



Modern Coach Factory Raebareli

DOC NO.: MCF/RBL/QMF 8002

आधुनिक रेल डिब्बा कारखाना, रायबरेली

REV NO: 00

DATE: 11-06-2020

ROLLING STOCK CERTIFICATE

Rolling Stock Certificate No.: MCF/RBL/QC/RSC/2020-21/183

RLY	CR	COACH NO	204080/C	DATE OF DISPATCH	21-07-2020
Type	LFCWAC	Shell No.	91013	DISPATCH TO	SSE/STOCK/CR/BB
				FUR.NO.	FCWAC-04

- Railway Board's Order No. : 2020/M(C)/142/2, DATED-24.06.2020
- Tare Weight of Coach : 42.5 Tonnes
- Carrying Capacity : FAC-Sleeping-10, C2T-Sleeping-28

4. Special feature:

A 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	4039
4	CBC height/Buffer height from Rail level 1105 +0/-10	NPP/PP 1104/1105

6. TRACEABILITY OF SHELL ITEMS:

S NO	ITEM	MAKE/SUPPLIER	SERIAL NO
1	Under Front Part	PP END M/S-MTF	543
		NPP END M/S-MTF	557
	Complete	MCFRBL-V4U TECHIE	91013
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	04/01
	RH SIDE	MCF/RBL	04/02
4	End wall PP END	M/S-RAIL TECH KXH	
	NPP END	M/S-RAIL TECH KXH	
5	Roof	MCF/CONT	04
6	Centre Buffer Coupler	M/S-SANROK ENT	PP END 14794 NPP END 14813

7. PAINTING DETAILS:

S NO	DESCRIPTION	TYPE OF PAINT	MAKE	APPLICATION BY MCF/ CONTRACTOR	AVERAGE GLOSS VALUE	DATE OF COMPLETION
1	Paint	P.U	AXALTA	M/S-EMPRISE MARKETING	96/93	21.11.2019
2	Insulation			Satisfactory		

SSE/QC/MCF/RBL

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गुणवत्ता विभाग

रे ० डि ० का ०, रायबरेली (लालगंज)



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/2020-21/183

RLY	C	R	-	Coach No.	2	0	4	0	8	0	/	C	-	DATE OF DISPATCH	2	1	0	7	2	0	2	0
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DISPATCH	SSE/STOCK/CR/BB	Type	L	F	C	W	A	C	Shell No.	9	1	0	1	3	-	FUR .NO	FCWAC-04
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9. DETAIL OF BOGIES:

ITEMS	NPP Side				PP Side			
Bogie No	193467				193468			
Bogie Type	FIAT				FIAT			
Frame no.	SIMPLEX-43				SIMPLEX-42			
Booster no.	MCF/RBL-3471				MCF/RBL-3524			
Axle No	19 T - 7174 RWF		19 P - 1429 RWF		20T- 8684 RWF		20 V- 0698 RWF	
Wheel Dia	917.623	917.676	917.63	917.668	917.347	917.451	917.383	917.46
Wheel Disc No	TZ-02-19 29203-9MA9	TZ-02-19 39757-90G4	TZ-02-19 48460-9PB9	TZ-02-19 42207-9PJ7	TZ-02-19 39338-90G4	TZ-02-19 44991-8RS9	TZ-02-19 18047-8WP9	TZ-02-19 43726-9PG1
R.B. Nos.	11-19 00376	11-19 00051	11-19 00208	11-19 00318	12-19 44907	11-19 32894	12-19 34672	11-19 42058
CTR B Make	SKF		SKF		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.	CMFSK12-19- F18-150-26	CMAFJ04-19- 9513-70	CMFSK12-19- 518-150-30	CMAFJ04-19- 9513-73	CMFSK12-19- F18-150-1032	CMAFJ04-19-9513- 10	CMFSK12-19- F18-150-22	CMAFJ04-19-9513- 41
Compressed Ht. at Tested Load	508	468	509	467	509	467	507.5	467
Alignment deviation (mm)	12	15	11	15	8	10	7	10

11. TRACEABILITY 90F BOGIE ITEMS :-

S. NO	ITEM	MAKE/ SUPPLIER	SERIAL NO.	
			NPP SIDE	PP SIDE
1.	Yaw Damper	IAI	304038,304223	304158,304149
2.	Primary outer Spring	CMAFJ	05-19 1100---(180,45,256,253)	05-19 1100---(254,257,256,173)
3.	Primary Inner Spring	CMAFJ	05-19 F02-545- (7523,1472,263,264)	05-19 F02-545- (7294,7292,7700,7221)
4.	Primary Damper	IAI	12-19 (286444,266050,286193,266225)	12-19 (286843,286663,286434,286109)
5.	Secondary Damper	IAI	08-19 (268364,268430)	05-19 (255001,255065)
6.	Lateral Damper	IAI	08-19 268430	08-19 268394
7.	Brake Cylinder	KBI	C(2041,1015,1176,2039)-K-29	C(2042,1115,1105,2041)-K-29
8.	Brake Caliper	KBI	C(8696,8855,8854,8697)-29	C(8695,8856,8857,8694)-29
9.	Brake Disc	KBI/FAV	242068 0019-44/19,242066890 0018-44/19 242066890 0022-44/19,242066890 0021-44/19	01-20(940,939,839,219)D133561-300
10.	Ball Joint Control Arm	GMT		
11.	Lateral Bump Stop	GMT		
12.	Traction Centre make	SARITA/RNG		
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	ARYAN		
18.	Anti roll bar Make	SF(SARITA)		
19.	Roll Link make	SARITA /GMT		
20.	Fork make	RNG		
21.	Control Arm Upper	RVE	121019-2,121019-2,121019-2,11019-2	140819-1,140819-3,170819-1,140819-2
22.	Control Arm Lower	RVE	131019-4,131019-2,141019-2,131019-4	221119-2,130819-2,091119-6,130819-4
23.	Phonic Wheel	KBI	K 12-19	K 09-19





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Type	LFCWAC	Shell No.	91013	DISPATCH TO	SSE/STOCK/CR/BB
				FUR.NO.	FCWAC-04

11. TRACEABILITY OF FIRMS -

S.NO	ACTIVITIES	FIRM	TURNKEY/WORK CONTRACT/SUPPLY AND APPLY
1	COACH FUR.	M/s-H.F.G.W VADODARA	TURNKEY
2	Air Brake	M/S-FLUID CONTROL	WORK CONTRACT
3	Bio TOILET & FLUSHING	M/s-H.F.G.W VADODARA	TURNKEY
4	FIRE Detection	M/S-SANROK ENT	SUPPLY AND APPLY

12. TRACEABILITY OF FURNISHING ITEMS:

S.NO	ITEM	MAKE/SUPPLIER	SERIAL NO(NPP/PP)
1	Air Brake Module	M/S-KBI	4028-41/19
2	Distribution valve	M/S-KBI	2019K9274
3	FIBA	NA	
4	Floor board	M/S-TWPL MUMBAI	
5	UIC Vestibule (PPE/NPP)	M/s-SUNCREAST KOLKATA	
6	Gangway bridge mounting (PPE/NPP)	M/s-MAHAVEER METAL WORKS KXH	
7	Body Side Window	M/s-H.F.G.W VADODARA	
8	Emergency Window	M/s-H.F.G.W VADODARA	
9	Lavatory/hopper Window	M/s-H.F.G.W VADODARA	
10	Roof Ceiling	M/s-H.F.G.W VADODARA	
11	Door way /gang way ceiling	M/s-H.F.G.W VADODARA	
12	Partition panel (HONEYCOMB)	M/s-H.F.G.W VADODARA	
13	Side Wall panel	M/s-H.F.G.W VADODARA	
14	AC Trough	M/s-H.F.G.W VADODARA	
15	Body Side Doors 1,2	M/s-JBM INDS FARIDABAD	
	Body Side Doors 3,4	M/S-SUJATA	
16	Compartment Door (PPE/NPP)	M/s-H.F.G.W VADODARA	
17	Compartment Door (MIDDLE)	M/s-H.F.G.W VADODARA	
18	Vestibule Door(PPE/NPP)	M/s-H.F.G.W VADODARA	
19	Bio Tank	M/s-RAIL FAB KAPURTHALA	
20	Pressurized flushing with ele pneu.system	M/S-IMI	
21	Auxiliary Water Tank	M/S-AMIT ENGG MOHALI	
22	Under Slung Water Tank (2X685L)	M/S-SHIVALIK FAST MOHALI	
23	Under Slung Water Tank (1x450 L)	M/S-OASIS	
24	Health Faucet	M/s-H.F.G.W VADODARA	
25	Lotah Filler Tap	M/s-H.F.G.W VADODARA	
26	Bib cock	M/s-JAQUAR PVT.LTD ALWAR	
27	Lavatory Modules	M/s-H.F.G.W VADODARA	
28	Lavatory Doors	M/s-H.F.G.W VADODARA	
29	Fire Extinguisher	M/s-H.F.G.W VADODARA	
30	Automatic smoke & heat Detection with alarm System	M/S-SANROK ENT	
31	Auto janitor	M/s-H.F.G.W VADODARA	
32	Odour control system	M/s-H.F.G.W VADODARA	
33	Seat & Berth	M/s-H.F.G.W VADODARA	
34	Light Luggage Rack	M/s-H.F.G.W VADODARA	
35	Snack Table	M/s-H.F.G.W VADODARA	
36	RFID	NA	

SSE/QC/MCF/RBL

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रे०डि०का०, रायबरेली (लालगंज)



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Type	LFCWAC	Shell No.	91013	DISPATCH TO	SSE/STOCK/CR/BB
				FUR.NO.	FCWAC-04

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.

[Signature]

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SSE/QC/MCF/RBL

SME/AME/QC/MCF/RBL

Dy.CQM/MCF/RBL

वरिष्ठ अनुसंधान विभाग
गुणवत्ता विभाग
रेल डिब्बा कारखाना, रायबरेली (लालगंज)

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

Dy. Chief Quality Manager
आधुनिक रेल डिब्बा कारखाना, रायबरेली
Modern Coach Factory, Raebareli



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DOC NO.: MCF/RBL/QEF/8001

REV NO: 00

DATE: 31.01.2020

PAGE 1 OF 6

FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF LHB COMPOSITE (FIRST AC CUM SECOND AC) COACH.

ELECTRICAL TEST CERTIFICATE FOR LHB COMPOSITE (FIRST AC CUM SECOND AC) COACH.					
TYPE COACH	LWFCWAC	SHELL/COACH NO		204080/C	
RAILWAY	CR	ELECT.FIT DATE	08-07-2020	MCF FUR NO.	FCWAC-04
Sr. no.	Description of tests				Remarks
1.0	REFERENCE SPECIFICATION : L 446				
1.1	AIR CONDITIONING TEST : ELI S/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	19.88 Cub mtr/min		OK	
3.2	Return Air	66.91 Cub mtr/min		OK	
3.3	Exhaust Air	6.05 Cub mtr/min		OK	
3.4	Conditioned Air	157.33 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 : 20.7 °C NPP Side : 19.8 °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
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PAGE 2 OF 6

FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF LHB FIRST COMPOSITE (FIRST AC CUM SECOND AC) COACH.

ELECTRICAL TEST CERTIFICATE FOR LHB FIRST COMPOSITE (FIRST AC CUM SECOND AC) 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 LIGHT	OK
11.0	WORKING OF BRACKET FAN	OK
12.0	WORKING OF PUBLIC ADDRESSING SYSTEM (PAS)	OK
13.0	WORKING OF ANNUNCIATOR SYSTEM	OK
14.0	WORKING OF WHEEL SLIDE PROTECTION SYSTEM (WSP)	OK
15.0	WORKING OF 60KVA TRANSFORMER	OK
16.0	WORKING OF 5 KVA TRANSFORMER	OK
17.0	WORKING OF REGULATED BATTERY CHARGER	OK
18.0	WORKING OF EMERGENCY BATTERY CHARGER	OK
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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PAGE 3 OF 6

ROLLING STOCK CERTIFICATE OF LHB FIRST COMPOSITE (FIRST AC CUM SECOND AC) COACH.

Sr. no.	Description	Drg/Spec no.	Quantity per Coach
01.	Roof Mounted AC package unit for LHB AC coaches Make : AMIT ENGG. Sr no of RMPU 1 (NPP side) : 4373L Sr no of RMPU 2(PP side) : 4374L Sr no of Microprocessor : AE 19.09.855-AMIT	As per RDSO/PE/SPES/AC/0061/R EV-1/2005	01 Set
02.	Switch board cabinet Make : NEC Sr no : 2019100568	As per spec no. RDSO/PE/SPEC/AC/0184- 2015(REV.0)	01 no.
03.	Pump equipment with PLC controller & pump box Make: DR AUTO PA Sr.no: 19/12/0122 Sr no.1: 19100491 Sr no.2 : 19100427 Sr.no.CPA: DR AUTO-2019/12/0009	As per spec EDTS 186,Rev- a, Am- 2. As per Spec. EDTS186, & drg no. CC71328 & LW70020 for P/CNTR.	01 Set
04.	Double inlet centrifugal blower 415V/03 ph/50Hz /120W/450 cu.mtr/hr discharge for exhausting air from lavatory & switch board cabinet Make : EYYANI	EDTS331, TYPE-I CORR.- 1&2	02 no.
05.	Provision of Passenger area LED Light(Cabin) Make: DR AUTO	As per RDSO/PE/SPEC/TL/0091- 2016,REV-01, TYPE-L	08 no.
06.	Mounting of Passenger area light(Cabin/corridor)	As per drg no. LW 76090.	OK
07.	Provision of Cabin/Corridor Light with Night light. Make: ENSAVE	As per RDSO/PE/SPEC/TL/0091- 2016,REV-01, TYPE-M	12no.
08.	Mounting of Cabin/Corridor Light with Night light	As per drg no. LW 76091.	OK
09.	Provision & mounting of Doorway/ Gangway light. Make: DR AUTO	As per RDSO/PE/SPEC/TL/0091- 2016,REV-01, TYPE-N & Drg no. LW 76099 -	06 no.
10.	Provision & Mounting of PACIL Assly. Make: KAVERI	As per RDSO/PE/SPEC/TL/0091- 2016,REV-01, TYPE-I Drg no. LW 76098.	02 no.
11.	Provision & Mounting of WC light. Make: DHINGRA	As per RDSO/PE/SPEC/TL/0091- 2016,REV-01, TYPE-H1 Drg no. LW 76097. -	02 no.
12.	Provision & Mounting of Lavatory Light. Make: IMT	As per RDSO/PE/SPEC/TL/0091- 2016,REV-01, TYPE-D & Drg no. LW 76092. -	04 no.

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ROLLING STOCK CERTIFICATE OF LHB COMPOSITE (FIRST AC CUM SECOND AC) COACH.

Sr. no.	Description	Drg/Spec no.	Quantity per Coach
13.	Provision of Emergency Lighting system Make: INTEG	As per RDSO/PE/Spec/AC/0180-2016(Rev-0), Type-2 or Latest.	04 no.
14.	PA system for LHB coaches Make: AHUJA	EDTS 173, Rev- a Am-1,2&3	01 Set
15.	Provision of terminal strip complete	As per EDML-033 Rev – C, Drg no. LW76054	01 Set
16.	Diffuser complete w/o item 1& 2.	LW 76012, Alt-a	OK
17.	Provision of switch plate assembly complete with polycarbonate cover frame and powder coated steel plate with 2 no. ON_ OFF switches. Make : SSK	As per spec EDML-064, REV-B, Am-1 Item 1 .Drg. no. LW74202 alt 'c'	02 no.
18.	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 : SSK	As per spec EDML-064, REV-B, Am-1 alt 'c' Item 16, Drg. No. LW74202	23 no.
19.	Provision of switch plate assembly complete with polycarbonate cover frame and powder coated steel plate with 1 no. push bell switch & 2 no. ON_ OFF switches and 1 no. 5-pin socket 6A, 250V AC with 1.0 Amp glass fuse. Make : SSK	As per spec EDML-064, REV-B, Am-1 alt 'c' Item-9, Drg. No. LW74202	02 no.
20.	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 : SSK	As per spec EDML-064, REV-B, Am-1 alt 'c' Item-4 ,Drg. No. LW74202	05 no.
21.	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 : SSK	As per spec EDML-064, REV-B, Am-1 alt 'c' Item-5, Drg. No. LW74202	08 no.
22.	Provision of switch plate assembly complete with polycarbonate cover frame and powder coated steel plate with 1 no. push bell switch and 4 no. ON-OFF switches and 1 no. 5-pin socket 6A, 250 V AC 1 no. 1.0 Amp glass . Make : SSK	As per spec EDML-064, REV-B, Am-1 alt 'c' Item-11, Drg. No. LW74202	01 no.


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PAGE 5 OF 6

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Sr. no.	Description	Drg/Spec no.	Quantity per Coach
23.	Bracket Fan 225 MM Sweep wall bracket type, 110 V AC and crash worthy features as per RCF AM-1 (Type-IV) Make: PARAS	IS:6680-92 with RDSO Annexure-H (Dec-2005) or latest	01 no.
24.	Provision & Mounting of reading light for upper berth Make: DEVINTEC	As per RDSO/PE/SPEC/TL/0091-2016, REV-01, TYPE-F2 & Drg no LW 76094	19 no.
25.	Provision & Mounting of reading light for transverse berth (RHS) Make: DEVINTEC	As per RDSO/PE/SPEC/TL/0091-2016, REV-01, TYPE-F3 & Drg no. LW 76095	08 no.
26.	Provision & Mounting of reading light for berth transverse (LHS) Make: AGASTYA	As per RDSO/PE/SPEC/TL/0091-2016, REV-01, TYPE-F4 & Drg no. LW 76096	07 no.
27.	Provision & Mounting of reading light for berth Longitudinal. Make: ENSAVE	As per RDSO/PE/SPEC/TL/0091-2016, REV-01, TYPE-F1 & Drg no LW 76096	04 no.
28.	Provision of Cable Jacket, Size 06 Nominal width 25mm, Length -1000mm	As per spec no. EDTS 0138, Item 09	OK
29.	Annunciator System complete Make: V.S INSTRUMENTS	As per EDTS 117, Rev-A	01 set
30.	Provision of High Capacity Inter-Vehicular Coupler Unit (ZS Coupling) (500 A, 750 V, 3 ph, 50 Hz). Make:- 1.(NPP): S.INTERNATIONALS 2.(PP): S.INTERNATIONALS	As per Spec. no. RDSO/PE/SPEC/AC/0177 (Rev.-0)-2013 with annexure-A, B.	01 set
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: AMARA RAJA Lug date: 03/18	EDTS 129, Rev nil	01 set
32.	Battery box for LHB coaches. Make: HITECH	As per drgno 1 10113 0 76 700 005, Alt C	01 no.
33.	Battery fuse box +ve Make: AECO	LW 71001, Alt-F	01 no.
34.	Battery fuse box -ve Make: ISGPL	LW 71002, Alt-F	01 no.

Senior Section Engineer
Quality control / Electrical
Modern Coach Factory Raebareli



	Modern Coach Factory Raebareli आधुनिक रेल डिब्बा कारखाना, रायबरेली	DOC NO.: MCF/RBL/QEF/8001
		REV NO: 00
		DATE: 31.01.2020

PAGE 6 OF 6

ROLLING STOCK CERTIFICATE OF LHB COMPOSITE (FIRST AC CUM SECOND AC) COACH.

Sr. no.	Description	Drg/Spec no.	Quantity per Coach
35.	4.5 Kw Under slung type Constant Voltage Regulated Battery charger cum Emergency battery charger Make: SIGNOTRON Sr. no.: 11190654	As per spec no. RDSO/PE/SPEC/AC/0183-2015(REV.-1)	01 no.
36.	Provision of 5 KVA TFR Make: WAVES SL.no.: WLDTS5L 19659	As Per EDTS-366,REV-NIL & CC-71510	01 no.
37.	Provision of capacitor Bank Make: KONTACT SL.no.: KT-314	As per EDML-130 Rev-1,Corr-1	01 no.
38.	60KVA transformer Make : VIMAL Sr no : VTC-3089-LHB-3614	As per spec no.RDSO/PE/SPEC/AC/0080-2007 (REV-1)	01 no.
39.	Feeder junction boxes. Make : MV ELECTROSYSTEMS	EDTS-328 REV-C	01 set
40.	Wheel set earthing equipment. Make : DARSHAN ENTERPRISES	EDTS101,REV-C,AM-1	01 set
41.	Wheel Slide Protection System (WSP) Make : KNORR Sr. no : 0119453225	As per MDTS 077,Rev.-2 M/s"FAIVELEY" or "Knorr Bremse", or "ESCORTS" M/s : KNORR	01 set
42.	Provision of External supply Socket 125A/415V/IP67/5-Pole (3Ph+1N+1E) complete with pilot contacts. Make: MV	Cat no. 1948036/UIV4125-6 with RCF annexure-A - 02 nos	02

	
SSE/EL/QC वरिष्ठ अनुभाग अभियन्ता गुणवत्ता नियंत्रण आ०रे०डि०का०/लालगंज/रायबरेली S.S.E./Elect-QC/M.C.F./LLJ/RBL	AWM(ELECT.)/MCF/RBL SEE(P)/MCF/RBL स० कार्य प्रबन्धक/विद्युत आ०रे०डि०का०/रायबरेली A.W.M./Electrical/MCF/RBL