MCFRBL LAV.1	LAV.2
		MCFRBL LAV.3	LAV.4
3	Side wall	LH SIDE MCFRBL-V4U-LKO	11
		RH SIDE MCFRBL-V4U-LKO	11
4	End wall	PP END MCFRBL	
		NPP END MCFRBL-PUSKAR	
5	Roof	MCFRBL-CONT.	189
6	Centre Buffer Coupler	M/S-SANROK PP	16047 NPP 16033

7. AIR BRAKE 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 <sup>2</sup> .	6 – 10 sec.	08 sec
		Max. pressure in BC	3.0 ±0.15 kg/cm <sup>2</sup> .	3.0 kg/cm <sup>2</sup>
		All Brake are applied	OK	OK
2	Insensitivity	Exhaust BP @ 0.3 kg/cm <sup>2</sup> /min.	No brake application	OK
3	Sensitivity	Exhaust BP @ 0.1 kg/cm <sup>2</sup> /Sec, after 06 Sec.	Brake must apply	OK

8. PAINTING DETAILS:

S NO	DESCRIPTION	TYPE OF PAINT	MAKE	APPLICATION BY MCF/ CONTRACTOR (SUPPLY & APPLY)	AVERAGE GLOSS VALUE	DATE OF COMPLETION
1	Paint	P.U	VIBGYOR	M/S-VIBGYOR (S&A)	91/90	19-Aug-20
2	Insulation			Satisfactory		

SSE/QC/MCF/RBL

वरि०अनु० अभियंता  
गुणवत्ता विभाग  
रे०डि०का०, रायबरेली (जालगंज)





MODERN COACH FACTORY, RAEBARELI

आधुनिक रेल डिब्बा कारखाना, रायबरेली

DOC NO.: MCF/RBL/QMF 8002

REV NO.: 01

DATE: 16.05.2016

**ROLLING STOCK CERTIFICATE**

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RLY	C	R	-	Coach No.	2	0	4	8	0	1	/	C	-	DATE OF DISPATCH	1	5	0	9	2	0	2	0
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DISPATCH	SSE/C&W/WB/BB	Type	L	W	A	C	C	W	Shell No.	2	0	B	0	1	5	FUR .NO	L2T-T-152
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**9. DETAIL OF BOGIES:**

ITEMS	NPP Side				PP Side			
Bogie No	200963				200964			
Bogie Type	FIAT				FIAT			
Frame no.	V.S - 2016				MCF/RBL - 2392			
Bolster no.	AMIT - 184				MCF/RBL - 2746			
Axle No	20 Z - 1664 RWF		20 Z - 1034 RWF		20 Y - 8524 RWF		20 Z - 1108 RWF	
Wheel Dia	917.498	917.596	917.444	917.607	917.494	917.593	917.411	917.563
Wheel Disc No	TZ 04-19 40643-90E7	TZ 08-19 75105-9SK1	TZ 08-19 75103-9SK1	TZ 07-19 65841-9RQ0	TZ 04-19 40646-90D6	TZ 04-19 40645-90D6	TZ 04-19 39638-90G3	TZ 08-18 75106-9SJ7
R.B. Nos.	12-19 35658	11-19 32082	12-19 34652	12-19 35922	12-19 35652	11-19 32334	12-19 34554	11-19 33911
CT R B Make	TIMKEN		TIMKEN		TIMKEN		TIMKEN	

**10. SECONDARY SUSPENSION LOAD DEFLECTION VALUES :-**

DESCRIPTION	Bogie NPP side				Bogie PP side			
	Secondary 1		Secondary 2		Secondary 1		Secondary 2	
	Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner
Make & Nos.	CMRSK 06-16 F18-L53-18W-153	CMAFI 04-19 9513-186	CMRSK 06-16 F18-L53-18W-152	CMAFI 04-19 9513-42	CMAFI 12-19 9514-11	CMAFI 04-19 9513-21	CMAFI 12-19 9514-16	CMAFI 04-19 9513-23
Compressed Ht. at Tested Load	511	467	511	467	508	467	508	468
Alignment deviation (mm)	09	10	09	10	14	15	15	14

**11. TRACEABILITY OF BOGIE ITEMS :-**

S. NO	ITEM	MAKE/SUPPLIER	SERIAL NO.	
			NPP SIDE	PP SIDE
1.	Yaw Damper	IAI	294505,294487	294306,294513
2.	Primary outer Spring	CMRSK	08-18 F03-S30-03Y-(6006,657),08-18 F03-S29-03Y-(6270,259)	12-19 F03-S49-03Y-(34,563,1037,1041)
3.	Primary Inner Spring	CMRSK	05-14 F02-R91-2123-1702,05-14 F02-R92-(2443,2218)-1702,05-14 F02-R90-02Y-5146	05-14 F02-R91-(2620,962)-1702,05-14 F02-R90-(2251,2120)-1702
4.	Primary Damper	IAI	02-20 (310249,309676,321473,310083)	02-20 (309478,309007,310484,309422)
5.	Secondary Damper	IAI	01-20 (295229,295387)	01-20 (295116,295146)
6.	Lateral Damper	KONI	03-19 01471	03-19 01375
7.	Brake Cylinder	KBI	C(9729,8418,8412,9734)-K-29	C(9874,8522,3013,8238)-K-29
8.	Brake Caliper	KBI	C(5317,5531,5530,5319)-29	C(5441,5632,0697,4191)-29
9.	Brake Disc	FAV	03-20 D133561-300-(126,127,125,8991)	03-20 D133561-300-(8982,8981,620,128)
10.	Ball Joint Control Arm	ARYAN+PRAG+GMT		
11.	Lateral Bump Stop	GMT		
12.	Traction Centre make	SF		
13.	Traction lever make	JI		
14.	Ball joint traction lever	GMT		
15.	Ball joint traction centre	GMT		
16.	Secondary Rubber Pad	PRAG		
17.	Rubber Spring	GMT		
18.	Anti roll bar Make	RF/EMSON		
19.	Roll Link make	RF+GMT/RF+ARYAN		
20.	Fork make	RNG		
21.	Control Arm Upper	IRPL+SF+KUMAR	IRPL-1277122,SF-449,582,KUMAR-C9600	SG-129,SF-440,882,KUMAR-D9608
22.	Control Arm Lower	IRPL+KUMAR+SF	156771,SG-519,KUMAR-D1980,SF-549	CC-20A108,19M449,SF-299,SG-6129
23.	Phonic Wheel	KBI	K-07-20	K-07-20

Note:-





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				FUR.NO.	L2T(T)-152

12. TRACEABILITY OF FURNISHING ITEMS:

S NO	ITEM	MAKE/SUPPLIER	SERIAL NO(NPP/PP)
1	Air Brake Module	M/S-KBI	4789 03/20
2	Distribution valve	M/S-KBI	2020A10214
3	Pull box	M/S-KBI	
4	FIBA	NIL	
5	Foot Step	M/S-FEBRICON KOLKATA	
6	Decoupling arrangement	M/S-ELASTOMER MUMBAI	
7	Floor board	M/S-GREEN PLY GUJRAT	
8	PVC	M/S-PRIMER POLY FILM GZB	
9	UIC Vestibule (PPE)	M/S-ELASTOMER MUMBAI	
10	UIC Vestibule (NPPE)	M/S-ELASTOMER MUMBAI	
11	Gangway bridge mounting (PPE)	M/s- MMW KXH	
12	Gangway bridge mounting (NPPE)	M/s- MMW KXH	
13	Body Side Window	M/S- BIRCON ENGG GZB	
14	Emergency Window	M/S- BIRCON ENGG GZB	
15	Lavatory/hopper Window	M/S- BIRCON ENGG GZB	
16	Roof Ceiling	M/S-MSL MOHALI	
17	Door way /gang way ceiling	M/s- RADISH TECH ALIGERH	
18	Supply Air Duct	M/s- HANSPAL TRADERS KXH	
19	Partition panel	M/S-UNIVERSAL NOIDA	
20	Partition pillar	M/S-NAGINA ENGG	
21	Side Wall panel	M/S- CMT VADODARA	
22	AC Trough	M/S-MEENA FIBRE GLASS (PP),MSL(NPP)	
23	Body Side Doors	M/S-JVR LDH	
24	Compartment Door (PPE)	M/S-HANSPAL TRADERS KXH	
25	Compartment Door (NPPE)	M/S-HANSPAL TRADERS KXH	
26	Vestibule Door(PPE)	M/S- JBM FARIDABAD	
27	Vestibule Door(NPPE)	M/S- JBM FARIDABAD	
28	RMPU	M/S-AMIT ENGG SOLAN	
29	Bio Tank	M/S-RAIL FAB KXH	
30	Pressurized flushing (ele. Pneu.)	M/S-SPAC	
31	Auxiliary Water Tank	M/S-OASIS	
32	Under Slung Water Tank ( 2X685L)	M/S-OASIS	
33	Under Slung Water Tank (1x450 L)	M/S-AMIT ENGG BADDI	
34	Health Faucet	M/S-HF VADODARA	
35	Lotah Filler Tap	M/S-HF VADODARA	
36	Bib cock	M/S-JAQUAR ALWAR	
37	Lavatory Modules	M/S-HF VADODARA	
38	Lavatory Doors	M/S-HF VADODARA	
39	Fire Extinguisher	M/S-SAFTEY PLUS	232/219
40	Automatic smoke & heat Detection with alarm System	NIL	
41	Seat & Berth	M/S- ANANYA RCC LUJ	
42	Light Luggage Rack	M/S-TECHNO ALD	
43	Snack Table	M/S-DLJM NOIDA	
44	Ventury grill	M/S-HF VADODARA	
45	RFID	NIL	

*Reema*  
23/4/2020  
SSE/QC/MCF/RBL

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गुणवत्ता विभाग  
रेल डिब्बा कारखाना, रायबरेली (लालगंज)





# Modern Coach Factory Raebareilly आधुनिक रेल डिब्बा कारखाना, रायबरेली

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RLY	CR	COACH NO	204801/C	DATE OF DISPATCH	15-Sep-20
Type	LWACCW	Shell No.	20B015	DISPATCH TO	SSE/C&W/WB/BB
				FUR.NO.	L2T(T)-152

13. MODIFICATION (IF ANY) : NIL

14. DEVIATION (IF ANY) : NIL

15. ITEM FITTED ON THE COACH ON TRIAL : NIL

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

### 16. WARRANTY:

S NO	COMPONENTS	WARRANTY
1	Brake Pad, wheels, flushing valves, push gravity cocks, moldings, window glasses, mirrors, curtain clutch wire etc. ( items which are consumable in nature)	NIL
2	Other coach furnishing sub assemblies(bought out items)	24 months from the date of dispatch of coach OR 30months from the 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
6. Painting on supply & apply contract :- supply of material and application shall be warranted for a period of three years from

Application for any manufacturing /Application as per clause -4, para- V of RDSO specification no .M&C/PCN/100/2013-Given below

S.No	Time period	Gloss Retention (initial gloss >85 unit at 60°)	Colour Retention rating on 0-10 scale (initial rating of painted panels/coach or ISC/RAL shade card shall be taken as 10)	Adherence of paints (with each other and with substrate ) Cross-cut tape adhesion test as per ASTM D:3359/97(or latest)
1	After 1 year	80% of initial gloss	7	5B
2	After 2 year	70% of initial gloss	6	5B
3	After 3 year	60% of initial gloss	5	4B

If any imperfection is noticed or any defect arises during the warranty –period due to improper material used or due to bad workmanship, the contractor shall be bounded to set right the defect/ imperfection on free of cost basis at the base depot of the coach.

SSE/QC/MCF/RBL	SME/AME/QC/MCF/RBL	Dy.CQM/MCF/RBL

वरिष्ठ अनुष्ठानिक अभियंता  
गुणवत्ता विभाग  
रेडिओ, रायबरेली (नालगंज)

सहायक यांत्रिक इंजीनियर  
Asst. Mechanical Engineer  
आ. रे. डि. का. रायबरेली  
MCF, RBL



Modern Coach Factory Raebareli  
आधुनिक रेल डिब्बा कारखाना,  
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## FOR ELECTRICAL ITEMS

## ROLLING STOCK CERTIFICATE OF LHB EOG 2T COACH.

## ELECTRICAL TEST CERTIFICATE FOR LHB EOG 2T COACH.

TYPE COACH		LWACCW		SHELL/COACH NO		204801/C					
RAILWAY		CR		ELECT. FIT DATE		12-09-2020		MCF FUR. NO.		2T-T-152	
Sr. no.	Description of tests									Remarks	
1.0	REFERENCE SPECIFICATION : L 446										
1.1	AIR CONDITIONING TEST : ELPS/TP/AC 01.										
2.0	INSULATION RESISTANCE : Setting of insulation monitoring relay at 30K ohms as per TD 111 of M/s LHB.										
	Observed status : HEALTHY										
3.0	AIR DELIVERY MEASUREMENT				OBSERVED VALUE				OK		
3.1	Fresh Air				28.80 Cub mtr/min				OK		
3.2	Return Air				65.87 Cub mtr/min				OK		
3.3	Exhaust Air				5.08 Cub mtr/min				OK		
3.4	Conditioned Air				172.10 Cub mtr/min				OK		
4.0	PRE COOLING TEST: Max 01 hr. Time taken to pre cool from 45 deg centigrade to 24/22 deg C during OFF LOAD condition  PP Side :21.2°C                      NPP Side :20.8°C									OK	
5.0	PULL DOWN TEST: Max 02 hrs. Time taken to pull down from 45 deg C to 24/22 deg C during FULL LOAD condition.  NOT DONE.									----	

Senior Section Engineer  
Quality control / Electrical  
Modern Coach Factory Raebareli







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## FOR ELECTRICAL ITEMS

## ROLLING STOCK CERTIFICATE OF LHB EOG 2T COACH.

ELECTRICAL TEST CERTIFICATE FOR LHB EOG 2T COACH.		
Sr. no.	Description of test	Remarks
6.0	HUMIDITY CONTROL	OK
7.0	PUMP EQUIPMENTS	OK
8.0	WORKING OF EXHAUST FANS OVER LAVATORIES	OK
9.0	WORKING OF BERTH READING LIGHTS	OK
10.0	WORKING OF COMPARTMENT LIGHTS	OK
11.0	WORKING OF MOBILE CHARGING SOCKETS	OK
12.0	WORKING OF PUBLIC ADDRESSING SYSTEM ( PAS )	OK
13.0	WORKING OF WHEEL SLIDE PROTECTION SYSTEM ( WSP )	OK
14.0	WORKING OF 60KVA TRANSFORMER	OK
15.0	WORKING OF 5 KVA TRANSFORMER	OK
16.0	WORKING OF REGULATED BATTERY CHARGER	OK
17.0	WORKING OF EMERGENCY BATTERY CHARGER	OK
18.0	WORKING OF COMPOSITE PANTRY(ONLY FOR RAJDHANI COACH)	N/A
19.0	SAFETY :	----
19.1	OHP :	OK
19.1	ROTARY 07 SET POINTS (NORMAL CONDITION)	OK
19.2	LP/HP GAUGE	OK
19.3	HYGROSTAT	OK
19.4	CONTROL CIRCUIT	OK
19.5	POWER CIRCUIT	OK
20.0	REFRIGERANT USED R 407C	OK

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**ROLLING STOCK CERTIFICATE OF LHB EOG 2T COACH.**

Sr. no.	Description	Drg/Spec no.	Quantity per Coach
01.	Roof Mounted AC package unit for LHB AC coaches Make : <b>AMIT ENGG</b> Sr no of RMPU 1 (NPP side ) <b>5276 G</b> Sr no of RMPU 2(PP side): <b>4083 I</b> Sr no of Microprocessor. : <b>AE-1911094 AMIT</b>	As per RDSO/PE/SPES/AC/0061/REV-1/2005	<b>01 Set</b>
02.	Switch board cabinet Make : <b>ISG</b> Sr no : <b>SBC-MCF-19-12-0110</b>	As per spec no. RDSO/PE/SPEC/AC/0184-2015(REV.0). <b>MEDTS-0004,Rev.-1 for Smart SBC</b>	<b>01 no.</b>
03.	Pump equipment with PLC controller & pump box Make: <b>KIND</b> PA Sr.no: <b>KIND/ASY/0164</b> Sr no.1: <b>20070417</b> Sr no.2 : <b>20070418</b> Sr.no.CPA/Make: <b>DR AUTO-2019/12/0369</b>	As per spec EDTS 186,Rev-a, Am- 2.  As per Spec. EDTS186, & drg no. CC71328 & LW70020 for P/CNTR.	<b>01 Set</b>
04.	Double inlet centrifugal blower 415V/03Ph /50Hz /120W/450 cu.mtr/hr discharge for exhausting air from lavatory & switch board cabinet Make : <b>EYYANI</b>	EDTS331, TYPE-1 CORR.-1&2	<b>02 no.</b>
05.	Provision of Passenger area LED Light(Cabin) Make: <b>DR AUTO</b>	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-L	<b>09 no.</b>
06.	Mounting of Passenger area light(Cabin/corridor)	As per drg no. LW 76090.	<b>OK</b>
07.	Provision of Cabin/Corridor Light with Night light. Make: <b>DR AUTO</b>	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-M	<b>09 no.</b>
08.	Mounting of Cabin/Corridor Light with Night light	As per drg no. LW 76091.	<b>OK</b>
09.	Provision & mounting of Doorway/Gangway light. Make: <b>DR AUTO</b>	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-N & Drg no. LW 76099	<b>07 no.</b>
10.	Provision & Mounting of PACIL Assly. Make: <b>KAVERI</b>	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-I Drg no. LW 76098.	<b>02 no.</b>
11.	Provision & Mounting of WC light. Make: <b>DR AUTO</b>	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-HI Drg no. LW 76097.	<b>02 no.</b>
12.	Provision & Mounting of Lavatory Light. Make: <b>K-LITE</b>	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-D & Drg no. LW 76092.	<b>04 no.</b>
13.	Provision of Emergency Lighting system Make: <b>INTEG</b>	As per RDSO/PE/Spec/AC/0180-2016(Rev-0),Type-2 or Latest.	<b>04 no.</b>

**Senior Section Engineer**  
**Quality control / Electrical**  
**Modern Coach Factory Raebareilly**



MCF/RBL





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**ROLLING STOCK CERTIFICATE OF LHB EOG 2T COACH.**

Sr. no.	Description	Drg/Spec no.	Quantity per Coach
14.	Provision of razor socket for WC for 110/240V. Make: <b>SSK</b>	. EDML047,ITEM-4	<b>04 no.</b>
15.	PA system for LHB coaches Make: <b>AHUJA</b>	EDTS 173,Rev- B,Cor-1	<b>01 Set</b>
16.	Provision of terminal strip complete	EDML 034,Rev-C,DRG NO.LW76054	<b>01 Set</b>
17.	Diffuser complete w/o item 1& 2.	LW 76012,Alt-a	<b>OK</b>
18.	Provision of switch plate assembly complete with polycarbonate cover frame and powder coated steel plate & 2 no. ON_ OFF switches 6A,250 V AC and 1 no. 5-pin socket 6A,250V AC with 1.0 Amp glass fuse. Make : <b>SSK</b>	As per spec EDML-064,REV- B,Am-1 alt 'c' Item-4 ,Drg. No. LW74202	<b>09 no.</b>
19.	Provision of switch plate assembly complete with polycarbonate cover frame and powder coated steel plate with 1 no. ON-OFF switches and 1 no. 5-pin socket 6A, 250 V AC 1 no. 1.0 Amp glass fuse. Make : <b>SSK</b>	As per spec EDML-064,REV- B,Am-1 alt 'c' Item 16,Drg. No. LW74202	<b>35 no.</b>
20.	Provision of switch plate assembly complete with polycarbonate cover frame and powder coated steel plate with 3 no. ON-OFF switches and 1 no. 5-pin socket 6A, 250 V AC 1 no. 1.0 Amp glass. Make : <b>SSK</b>	As per spec EDML-064,REV- B,Am-1 alt 'c' Item-5, Drg. No. LW74202	<b>09 no.</b>
21.	Provision & Mounting of reading light for upper berth Make : <b>DEVINTEC</b>	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-F2 & Drg no LW 76094	<b>26 no.</b>
22.	Provision & Mounting of reading light for transverse berth (RHS) Make: <b>IMT</b>	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-F3 & Drg no. LW 76095	<b>09 no.</b>
23.	Provision & Mounting of reading light for berth transverse ( LHS) Make: <b>IMT</b>	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-F4 & Drg no. LW 76096	<b>08 no.</b>
24.	Provision & Mounting of reading light for berth Longitudinal. Make: <b>RT VISION</b>	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-F1 & Drg no LW 76096	<b>09 no.</b>
25.	Provision of High Capacity Inter -Vehicular Coupler Unit (ZS Coupling) (500 A,750 V,3 ph,50 Hz). Make: 1.(NPP): <b>S.INTERNATIONALS</b> 2.(PP): <b>MAA LAXMI INDUSTRIES</b>	As per Spec. no. RDSO/PE/SPEC/AC/0177(Rev.- 0)-2013 with annexure-A, B.	<b>01 set</b>
26.	70AH/110V, 54 Cells, 02V each, maintenance free pure lead acid tin monoblock, battery set with 09 modules 12V each. , factory pre charged. Make : <b>AMARA RAJA</b> Lug date : 11/19	EDTS 129,Rev nil	<b>01 set</b>

**Senior Section Engineer**  
**Quality control / Electrical**  
**Modern Coach Factory Raebareli**







**Modern Coach Factory Raebareilly**  
**आधुनिक रेल डिब्बा कारखाना,**  
**रायबरेली**

DOC NO.: MCF/RBL/QEF/8001

REV NO: 01

DATE: 29.06.2020

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**ROLLING STOCK CERTIFICATE OF LHB EOG 2T COACH.**

Sr. no.	Description	Drg/Spec no.	Quantity per Coach
27.	Provision of Cable Jacket, Size 75, 50, 20 mtr.	As per spec no. EDTS 0138, Item 5,8,11	OK
28.	Provision of cable binder.	As per Drg. No. cc76129 ,Item 2.4.	OK
29.	Battery box for LHB coaches. Make: <b>HITECH</b>	As per drgno 1 10113 0 76 700 005,Alt C	01 no.
30.	Battery fuse box +ve Make : <b>RICHMOND</b>	LW 71001,Alt-H	01 no.
31.	Battery fuse box -ve Make : <b>RICHMOND</b>	LW 71002,Alt-I	01 no.
32.	Provision of Regulated Battery Charger Make: <b>ELECTRONIC</b> Sr. no.: <b>07200095</b>	As per spec no. RDSO/PE/SPEC/AC/0183-(REV.-0) . Or RDSO/PE/SPEC/AC/0183-2015(REV.-1)-For Under slung RBC cum EBC.	01 no.
33.	Emergency battery charger Make : N/A Sr.no.: N/A	EDTS163,REV-C,COR-2&3	N/A
34.	Provision of 5 KVA TFR Make: <b>WAVES</b> SL.no.: <b>WLDT 5 G 20970</b>	As Per EDTS-366,REV-NIL & CC-71510	01 no.
35.	Provision of capacitor Bank Make: <b>KONTACT</b> SL.no.: <b>KT-318</b>	As per EDML-130 Rev-1,Corr-1	01 no.
36.	60KVA transformer Make : <b>VIMAL</b> Sr no : <b>VTC R 3089 LHB-4191</b>	As per spec no.RDSO/PE/SPEC/AC/0080-2007 (REV-1)	01 no.
37.	Feeder junction boxes. Make : <b>MV ELECTROSYSTEM</b>	EDTS-328 REV-C	01 set
38.	Wheel set earthing equipment. Make : <b>DARSHAN ENTERPRISES</b>	EDTS101,REV-C,AM-1	01 set
39.	Wheel Slide Protection System (WSP) Make : <b>KNORR</b> Sr. no : <b>0119463389</b>	As per MDTS 077,Rev.-2 M/s"FAIVELEY" or "Knorr Bremse", or "ESCORTS"	01 set
40.	Provision of External supply Socket 125A/415V/IP67/5-Pole (3Ph+1N+1E) complete with pilot contacts. Make: <b>MV</b>	Cat no. 1948036/UIV4125-6 with RCF annexure-A - 02 nos	02
41.	PANTRY EQUIPMENTS(ONLY FOR <b>RAJDHANI COACH</b> ) : Hot Case, Bottle cooler cum deep freezer Make : N/A	As per spec no EDTS 139, Rev-E ,Sec II.	N/A

 <b>SSE/EL/QC</b> <b>वरिष्ठ अनुभाग अभियन्ता</b>	 <b>AWM(ELECT.)/MCF/RBL</b> <b>SEE(P)/MCF/RBL</b>
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गुणवत्ता नियंत्रण  
 आ०रे०डि०का० / लालगंज / रायबरेली  
 S.S.E./Elect-QC/M.C.F./LLJ/RBL

स० कार्य प्रबन्धक / विद्युत  
 आ०रे०डि०का० / रायबरेली  
 A.W.M./Electrical/MCF/RBL

