



Modern Coach Factory Raebareilly  
आधुनिक रेल डिब्बा कारखाना, रायबरेली

DOC NO.: MCF/RBL/QMF 8002

REV NO: 01

DATE: 03-03-2020

ROLLING STOCK CERTIFICATE

Rolling Stock Certificate No.: MCF/RBL/QC/RSC/2020-21/201

RLY	CR	COACH NO	204294/C	DATE OF DISPATCH	24-07-2020
Type	LWSCZAC	Shell No.	94032	DISPATCH TO	SSE/STOCK/CR/BB
				FUR.NO.	SCZAC-02

1. Railway Board's Order No.	:	2020/M(C)/142/2, DATED-24.06.2020
2. Tare Weight of Coach	:	40.28 Tonnes
3. Carrying Capacity	:	(a) Seating: 78 (b) Sleeping: NIL (c) Luggage: NIL

4. Special feature:

S NO	DESCRIPTION	MAKE/SUPPLIER
A	FRP ceiling used in non ac area	M/S-AMIRCHAND ENGG WORK JUC
B	Honey comb pantry partition	M/S-CMT MECHANISED SYSTEM PVT LT
C	Automatic smoke & heat Detection with alarm System	M/S-SANROK ENTERPRISES

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	4039
4	CBC height/Buffer height from Rail level 1105 +0/-10	NPP /PP 1105/1105

6. TRACEABILITY OF SHELL ITEMS:

S NO	ITEM	MAKE/SUPPLIER	SERIAL NO
1	Under frame	PP END M/S-MAHAVEER	16
	Part	NPP END M/S-MTF	591
	Complete	MCFRBL-V4U TECHIE	94032
2	Lav. side wall	M/S-RAIL TECH KXH	LAV.1
		M/S-RAIL TECH KXH	LAV.2
			LAV.3
			LAV.4
3	Side wall	LH SIDE MCF/RBL	02/01
		RH SIDE MCF/RBL	02/02
4	End wall	PP END M/S-OMAX REWARI	
		NPP END M/S-OMAX REWARI	
5	Roof	MCF/CONT	02
6	Centre Buffer Coupler	M/S-SANROK ENT	PP END 14133 NPP END 14137

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	MAKE	APPLICATION BY MCF/ CONTRACTOR	AVERAGE	DATE OF
		OF PAINT		(SUPPLY & APPLY)	GLOSS VALUE	COMPLETION
1	Paint	PU	GSI	M/S-G.S. INDUSTRIES	88/87	19.10.2019
2	Insulation			Satisfactory		

*Llama*  
SSE/QC/MCF/RBL  
वरिष्ठ अनुष्ठानिक अभियंता  
गुणयत्ता विभाग  
रेलवे डिब्बा कारखाना, रायबरेली (नामगंज)





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**

Rolling Stock Certificate No.: MCF/RBL/QC/RSC/2020-21/201

RLY	C	R	-	Coach No.	2	0	4	2	9	4	/	C	-	DATE OF DISPATCH	2	5	0	7	2	0	2	0
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DISPATCH	SSE/STOCK/CR/BB	Type	L	W	S	C	Z	AC	Shell No.	9	4	0	3	2	-	FUR.NO	SCZ AC-02
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**9. DETAIL OF BOGIES:**

ITEMS	NPP Side				PP Side			
Bogie No	200134				200133			
Bogie Type	FIAT				FIAT			
Frame no.	VS-2020				VS-2027			
Bolster no.	AMIT-39				AMIT-57			
Axle No	20 W - 9260 RWF		20 W - 7317 RWF		20 W - 2380 RWF		20 W - 9868 RWF	
Wheel Dia	917.249	917.068	917.267	917.561	917.21	917.091	917.271	917.098
Wheel Disc No	TZ-12-19 94405-9WM1	TZ-12-19 94338-9WM1	TZ-11-19 83183-9WG8	TZ-11-19 87896-9WI2	TZ-11-19 81119-9VE1	TZ-11-19 85145-9WI7	TZ-11-19 85158-9WI7	TZ-12-19 92656-9XH6
R.B. Nos.	11-19 33108	12-19 34272	11-19 33259	11-19 33432	11-19 33583	11-19 33735	11-19 33738	11-19 33749
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.	CMFSK12-19F18-150-21	CMFSK07-19-5048-008-199	CMFSK12-19F18-150-54	CMFSK07-19-5048-008	CMFSK12-19-F18-15065	CMAFJ01-19-9513-146	CMFSK12-19-F18-150-63	CMAFJ01-19-9513-147
Compressed Ht. at Tested Load	511	466	511	467	512	468	512	468
Alignment deviation (mm)	10	13	10	13	7	5	7	5

**11. TRACEABILITY 90F BOGIE ITEMS :-**

S. NO	ITEM	MAKE/SUPPLIER	SERIAL NO.	
			NPP SIDE	PP SIDE
1.	Yaw Damper	IAI	292539,292296	292340,292183
2.	Primary outer Spring	CMAFJ	05-19 7411--(127,108,128,140)	05-19 7411(131,62,242,139)
3.	Primary Inner Spring	CMFSK	05-19 F06-R55-- (1268-1433,4067,4206,4184) -1702	12-18 F02-R96 (4134,3811,4225,4154)1702
4.	Primary Damper	GABRIEL	01-20 (13521,13526,13518,13520)	01-20 (13498,13513,13491,13510)
5.	Secondary Damper	IAI	01-20 (295390,295142)	01-20 (295423,295227)
6.	Lateral Damper	KONI	03-2019 01724	03-2019 02185
7.	Brake Cylinder	ESCORT	54809,54380,54734,54815	54814,54735,54381,54808
8.	Brake Caliper	ESCORT	32661,32319,32588,32667	32666,32589,32320,32660
9.	Brake Disc	KBI	24226783 0046-01/20,24226782 0077-01/20 24226790 0040-26/20,24226790 0041-26/20	24226789 0043-26/20,24226790 0039-26/20 24226790 0057-26/20,24226791 0006-26/20
10.	Ball Joint Control Arm	GMT		
11.	Lateral Bump Stop	GMT		
12.	Traction Centre make	SF(SARITA)		
13.	Traction lever make	JJ		
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	SF(SARITA)		
19.	Roll Link make	JUR/GMT		
20.	Fork make	SF(SARITA)		
21.	Control Arm Upper	RVE/IRPL/SF	RVE-020518-1, IRPL2027A64,2027A54,SF-54	RVE-260919-2,151119-2,191119-2,SF-354
22.	Control Arm Lower	RVE/CC/SF	RVE-020918-2,CC-718G18,RVE,RVE	RVE-221119-2,CC-19M104,19L467,SF-1079
23.	Phonic Wheel	KBI	K 05-20	K 05-20





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				FUR.NO.	SCZAC-02

FURNISHED BY M/S-CMT MECHANISED SYSTEM PVT LTD VADODRA

12. TRACEABILITY OF FURNISHING ITEMS:

S NO	ITEM	MAKE/SUPPLIER	SERIAL NO(NPP/PP)
1	Air Brake Module/Brake Panel	M/S-ESCORT	2018120169
2	Distribution valve	M/S-ESCORT	1812A169
3	Pull box	M/S-KBI	
4	FIBA	NA	
5	Foot Step	M/S-CMT MECHANISED SYSTEM PVT LTD VADODRA	
6	Decoupling arrangement	M/S-KOHINOOR PVT LTD MUMBAI	
7	Floor board	M/S-TWPL MUMBAI	
8	PVC	M/S-CMT MECHANISED SYSTEM PVT LTD VADODRA	
9	UIC Vestibule (PPE)	M/S-SUNCREAST KOLKATA	
10	UIC Vestibule (NPPE)	M/S-SUNCREAST KOLKATA	
11	Gangway bridge mounting (PPE)	M/s-MAHAVEER METAL WORKS KXH	
12	Gangway bridge mounting (NPPE)	M/s-MAHAVEER METAL WORKS KXH	
13	Body Side Window	M/S-CMT MECHANISED SYSTEM PVT LTD VADODRA	
14	Emergency Window	M/S-CMT MECHANISED SYSTEM PVT LTD VADODRA	
15	Lavatory/hopper Window	M/S-CMT MECHANISED SYSTEM PVT LTD VADODRA	
16	Roof Ceiling	M/S-CMT MECHANISED SYSTEM PVT LTD VADODRA	
17	Door way /gang way ceiling	M/S-AMIRCHAND ENGG WORK JUC	
18	Supply Air Duct	M/S-CMT MECHANISED SYSTEM PVT LTD VADODRA	
19	Partition panel (HONEYCOMB)	M/S-CMT MECHANISED SYSTEM PVT LTD VADODRA	
20	Partition pillar	M/S-CMT MECHANISED SYSTEM PVT LTD VADODRA	
21	Side Wall panel	M/S-CMT MECHANISED SYSTEM PVT LTD VADODRA	
22	AC Trough	M/S-CMT MECHANISED SYSTEM PVT LTD VADODRA	
23	RMPU	M/S-AMIT	
24	Body Side Doors	M/S-CMT MECHANISED SYSTEM PVT LTD VADODRA	
25	Saloon sliding door (PPE)	M/S-CMT MECHANISED SYSTEM PVT LTD VADODRA	
26	Saloon sliding door (NPPE)	M/S-CMT MECHANISED SYSTEM PVT LTD VADODRA	
27	Pocket Wall (PPE)	M/S-CMT MECHANISED SYSTEM PVT LTD VADODRA	
28	Pocket Wall (NPPE)	M/S-CMT MECHANISED SYSTEM PVT LTD VADODRA	
29	Vestibule Door(PPE)	M/S-CMT MECHANISED SYSTEM PVT LTD VADODRA	
30	Vestibule Door(NPPE)	M/S-CMT MECHANISED SYSTEM PVT LTD VADODRA	
31	Pantry partition	M/S-CMT MECHANISED SYSTEM PVT LTD VADODRA	
32	Pantry sliding door	M/S-CMT MECHANISED SYSTEM PVT LTD VADODRA	
33	Shutter Big	M/S-CMT MECHANISED SYSTEM PVT LTD VADODRA	
34	Shutter Small	M/S-CMT MECHANISED SYSTEM PVT LTD VADODRA	
35	Bio Tank	M/S-UNIFAB-02,CEMCON CASTING PVT.LTD-01 no	
36	Pressurized flushing	M/S-IMI	
37	Auxiliary Water Tank	M/S-OASIS	
38	Under Slung Water Tank ( 2X685L)	M/S-AMIT ENGG BADDI	
39	Health Faucet	M/s-H.F GLASS VADODARA	
40	Lotah Filler Tap	M/s-H.F GLASS VADODARA	
41	Bib cock	M/s-JAQUAR PVT LTD ALWAR	
42	Lavatory Modules	M/S-CMT MECHANISED SYSTEM PVT LTD VADODRA	
43	Lavatory Doors	M/S-CMT MECHANISED SYSTEM PVT LTD VADODRA	
44	Fire Extinguisher	M/S-CMT MECHANISED SYSTEM PVT LTD VADODRA	
45	Automatic smoke & heat Detection with alarm System	M/S-SANROK ENTERPRISES	
46	Seat & Berth	M/S-CMT MECHANISED SYSTEM PVT LTD VADODRA	
47	Centre Table	M/S-CMT MECHANISED SYSTEM PVT LTD VADODRA	
48	Luggage Rack	M/S-CMT MECHANISED SYSTEM PVT LTD VADODRA	
49	RFID	NA	

SSE/QC/MCF/RBL

वरि०अनु० अभियंता

गुणवत्ता विभाग

रेडि०श०, रायबरेली (जालगंज)





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RLY	CR	COACH NO	204294/C	DATE OF DISPATCH	24-07-2020
Type	LWSCZAC	Shell No.	94032	DISPATCH TO	SSE/STOCK/CR/BB
				FUR.NO.	SCZAC-02

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 Frequency	REFERENCE & 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 qualityrcfrbl@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 अनुसंधान अभियंता  
गुणवत्ता विभाग  
रेलवे डिपार्टमेंट, रायबरेली (महाराष्ट्र)

Assistant Mechanical Engineer / Quality  
आधुनिक रेल डिब्बा कारखाना, रायबरेली  
Modern Coach Factory, Raebareli

उप मुख्य गुणवत्ता नियंत्रक  
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

REV NO: 00


DATE:23.12.2019

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FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF LHB AC CHAIR CAR  
ELECTRICAL TEST CERTIFICATE FOR LHB AC CHAIR CAR

ELECTRICAL TEST CERTIFICATE FOR LHB AC CHAIR CAR											
TYPE COACH		LWSCZAC		SHELL/COACH NO		204294/C					
RAILWAY		CR		ELECT.FIT DATE		21-07-2020		MCF FUR.NO		SCZAC-02	
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				26.88 Cub mtr/min				OK		
3.2	Return Air				68.98 Cub mtr/min				OK		
3.3	Exhaust Air				21.96 Cub mtr/min				OK		
3.4	Conditioned Air				182.10 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 <sup>0</sup> C NPP Side :20.7 <sup>0</sup> 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 AC CHAIR CAR COACH  
ELECTRICAL TEST CERTIFICATE FOR LHB AC CHAIR CAR 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 COMPOSITE PANTRY	OK
10.0	WORKING OF READING LIGHTS	OK
11.0	WORKING OF COMPARTMENT LIGHT	OK
12.0	WORKING OF PANTRY EXHAUST FAN	OK
13.0	WORKING OF PUBLIC ADDRESSING SYSTEM ( PAS )	OK
14.0	WORKING OF ANNUNCIATOR SYSTEM	OK
15.0	WORKING OF WHEEL SLIDE PROTECTION SYSTEM ( WSP )	OK
16.0	WORKING OF 60KVA TRANSFORMER	OK
17.0	WORKING OF 5 KVA TRANSFORMER	OK
18.0	WORKING OF REGULATED BATTERY CHARGER	OK
19.0	WORKING OF EMERGENCY BATTERY CHARGER	OK
20.0	SAFETY :	
20.1	OHP :	OK
20.2	ROTARY 07 SET POINTS (NORMAL CONDITION)	OK
20.3	LP/HP GAUGE	OK
20.4	HYGROSTAT	OK
20.5	CONTROL CIRCUIT	OK
20.6	POWER CIRCUIT	OK
20.7	REFRIGERANT USED R 407C	OK

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ROLLING STOCK CERTIFICATE OF LHB AC CHAIR CAR COACH

Sr. no.	Description	Drg/Spec no.	Quantity per Coach
01.	Roof mounted AC Package unit Make : <b>AMIT ENGG.</b> Sr no :- (NPP Side): <b>4383 L</b> (PP Side): <b>4377 L</b> CPU No: <b>AE-19.08.779</b>	RDSO/PE/SPEC/AC/0061 2005,REV-1,TYPE-1with RDSO/PE/MS/AC/077-2018 (rev-0) or Latest.	<b>02</b>
02.	Provision of Switch Board Cabinet (Power Panel) Make : <b>RSI</b> Sr no.: <b>19/10/44800/25</b>	As per spec no. RDSO/PE/SPEC/AC/0184- 2015(REV.0)	<b>01</b>
03.	Provision of 4.5 Kw Under Slung type Constant Voltage Regulated battery charger cum Emergency Charger unit. Make : <b>N/A</b> Sr no: <b>N/A</b>	RDSO/PE/SPEC/AC/0183 (REV '1' )	<b>N/A</b>
04.	Provision of 60KVA TFR 750/415 V,3-Phase,4- Wire,Vector configuration-STAR-STAR. Make: <b>VIMAL</b> Sr. No.: <b>VTC-R-3089-LHB-2629</b>	As per spec no. RDSO/PE/SPEC/AC/0080- 2007,Rev.-1 with RDSO letter no. EL/7/1/108/Transformer, dated 31/03/15 or Latest.	<b>01</b>
05.	Provision of 5 KVA Transformer. Make: <b>WAVES</b> Sr. no.: <b>WLDTS1L 20919</b>	As per EDTS-366 ,Rev-Nil or Latest.	<b>01</b>
06.	Provision of Capacitor Bank. Make : <b>KONTACT</b> Sr no : <b>KT-279</b>	As Per EDML 130,Type- II,Rev.-1,Cor-3	<b>01</b>
07.	Provision of Pump equipment with PLC controller & pump box Make: <b>KIND</b> Sr no: <b>KIND/ASY/0079</b> Pump 1: <b>20050227</b> Pump 2: <b>20050228</b> P/Cntrl: <b>20050055-KIND</b>	As per spec no. EDTS 186 Rev.-A,AM-2,Corr-2 or latest.	<b>01 Set</b>
08.	Provision of Single Inlet Radial Blower, 415V/03Ph/185W/ 1045 Cub mtr/hr discharge from Pantry room. Make: <b>INTEG</b>	As per EDTS 331,Corr- 3,Type-II. Cat. no. 64D180BD,Rev nil.	<b>01</b>
09.	Provision of Double inlet centrifugal blower assembly complete with mounting bracket. Make: <b>EYYANI</b>	As per EDTS-331,Cor-1,2 & 3,Type-1 or Latest.	<b>02</b>
10.	Provision of Composite Pantry for LHB EOG AC chair car(Hot case, Deep freezer & water Boiler) Make: <b>SPECTRUM</b> Sr. no.: <b>SSFT-CMT-2T-009</b>	As per EDTS-331,Rev- B,Cor-2 or Latest	<b>01 Set</b>

Senior Section Engineer  
Quality control / Electrical  
Modern Coach Factory Raebareli







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## ROLLING STOCK CERTIFICATE OF LHB AC CHAIR CAR COACH

Sr. no.	Description	Drg/Spec no.	Quantity per Coach
11.	Provision of LED Light fitting for Passenger area. Make: <b>DR AUTO</b>	As per Drg. No. LW76100(Type"O") (18 Watt) Spec no. RDSO/PE/SPEC/TL/0091-2016,Rev-1	<b>11</b>
12.	Provision & mounting of Doorway/ Gangway light Make: <b>DR AUTO</b>	RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-N & Drg no. LW 76099(9 Watt)	<b>07</b>
13.	Provision of LED Light fitting with Night Light.(Pantry Room). Make : <b>DR AUTO</b>	RDSO/PE/SPEC/TL/0091-2016 Rev-1. Drg. No. LW76091 Type'M'.(9 Watt+ 1 Watt)	<b>01</b>
14.	Provision of Lavatory Light Fitting assembly. Make: <b>RT VISION</b>	RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-D As per drg no. LW 76001,Alt nil.	<b>03</b>
15.	Provision of Cable Jacket ,Size Nominal width 25mm ,Length -1000 mm	As per drg no. EDTS 0138,Rev-nil,Corr.-1 Item 9	<b>01 Set</b>
16.	Provision of PACIL Assly. Make: <b>KAVERI</b>	As per RDSO/PE/SPEC/TL/0091-2016,Rev-1.Drg no. LW 76098 Type-I (3 Watt)	<b>02</b>
17.	Provision of WC Light Make: <b>DHINGRA</b>	As per RDSO/PE/SPEC/TL/0091-2016,Rev-1.Drg. no. LW76097 Type-H1 (1Watt)	<b>02 Set</b>
18.	Provision of Cable Binders.	As per CC76129 or as approved of OEM by MCF/RCF.	<b>01 Set</b>
19.	Provision of Razor socket. Make: <b>N/A</b>	As per cat no EDML 047, Rev nil.	<b>N/A</b>
20.	Provision of Accidental Emergency Light. Make: <b>INTEG ELECT.</b>	As per RDSO/PE/SPEC/AC/0180-2016(Rev-0),Type-II.Drg. no. RDSO/PE/SK/TL/0181-2016(Rev-0) Sheet no. 1 & 2 or Latest.	<b>01</b>
21.	Provision of Call Bell/Annunciator. Make: <b>V.S.INSTRUMENT.</b>	As per EDTS-370, Rev-0, AM-1 or Latest.	<b>01 Set</b>
22.	Switch Socket Combined 5 Pin,6A,110VAC plate assembly Make: <b>SSK</b>	As per EDML-064, Rev-B, Table-7 or Latest.	<b>18</b>
23.	Provision of LED Reading light for Three seater. Make: <b>ENSAVE</b>	As per RDSO/PE/SPEC/TL/0091,Rev-1.Drg. no. LW76103,Type-Q2 (2Watt)	<b>14</b>
24.	Provision of LED Reading light for Two seater. Make: <b>ENSAVE</b>	As per RDSO/PE/SPEC/TL/0091,Rev-1.Drg. no. LW76103,Type-Q1 (2Watt)	<b>18</b>

Senior Section Engineer  
Quality control / Electrical  
Modern Coach Factory Raebareli



MCF/RBL





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REV NO: 00

DATE:23.12.2019

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ROLLING STOCK CERTIFICATE OF LHB AC CHAIR CAR COACH

Sr no	Description	Drg/Spec no.	Quantity per Coach
25.	Plug & socket distribution board 20A,240 V AC With MCB for water Boiler and soup warmer. Make: <b>SSK</b>	As per Drg. No. LA 72200,Alt-A or Latest.	<b>02</b>
26.	Provision of External supply Socket 125A/415V/IP67/5-Pole (3Ph+1N+1E) complete with pilot contacts. Make: <b>MV</b>	As per 1948036 /UIV4125-6.	<b>02</b>
27.	Provision of High Capacity Inter-Vehicular Coupler Unit (ZS Coupling) (500 A,750 V,3 ph,50 Hz). Make: 1.(NPP): <b>MAA LAXMI INDUSTRIES</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>02</b>
28.	Provision of Wheel Set Earthing Equipment. Make- NPP: <b>PRIME ELECT.</b> PP: <b>PRIME ELECT.</b>	As per spec no. EDTS 101 ,Rev.-C,AM-1,Corr-	<b>2</b>
29.	Provision of Terminal connector complete.	As per EDML-033, Rev.-D,MCF/RBL-Corr-2 or latest.	<b>01</b>
30.	Battery box for LHB coaches. Make: <b>HITECH</b>	As per drgno 1 10113 0 76 700 005,Alt C	<b>01</b>
31.	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 : <b>11/18</b>	EDTS 129,Rev nil	<b>01 Set</b>
32.	Battery fuse box +ve Make : <b>RICHMOND</b>	As per LW 71001,Alt-G	<b>01</b>
33.	Battery fuse box -ve Make : <b>AECO</b>	As per LW 71002,Alt-G	<b>01</b>
34.	Provision of IVC dummy Socket assembly	As per Drg. No. LW71302,Alt-nil	<b>02</b>
35.	Provision of Feeder Junction Box. Make: <b>MAA LAXMI INDUSTRIES</b>	As per EDTS-328,Rev-C,AM-4,TYPE-II,COR-2.	<b>04</b>
36.	Provision of Anti Skid Disk Brake System.(WSP) Make : <b>ESCORTS</b> Sr no : <b>19001-60527-0087</b>	As per MDTS 077,Rev.-2 M/s"FAIVELEY" or "Knorr Bremse", or "ESCORTS"	<b>01 Set</b>
37.	Public addressing System Make: <b>AHUJA</b>	As per EDTS-173,TYPE-V,CORR-2,REV-A,AM-3 or Latest.	<b>01 set</b>



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गुणवत्ता नियंत्रण  
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S.S.E./Elect-OC/M.C.F./LLJ/RBL



AWM(ELECT.)/MCF/RBL  
संस्थापक अभियन्ता  
आर०डि०का० / रायबरेली  
A.W.M./Electrical/MCF/RBL



MCF/RBL