	Modern Coach Factory Raebareli आधुनिक रेल डिब्बा कारख़ाना, 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/2019-20/1725

RLY	CR	COACH NO	201764/C			DATE OF DISPATCH	28-Feb-20
Type	LWFAC	Shell No.	91027	DISPATCH TO	SSE/STOCK/CSTM	FUR.NO.	FAC-12

1. Railway Board's Order No. : 2019/M(C)/142/2,DATED-07.02.2020
2. Tare Weight of Coach : Tonnes
3. Carrying Capacity : (a) Seating: 24 (b) Sleeping: 24 (c) Luggage: NIL
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	1102/1098

6. TRACEABILITY OF SHELL ITEMS:

S NO		ITEM		MAKE/SUPPLIER	SERIAL NO			
1	Under frame	Front Part	PP END	M/S-M.TECH	498			
			NPP END	M/S-M.TECH	483			
		Complete		MCFRBL-V4U.TECHIE	91027			
2	Lav. side wall			MCF/RBL	LAV.1		LAV.2	
				MCF/RBL	LAV.3		LAV.4	
3	Side wall	LH SIDE		MCF/RBL	12			
		RH SIDE		MCF/RBL	12			
4	End wall	PP END		MCF/RBL				
		NPP END		MCF/RBL				
5	Roof			MCFRBL -CONT	12			
6	Centre Buffer Coupler			M/s-SANROK	PP END	15384	NPP END	15385

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/cm².	6 – 10 sec.	07sec
		Max. pressure in BC	3.0 ±0.15 kg/cm².	3.0 kg/cm²
		All Brake are applied	OK	OK
2	Insensitivity	Exhaust BP @ 0.3 kg/cm²/min.	No brake application	OK
3	Sensitivity	Exhaust BP @ 0.1 kg/cm²/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	92/91	09-01-2020
2	Insulation	Satisfactory				

SSE/QC/MCF/RBL

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मे०डि०का०, रायबरेली (लालगंज)

MCF/RBL

	MODERN COACH FACTORY, RAEBARELI आधुनिक रेल डिब्बा कारख़ाना, 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/**2019-20/1725**

RLY	C	R	-	Coach No.	2	0	1	7	6	4	/	C	-	DATE OF DISPATCH	2	8	0	2	2	0	2	0

DISPATCH	SSE/STOCK/CSTM	Type	L	W	F	A	C	-	Shell No.	9	1	0	2	7	FUR .NO	FAC-12

8. DETAIL OF BOGIES:

ITEMS	NPP Side				PP Side			
Bogie No	193410				193409			
Bogie Type	FIAT				FIAT			
Frame no.	MCF/RBL-2198				MCF/RBL-1839			
Bolster no.	MCF/RBL-3356				MCF/RBL-3409			
Axle No	19 T – 6587 RWF		19 T - 7327 RWF		19 T– 6955 RWF		19 T- 7567 RWF	
Wheel Dia	917.366	917.448	917.422	917.462	917.374	917.454	917.417	917.489
Wheel Disc No	TZ 05-19 49706-9PI1	TZ 05-19 44192-9PH2	TZ 07-19 62150-9RL0	TZ 05-19 41944-9MI9	TZ 04-19 34136-9MJ3	TZ 07-19 65264-9RP5	TZ 04-19 36546-9MI7	TZ 04-19 34138-9MJ8
R.B. Nos.	11-19 42534	11-19 43308	11-19 40522	11-19 41655	11-19 42756	11-19 40504	11-19 42569	11-19 40552
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.	CMFSK12-19-F18-150-48	CMFSK 09-19-6046-488-538	CMFSK12-19-F18-150-13	MFSK 09-19-6046-488-556	CMFSK12-19-518-150-47	CMFSK09-19-3613-007-579	CMFSK12-19-518-150-61	CMFSK09-19-3613-007-558
Compressed Ht. at Tested Load	511	464	512	467	512	464	511	468
Alignment deviation (mm)	9	10	7	10	10	8	10	8

10. TRACEABILITY OF BOGIE ITEMS :-

S. NO	ITEM	MAKE/ SUPPLIER	SERIAL NO.	
			NPP SIDE	PP SIDE
1.	Yaw Damper	IAI	279577,279982	279596,279580
2.	Primary outer Spring	CMAFJ	05-19-7411-(19,24,20,32)	05-19-7411-(17,21,22,23)
3.	Primary Inner Spring	CMSTL	01-19-F02-545-02A-(7027,6938,6920,6969)	01-19-F02-545-02A-(8209,7181,7937,6766)
4.	Primary Damper	IAI	10-19 (277356,277315,277314,277266)	10-19 (277372,277346,277423,277414)
5.	Secondary Damper	IAI/KONI	04-19- (05583,04251)	04-19 (04720,03840)
6.	Lateral Damper	IAI	05-19- 251405	05-19- 251325
7.	Brake Cylinder	KBI	B-(0768,9677,9673),(C-0782) –K29	C-(0767,0794),B-(9684,9651)- K29
8.	Brake Caliper	KBI	B-(7483,7620,7619,7484)	B-(7458,7617,7618,7482)- 29
9.	Brake Disc	KBI	24206719-(0050,0041)-48-19, 24206718-(0024,0025)-48-19	24206720-0030-48-19, 24206719-48-19-0042, 24206716-0075-48-19, 24206716-0072-48-19
10.	Ball Joint Control Arm	GMT		
11.	Lateral Bump Stop	ARYAN		
12.	Traction Centre make	SARITA		
13.	Traction lever make	JI/TAJ		
14.	Ball joint traction lever	GMT		
15.	Ball joint traction centre	SGA/ARYAN		
16.	Secondary Rubber Pad	PRAG		
17.	Rubber Spring	AR		
18.	Anti roll bar Make	EMSON		
19.	Roll Link make	SARITA+GMT		
20.	Fork make	EMSON		
21.	Control Arm Upper	KUMAR/RV	D-1515,N-0532,N-1520,D-1111	140919-4,121019-2,141019-1,101019-1
22.	Control Arm Lower	KUMAR	141-019-6,N-9993,151-019-1,141-019-2	N-1585,D0555,N-9685,D-0896
23.	Phonic Wheel	KBI	K10-19- 640209	K10-19- 640209

Signature of SSE/Bogie/QC

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

ROLLING STOCK CERTIFICATE

Rolling Stock Certificate No.: MCF/RBL/QC/RSC/2019-20/1725

RLY	CR	COACH NO	201764/C			DATE OF DISPATCH	28-Feb-2020
Type	LWFAC	Shell No.	91027	DISPATCH TO	SSE/STOCK/CSTM	FUR.NO.	FAC-12

12. TRACEABILITY OF FURNISHING ITEMS:

S NO	ITEM	MAKE/SUPPLIER	SERIAL NO(NPP/PP)
1	Air Brake Module	M/S- KBI, FARIDABAD	4112 42/19
2	Distribution valve	M/S- KBI, FARIDABAD	2019 K 9337
3	Pull box	M/S- KBI, FARIDABAD	
4	FIBA	N/A	
5	Foot Step	M/S- SSPL FARIDABAD	
6	Decoupling arrangement	M/S- KOHINOOR LTD, MUMBAI	
7	Floor board	M/s- TWPL MUMBAI	
8	PVC	M/S- SHATABADI GLASS WORKS VADODARA	
9	UIC Vestibule (PPE)	M/S-SUNCREAST KOLKATA	
10	UIC Vestibule (NPPE)	M/S-KRP MUMBAI	
11	Gangway bridge mounting (PPE)	M/S- RAKESH IRON STEEL KXH	
12	Gangway bridge mounting (NPPE)	M/S- RAKESH IRON STEEL KXH	
13	Body Side Window	M/S- SHATABADI GLASS WORKS VADODARA	
14	Emergency Window	M/S- SHATABADI GLASS WORKS VADODARA	
15	Lavatory/hopper Window	M/S- SHATABADI GLASS WORKS VADODARA	
16	Roof Ceiling	M/S- SHATABADI GLASS WORKS VADODARA	
17	Door way /gang way ceiling	M/S- SHATABADI GLASS WORKS VADODARA	
18	Supply Air Duct	M/S- SHATABADI GLASS WORKS VADODARA	
19	Partition panel	M/S- SHATABADI GLASS WORKS VADODARA	
20	Partition pillar	M/S- SHATABADI GLASS WORKS VADODARA	
21	Side Wall panel	M/S- SHATABADI GLASS WORKS VADODARA	
22	AC Trough	M/S- BHARAT LKO(NPP)+MEENA CHENNAI(PP)	
23	Body Side Doors 1,3	M/S- JBM FARIDABAD	
	Body Side Doors 2,4	M/S- GOLD PLUS CDG	
24	Compartment Door (PPE)	M/S- SHATABADI GLASS WORKS VADODARA	
25	Compartment Door (NPPE)	M/S- SHATABADI GLASS WORKS VADODARA	
26	Vestibule Door(PPE)	M/S- KALSI LDH	
27	Vestibule Door(NPPE)	M/S- KALSI LDH	
28	RMPU	M/S-AMIT ENGG.	
29	Bio Tank	M/S-OMAX AUTOS	
30	Pressurized flushing with ele pneu.syster	M/S-IMI	
31	Auxiliary Water Tank	M/S-AMIT ENGG.MOHALI	
32	Under Slung Water Tank (2X685L)	M/S- SHIVALIK FAST MOHALI	
33	Health Faucet	M/S- SHATABADI GLASS WORKS VADODARA	
34	Lotah Filler Tap	M/S- SHATABADI GLASS WORKS VADODARA	
35	Bib cock	M/s- JAQUAR PVT.LTD.ALWAR	
36	Lavatory Modules	M/S- SHATABADI GLASS WORKS VADODARA	
37	Lavatory Doors	M/S- SHATABADI GLASS WORKS VADODARA	
38	Fire Extinguisher	M/s-SAFTEY PLUS/DEVIKA FIRE	1117/5970
39	Automatic smoke & heat Detection with alarm System	M/S-SANROK ENTERPRISES FARIDABAD	
40	Auto janitor	M/S- SHATABADI GLASS WORKS VADODARA	
41	Shower room	M/S- SHATABADI GLASS WORKS VADODARA	
42	Odour control system(12 NOS)	M/S- SHATABADI GLASS WORKS VADODARA	
43	Seat & Berth	M/S- SHATABADI GLASS WORKS VADODARA	
44	Light Luggage Rack	M/S- SHATABADI GLASS WORKS VADODARA	
45	Snack Table	NIL	
46	Venturi grill	M/S- SHATABADI GLASS WORKS VADODARA	
47	RFID	N/A	

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	Modern Coach Factory Raebareli आधुनिक रेल डिब्बा कारख़ाना, 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/2019-20/1725

RLY	CR	COACH NO	201764/C			DATE OF DISPATCH	28-Feb-2020
Type	LWFAC	Shell No.	91027	DISPATCH TO	SSE/STOCK/CSTM	FUR.NO.	FAC-12

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 ar 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 caseextend 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 60º)	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.

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Senior 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

MCF/ RBL

FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF LHB FIRST AC COACH

ELECTRICAL TEST CERTIFICATE FOR LHB FIRST AC COACH

TYPE COACH	**LWZFAC**		**SHELL/COACH NO**		**201764/C**
RAILWAY	**CR**	**ELECT.FIT DATE**	**17-02-2020**	**FUR.NO**	**FAC-12**

Sr no	Description of tests		Remarks
1.0	AIR DELIVERY MEASUREMENT	OBSERVED VALUE	OK
1.1	Fresh Air	**16.59** Cub mtr/min	OK
1.2	Return Air	**67.89** Cub mtr/min	OK
1.3	Exhaust Air	**5.34** Cub mtr/min	OK
1.4	Conditioned Air	**102.78** Cub mtr/min	OK
2.0	**PRE COOLING TEST: Max 01 hr.** Time taken to pre cool from 45 deg centigrade to 24/22 deg C during OFF LOAD condition. **Not done due to Ambient temp. below 22°C**		----
3.0	**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.		----

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ELECTRICAL TEST CERTIFICATE FOR LHB FIRST AC COACH

Sr no	Description of test	Remarks
4.0	HUMIDITY CONTROL	OK
5.0	PUMP EQUIPMENTS	OK
6.0	WORKING OF EXHAUST FANS OVER LAVATORIES	OK
7.0	WORKING OF COMPOSITE PANTRY	OK
8.0	WORKING OF BERTH READING LIGHTS	OK
9.0	WORKING OF COMPARTMENT LIGHT	OK
10.0	WORKING OF BRACKET FAN	
11.0	WORKING OF PUBLIC ADDRESSING SYSTEM (**PAS**)	OK
12.0	WORKING OF ANNUNCIATOR SYSTEM	
13.0	WORKING OF WHEEL SLIDE PROTECTION SYSTEM (**WSP**)	OK
14.0	WORKING OF 60KVA TRANSFORMER	OK
15.0	WORKING OF 5 KVA TRANSFORMER	
16.0	WORKING OF REGULATED BATTERY CHARGER	OK
17.0	WORKING OF EMERGENCY BATTERY CHARGER	OK
18.0	SAFETIES :	
18.1	OHP :	OK
18.2	ROTARY 07 SET POINTS (NORMAL CONDITION)	OK
18.3	LP/HP GAUGE	OK
19.0	HYGROSTAT	OK
20.0	CONTROL CIRCUIT	OK
21.0	POWER CIRCUIT	OK
22.0	REFRIGERANT USED **R 407C**	OK

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ROLLING STOCK CERTIFICATE OF LHB FIRST 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) : **4405 L** Sr no of RMPU 2(PP side): **4396 L** Sr no of Microprocessor. : **AE 19.11.149**	As per rdso/pe/spes/ac/0061/rev-1/2005	**01 Set**
02.	Switch board cabinet Make : **NEC** Sr no : **2019123328**	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: **2019/12/0006** Sr no.1: **19100509** Sr no.2 : **19100572** Sr.no.CPA: **2019/12/0004-DR AUTO**	As per spec EDTS 186,Rev-a, Am- 2	**01 Set**
04.	Double inlet centrifugal blower 415V/03Ph /50Hz /120W/450 cummtr/hr discharge for exhausting air from lavatory & switch board cabinet Make : **EYYANI**	EDTS331, TYPE-1 CORR.-1&2	**02 no.**
05.	Provision of Passenger area Light(Cabin/Corridor) Make: **RT VISION**	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-L	**12 no.**
06.	Mounting of Passenger area light(Cabin/corridor)	As per drg no. LW 76090.	--
07.	Provision of Cabin/Corridor Light with Night light. Make: **RT VISION**	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.	--
09.	Provision & mounting of Doorway/ Gangway light. Make: **RT VISION**	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-N & Drg no. LW 76099 -	**08 no.**
10.	Provision & Mounting of PACIL Assly. Make: **RT VISION**	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-I Drg no. LW 76098.	**02 no.**

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ROLLING STOCK CERTIFICATE OF LHB FIRST AC COACH

Sr no	Description	Drg/Spec no.	Quantity per Coach
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: **ENSAVE**	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-D & Drg no. LW 76092. -	**04 no.**
13.	Provision of Emergency Lighting system Make: **DR AUTO/INTEG ELECT.**	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 Make: NIL	As per EDML-033 Rev – C,Drg no. LW76054	**01 Set**
16.	Diffuser complete w/o item 1& 2.	LW 76012,Alt-a	--
17.	Plug & socket distribution board 20A,240 V AC Make: **SSK**	As per Drg. No. LA 72200,Alt-A or Latest.	**01 no.**
18.	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 11.Drg. no. LW74202 alt'c'	**04 no.**
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: **SSK**	As per spec EDML-064,REV-B,Am-1 alt 'c' Item 16,Drg. No. LW74202	**12 no.**
20.	Provision of switch plate assembly complete with polycarbonate cover frame and powder coated steel plate with 1 no. push bell & 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	**04 no.**

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ROLLING STOCK CERTIFICATE OF LHB FIRST AC COACH

Sr no	Description	Drg/Spec no.	Quantity per Coach
21.	Provision of switch plate assembly complete with polycarbonate cover frame and powder coated steel plat & 2 no. ON_ OFF switches 6A,250 V AC at corridor area. Make: **SSK**	As per spec EDML-064,REV-B,Am-1 alt 'c' Item-1,Drg. No. LW74202	**04 no.**
22.	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 fuse at cabin/Attendant area. Make: **SSK**	As per spec EDML-064,REV-B,Am-1 alt 'c' Item-5,Drg. No. LW74202	**05 no.**
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 : **AKG**	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-F1 & Drg no LW 76094 -	**12 no.**
25.	Provision & Mounting of reading light for transverse berth (RHS) Make: **AKG**	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-F3 & Drg no LW 76095 -	**05 no.**
26.	Provision & Mounting of reading light for berth transverse (LHS) Make: **AKG**	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-F4 & Drg no LW 76096 -	**07 no.**
27.	Provision of Cable Jacket ,Size 06Nominal width 25mm ,Length -1000mm	As per spec no. EDTS 0138, Item 09	---
28.	Annunciator System complete Make: **V.S INSTRUMENT**	As per EDTS 117,Rev-A	**01 set**
29.	Provision of Inter Vehicle coupler Make: **PRIME ELECT.**	As per RDSO PE SPEC-0177-2013 REV-0	**01 set**
30.	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 : **11/19**	EDTS 129,Rev nil	**01 set**

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ROLLING STOCK CERTIFICATE OF LHB FIRST AC COACH

Sr no	Description	Drg/Spec no.	Quantity per Coach
31.	Battery box for LHB coaches. Make: **HITECH**	As per drgno 1 10113 0 76 700 005,Alt C	**01 no.**
32.	Battery fuse box +ve Make : **RICHMOND**	LW 71001,Alt-F	**01 no.**
33.	Battery fuse box –ve Make : **RICHMOND**	LW 71002,Alt-F	**01 no.**
34.	Regulated battery charger Make : **SIGNOTRON** Sr no : **01200994**	RDSO/PE/SPEC/AC/0183 (REV -0)	**01 no.**
35.	Emergency battery charger Make : **NIL** Sr no: **NIL**	EDTS 163,Rev 'c' corg.-2&3	**00 no.**
36.	Provision of 5 KVA TFR Make: **VIMAL** SL.no. **VTC 3089 LHB-1163**	As Per EDTS-366,REV-NIL & CC-71510	**01 no.**
37.	Provision of capacitor Bank Make: **KONTACT** SL.no. **KT-870**	As per EDML-130 Rev-1,Corr-1	**01 no.**
38.	60KVA transformer Make :**VIMAL** Sr no : **VTC-R-3089-LHB-3052**	As per rdso/pe/spec/ac/0080/rev -0 (2007)/Am-1&2/Corr. 1,2&3	**01 no.**
39.	Feeder junction boxes. Make : **RSI**	EDTS-328 REV-C	**01 set**
40.	Wheel set earthling equipment. Make : **PRIME ELECT.**	EDTS101,REV-C,AM-1	**01 set**
41.	Wheel Slide Protection System (WSP) Make: **KNORR** Sr no : **0119423058**	M/s : **KNORR**	**01 set**
42.	PANTRY EQUIPMENTS : Hot Case, Bottle cooler cum deep freezer Make : **N/F**	As per spec no EDTS 139, Rev- E ,Sec II.	**00 set**

SSE/EL/QC वरिष्ठ अनुभाग अभियन्ता गुणवत्ता नियंत्रण आरेडिओका० / लालगंज / रायबरेली S.S.E./Elect-QC/M.C.F./LLJ/RBL	**AWM(ELECT.)/MCF/RBL** **SEE(P)/MCF/RBL** वरिष्ठ विद्युत अभियन्ता रेल कोच फैक्टरी, रायबरेली, Sr. Electrical Engineer / RCF / RBL

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