



Modern Coach Factory Raebareli  
आधुनिक रेल डिब्बा कारखाना, रायबरेली

DOC NO.: MCF/RBL/QMF 8002/  
LBAC REV NO: 00  
DATE: 21.02.2019

ROLLING STOCK CERTIFICATE

Rolling Stock Certificate No.: MCF/RBL/QC/RSC/20-21/920

RLY	WR	COACH NO	211060/C	DATE OF DISPATCH	23-Jan-21
Type	LWCBAC	Shell No.	95083	DISPATCH TO	Sr.DME/C&W/BCT
				FUR.NO.	BAC-103

1. Railway Board's Order No. : 2020/M(C)/142/2 Dated: -21.01.2021
2. Tare Weight of Coach : 39 Tonnes
3. Carrying Capacity : (a) Seating:15 (b) Sleeping: 15 (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 1105/1102

6. TRACEABILITY OF SHELL ITEMS:

S NO	ITEM	MAKE/SUPPLIER	SERIAL NO
1	Under frame	Front PP END	M/s-RAIL TECH KXH 9
		Part NPP END	M/s-RAIL TECH KXH 9
		Complete	M/s-RAIL TECH KXH 9
2	Lav. side wall	M/s-RAIL TECH KXH	LAV.1 ----- LAV.2 -----
		M/s-RAIL TECH KXH	LAV.3 ----- LAV.4 -----
3	Side wall	LH SIDE	M/s-RAIL TECH KXH 9
		RH SIDE	M/s-RAIL TECH KXH 9
4	End wall	PP END	M/s-RAIL TECH KXH -----
		NPP END	M/s-RAIL TECH KXH -----
5	Roof	M/s-RAIL TECH KXH	24
6	Centre Buffer Coupler	M/s-SANROK	NPP/PP 15391,15378

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.	7 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	GSI	M/s-GSI (S&A)	76/95	9-Nov-20
2	Insulation			Satisfactory		

*Deema*  
19/02/2021  
SSE/QC/MCF/RBL

वरिष्ठ निरीक्षक  
गुणवत्ता विभाग  
रेडिओ कार, रायबरेली (लागू)





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 - 920**

RLY	W	R	-	-	Coach No.	2	1	1	0	6	0	/	C	-	DATE OF DISPATCH	2	3	0	1	2	0	2	1
-----	---	---	---	---	-----------	---	---	---	---	---	---	---	---	---	------------------	---	---	---	---	---	---	---	---

DISPATCH	Sr.DME/C&W/BCT	Type	L	W	C	B	A	C	Shell No.	9	5	0	8	3	-	FUR .NO	LBAC - 103
----------	----------------	------	---	---	---	---	---	---	-----------	---	---	---	---	---	---	---------	------------

**9. DETAIL OF BOGIES:**

ITEMS	NPP Side				PP Side			
Bogie No	201726				201725			
Bogie Type	LSASP				LSASP			
Frame no.	MCF/RBL/LS-5 -2284				ECBT -914			
Bolster no.	AMIT -401				AMIT -411			
Axle No	20 Z- 4382 RWF		20 Z- 8822 RWF		20 Z - 0949 RWF		20 Z - 0772 RWF	
Wheel Dia	917.806	917.379	917.526	917.423	917.515	917.43	917.458	917.402
Wheel Disc No	TZ 07-17 24900-7RJ4	TZ 05-19 4100-9PE2	TZ 12-19 95812-9XG4	TZ 05-19 42012-9PH9	TZ 07-17 24897-9RJ4	TZ 05-19 41098-9PE2	TZ 12-18 12367-8WM9	TZ 02-19 26226-9ML0
R.B. Nos.	01-20 403305	02-20 501982	02-20 500757	01-20 502070	02-20 500862	01-20 403968	01-20 402237	01-20 404463
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
Make & Nos.	TAYAL & CO. 01-19 2173	TAYAL & CO. 07-19 2161	TAYAL & CO. 07-19 1721	TAYAL & CO. 07-19 1637

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

S. NO	ITEM	MAKE/ SUPPLIER	SERIAL NO.	
			NPP SIDE	PP SIDE
1.	Yaw Damper	KBI	21739,21800	21805,21806
2.	Primary outer Spring	CMAFI	07-20 7411-(529,533,542,519)	07-20 7411-(537,527,530,543)
3.	Primary Inner Spring	CMSTL	02-19 F02-545-02A-(7435-264,7341-264,6750-263,6788-263)	02-19 F02-551-02A-(7480-264,7780-264,8210-260,7065-264)
4.	Primary Damper	GABRIEL	02-20 (1281,1294,1325,1331)	02-20 (1282,1288,1287,1295)
5.	Secondary Damper	KONI	04-19 (06220,06188)	04-19 (03804,6616)
6.	Lateral Damper	IAI	03-20 313686	03-20 313840
7.	Brake Cylinder	KBI	D(0839,0837)K29,C(9463,9434)K29	D(0845,0848)K29,C(9436,9437)K29
8.	Brake Caliper	KBI	C(6250,6447,6444,6256)-29	C(6259,6442,6445,6257)-29
9.	Brake Disc	FAV	07-20 (851,853,404,403)D133561-300	06-20 (6687,6689,6721,6719)D133561-300
10.	Ball Joint Control Arm	GMT		
11.	Lateral Bump Stop	GMT		
12.	Traction Centre make	RNG		
13.	Traction lever make	JJ		
14.	Ball joint traction lever	GMT		
15.	Ball joint traction centre	BONY		
16.	Leveling Valve	ESCORT	20-08 4571,20-08 4660	20-08 0642,20-08 4624
17.	Check Valve	ESCORT	20-08-8755	20-08-8725
18.	Anti roll bar Make	RF		
19.	Roll Link make	JUR+GMT		
20.	Fork make	RF/SARITA		
21.	Control Arm Upper	SF(SARITA)	672,202,846,1014	658,758,1230,782
22.	Control Arm Lower	SF(SARITA)	4,268,1052,468	447,440,508,KUMAR-D2505
23.	Phonic Wheel	KBI	K07-20	K 06-20

Signature of SSE/Bogie/QC







Modern Coach Factory Raebareilly  
आधुनिक रेल डिब्बा कारखाना, रायबरेली

DOC NO.: MCF/RBL/QMF 8002  
LBAC REV NO: 00  
DATE: 21.02.2019

ROLLING STOCK CERTIFICATE  
Rolling Stock Certificate No.: MCF/RBL/QC/RSC/20-21/920

RLY	WR	COACH NO	211060/C	DATE OF DISPATCH	23-Jan-21
Type	LWCBAC	Shell No.	95083	DISPATCH TO	Sr.DME/C&W/BCT
				FUR.NO.	BAC-103


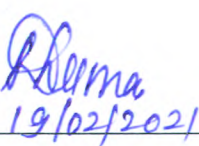
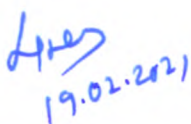
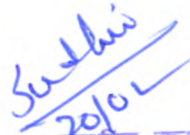
13. TRACEABILITY OF FURNISHING ITEMS:

S NO	ITEM	MAKE/SUPPLIER	SERIAL NO(NPP/PP)
1	Air Brake Module	M/s-KBI	6005 32/20
2	Distribution valve	M/s-KBI	2020H12193
3	Pull box	M/s-KBI	
4	FIBA	M/s-FAIVELEY	H20087,H20107
5	Foot Step	M/s-FABRICON KOLKATA	
6	Decoupling arrangement	M/s-ELASTOMER MUMBAI	
7	Floor board	M/s-SHRI RAM PNL	
8	PVC	M/s-CMT MECHANISED SYS.PVT.LTD VADODARA	
9	UIC Vestibule (PPE)	M/s-SUNCREST KOLKATA	
10	UIC Vestibule (NPPE)	M/s-SUNCREST KOLKATA	
11	Gangway bridge mounting (PPE)	M/s-RIS KXH	
12	Gangway bridge mounting (NPPE)	M/s-RIS KXH	
13	Body Side Window	M/s-CMT MECHANISED SYS.PVT.LTD VADODARA	
14	Emergency Window	M/s-CMT MECHANISED SYS.PVT.LTD VADODARA	
15	Lavatory/hopper Window	M/s-CMT MECHANISED SYS.PVT.LTD VADODARA	
16	Automatic Fire Detection System	M/s-SANROK ENT	
17	Roof Ceiling	M/s-CMT MECHANISED SYS.PVT.LTD VADODARA	
18	Doorway/Gangway Ceiling	M/s-CMT MECHANISED SYS.PVT.LTD VADODARA	
19	Supply Air Duct	M/s-CMT MECHANISED SYS.PVT.LTD VADODARA	
20	Partition panel	M/s-CMT MECHANISED SYS.PVT.LTD VADODARA	
21	Partition pillar	M/s-CMT MECHANISED SYS.PVT.LTD VADODARA	
22	Side wall panel	M/s-CMT MECHANISED SYS.PVT.LTD VADODARA	
23	AC Trough	M/s-CMT MECHANISED SYS.PVT.LTD VADODARA	
24	RMPU	M/s-INTEC DEHRADHUN	
25	Body Side Door	M/s-CMT MECHANISED SYS.PVT.LTD VADODARA	
26	Compartment Door (PPE)	M/s-CMT MECHANISED SYS.PVT.LTD VADODARA	
27	Vestibule Door(PPE)	M/s-JBM FARIDABAD	
28	Vestibule Door(NPPE)	M/s-JBM FARIDABAD	
29	Pantry sliding door	M/s-CMT MECHANISED SYS.PVT.LTD VADODARA	
30	Saloon sliding door(PPE)	M/s-CMT MECHANISED SYS.PVT.LTD VADODARA	
31	FRP panels for pantry room	M/s-CMT MECHANISED SYS.PVT.LTD VADODARA	
32	Shutter (small)	M/s-CMT MECHANISED SYS.PVT.LTD VADODARA	
33	Bio Tanks	M/s-RAIL FAB KXH	
34	Presurized flushing eletc.pneumatic	M/s-IMI	
35	Auxiliary Water Tanks	M/s-OASIS -01 NO +AMIT MOHALI-02 NOS	
36	Under Slung Water Tank ( 2X685L)	M/s-AMIT ENGG MOHALI	
37	Under Slung Water Tank (1x450 L)	M/s-SHIVALIK FAST MOHALI	
38	Health Faucet	M/s-CMT MECHANISED SYS.PVT.LTD VADODARA	
39	Lotah Filler Tap	M/s-CMT MECHANISED SYS.PVT.LTD VADODARA	
40	Bib cock	M/s-JAQUAR PVT LTD ALWAR	
41	Lavatory Modules	M/s-CMT MECHANISED SYS.PVT.LTD VADODARA	
42	Lavatory Doors	M/s-CMT MECHANISED SYS.PVT.LTD VADODARA	
43	Fire Extinguisher	M/s-DEVIKA FIRE	6967
44	Seat & Berth	M/s-CMT MECHANISED SYS.PVT.LTD VADODARA	
45	Ventury grill	NIL	
46	RFID	NIL	

*Sharma*  
19/02/2021  
SSE/QC/MCF/RBL

वरिष्ठ अधिकारी  
गुणवत्ता विभाग  
रेल डिब्बा कारखाना, रायबरेली (तालमज)



		<b>Modern Coach Factory Raebareilly</b> <b>आधुनिक रेल डिब्बा कारखाना, रायबरेली</b>		DOC NO.: MCF/RBL/QMF 8002 LBAC REV NO: 00 DATE: 17.04.2018	
ROLLING STOCK CERTIFICATE Rolling Stock Certificate No.: MCF/RBL/QC/RSC/20-21/920					
RLY	WR	COACH NO	211060/C	DATE OF DISPATCH	
Type	LWCBAC	Shell No.	95083	DISPATCH TO	Sr.DME/C&W/BCT
				FUR.NO.	BAC-103
14. MODIFICATION (IF ANY) : NIL 15. DEVIATION (IF ANY) : NIL 16. 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 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.					
 19/02/2021		 19.02.2021		 20/02/21	
SSE/QC/MCF/RBL		SME/AME/QC/MCF/RBL		Dy. Chief Quality Manager	
वरिष्ठ अनुष्ठानिक अधिकारी		सहायक संचालक इंजीनियर		आ. र. डि. का. रायबरेली	
गुणवत्ता विभाग		MCF, RBL		Modern Coach Factory	
रेल डिब्बा कारखाना, रायबरेली (लालगंज)					



Modern Coach Factory Raebareli  
आधुनिक रेल डिब्बा कारखाना, रायबरेली

DOC NO.: MCF/RBL QEF 8001

REV NO: 00


DATE: 25.01.2019

PAGE 1 OF 5

**FOR ELECTRICAL ITEMS**

ROLLING STOCK CERTIFICATE OF LHB/EOG HOG AC HOT BUFFET CAR  
ELECTRICAL TEST CERTIFICATE FOR LHB/EOG HOG AC HOT BUFFET CAR

TYPE COACH	LWCBAC	SHELL/COACH NO	211060/C
RAILWAY	WR	ELECT.FIT DATE	06-11-2020
FUR.NO	LBAC-103		
Sr no	Description of tests	Remarks	
1.0	REFERENCE SPECIFICATION : L 446		
1.1	AIR CONDITIONING TEST : ELPS/TP/AC 01.		
1.2	CODE OF PRACTICE OF WIRING : ELPS/SPEC/EOG/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	<b>30.46</b> Cub mtr/min	OK
3.2	Return Air	<b>88.56</b> Cub mtr/min	OK
3.3	Exhaust Air	<b>5.01</b> Cub mtr/min	OK
3.4	Conditioned Air	<b>178.07</b> Cub mtr/min	OK
4.0	<b>PRE COOLING TEST: Max 01 hr.</b> Time taken to pre cool from 45 deg centigrade to 24/22 deg C during OFF LOAD condition	OK	
	PP Side : <b>20.5°C</b> NPP Side : <b>20.4°C</b>		
5.0	<b>PULL DOWN TEST: Max 02 hrs.</b> Time taken to pull down from 45 deg C to 24/22 deg C during FULL LOAD condition.	---	
	<b>Not done</b>		

  
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:25.01.2019

PAGE 2 OF 5

**FOR ELECTRICAL ITEMS**

ROLLING STOCK CERTIFICATE OF LHB/EOG/HOG AC HOT BUFFET CAR

ELECTRICAL TEST CERTIFICATE FOR LHB EOG/HOG AC HOT BUFFET CAR

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 PANTRY EQUIPMENTS	OK
10.0	COMPARTMENT LIGHT	OK
11.0	PUBLIC ADDRESSING SYSTEM ( PAS )	OK
12.0	WHEEL SLIDE PROTECTION SYSTEM ( WSP )	OK
13.0	WORKING OF 60KVA TRANSFORMERS	OK
14.0	WORKING OF REGULATED BATTERY CHARGER	OK
15.0	WORKING OF EMERGENCY BATTERY CHARGER	OK
16.0	SAFETY :	----
16.1	THERMOSTAT :	OK
16.2	ROTARY 07 SET POINTS (NORMAL CONDITION)	OK
16.3	MID SET POINTS (SENSORS FAILED CONDITIONS)	OK
16.4	HYGROSTAT	OK
16.5	CONTROL CIRCUIT	OK
16.6	POWER CIRCUIT	OK
17.0	REFRIGERANT USED <b>R 407C</b>	OK

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





Modern Coach Factory Raebareli  
आधुनिक रेल डिब्बा कारखाना, रायबरेली

DOC NO.: MCF/RBL/QUEF/8001

REV NO: 00

DATE:25.01.2019

PAGE 3 OF 5

ROLLING STOCK CERTIFICATE OF LHB/EOG/HOG AC HOT BUFFET CAR

Sr no	Description	Drg/Spec no.	Quantity per Coach
01.	Roof mounted AC package unit for LHB AC coaches Make : <b>INTEC</b> Sr no of RMPU (NPP side): <b>19L 1565</b> Sr no of RMPU (PP side) : <b>19L 1560</b> Sr no of Microprocessor: <b>20073730-SIDWAL</b>	As per rdso/pe/spes/ac/0061/rev-1/2005	<b>02</b>
02.	Switch board cabinet Make : <b>ABROL</b> Sr no : <b>022</b>	As per Spec no.EDTS134,REV.D,AM-5	<b>01</b>
03.	Pump equipment with PLC controller & pump box Make : <b>DR AUTO</b> Sr no PA : <b>20/08/0167</b> Sr no.1 : <b>029</b> Sr no.2 : <b>035</b> Sr no.CPA : <b>20/10/520-HIND</b>	As per spec EDTS 186,Rev-a, Am- 2	<b>01</b>
04.	Double inlet centrifugal blower 415V/03Ph /50Hz /120W/450 cum mtr/hr discharge for exhausting air from lavatory & switch board cabinet Make : <b>EYYANI</b>	EDTS331, TYPE-1 CORR.-1&2	<b>01</b>
05.	Provision & mounting of Passenger area light(Cabin) Make : <b>DR AUTO</b>	RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-L & Drg no LW76090	<b>09</b>
06.	Provision & mounting of Corridor Light with Night light Make : <b>RT VISION</b>	RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-M & Drg no LW76091	<b>09</b>
07.	Provision & mounting of Doorway/ Gangway light Make : <b>RT VISION</b>	RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-N & Drg no. LW 76099	<b>06</b>
08.	Provision & Mounting of PACIL Assly. Make : <b>RT VISION</b>	RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-I Drg no. LW 76098.	<b>02</b>
09.	Provision & Mounting of Toilet indication light, Make : <b>DR AUTO</b>	RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-H1 Drg no. LW 76097.	<b>01</b>
10.	Provision & Mounting of Lavatory Light Make : <b>IMT</b>	RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-D & Drg no. LW 76092.	<b>02</b>
11.	Provision of Razor socket for WC for 110/240V. Make: <b>SSK</b>	As per EDML047,ITEM-4	<b>02</b>
12.	Terminal connector	EDML 037,Rev`a`	<b>OK</b>
13.	Provision of terminal strip with flanges	As per EDML-034 Rev -A	<b>OK</b>

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:25.01.2019

PAGE 4 OF 5

## ROLLING STOCK CERTIFICATE OF LHB/EOG/HOG AC HOT BUFFET CAR

Sr no	Description	Drg/Spec no.	Quantity per Coach
14.	Provision of Four Switch 6A/250V AC Complete With Steel Plate & Cover Frame. Make: <b>SKS</b>	As per Spec no.EDML043,CORR-1	<b>04 nos</b>
15.	Provision of Twin Switch 6A/250V,Complete With Steel Plate & Cover Frame. Make: <b>SSK</b>	As per Spec no.EDML044,REVNIL,CORR-1	<b>03 nos</b>
16.	Provision of Single Switch 16A,250V & 6/16A,250V.AC 6-Pin Shuttered Socket Compl. With Steel Plate & Cover Frame, Make: <b>SSK</b>	As per Spec no.EDML045,CORR-1	<b>06 nos</b>
17.	Provision of PA System for LHB EOG Rajdhani Rake . Make:- <b>AHUJA</b> Call box Make: <b>BOSCH</b>	As per Spec no.EDTS173,REV.A,AM-3	<b>01 set</b>
18.	Jumper Cable with Connector for PA System. Make:- <b>M.V</b>	As per drg no.LW75206,Alt' c	<b>01 set</b>
19.	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>HLB</b> Lug date : <b>11/19</b>	EDTS 129,Rev nil	<b>01 set</b>
20.	Battery box for LHB coaches. Make : <b>HITECH</b>	1 10113 0 76 700 005 w/o item 5,22 ,23 ,26 & 27.	<b>01</b>
21.	Battery fuse box +ve Make : <b>INDORAIL</b>	As per LW 71001,Alt-F	<b>01</b>
22.	Battery fuse box -ve Make : <b>RICHMOND</b>	As per LW 71002,Alt-F	<b>01</b>
23.	Emergency battery charger Make : <b>TECHNO ROVER</b> Sr no: <b>EBC/TR/07</b> Make : <b>TECHNO ROVER</b> Sr no: <b>EBC/TR/02</b>	EDTS 163,Rev `c' corg.-2&3	<b>02</b>
24.	Provision of capacitor Bank Make : <b>NEC</b> SL.no: <b>2020097186</b>	As per EDML-130 Rev-1,Corr-1	<b>01</b>
25.	60KVA transformer Make : <b>VIMAL</b> Sr no : <b>VTC-R-3089-LHB-4129</b> Make: <b>VIMAL</b> Sr no : <b>VTC-R-3089-LHB-4019</b>	As per rds/pe/spec/ac/0080/rev-0 (2007)/Am-1&2/Corr. 1,2&3	<b>02</b>

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:25.01.2019

PAGE 5 OF 5

## ROLLING STOCK CERTIFICATE OF LHB/EOG/HOG AC HOT BUFFET CAR

Sr no	Description	Drg/Spec no.	Quantity per Coach
26.	ZS coupling 400A/750V/03Ph/50hz. Make : <b>MAA LAXMI INDUSTRIES</b>	As per spec No EDTS 105,Rev`e` Am-2	<b>01 set</b>
27.	Fitment of external supply sockets (125A/415V/IP67/5Pole with pilot contacts.) Make:- <b>JAI BALAJI</b>	As per drg no 1948036/UIV 4125-6.	<b>02</b>
28.	Feeder junction boxes. Make : <b>AECO</b>	EDTS-328 REV-C	<b>01 set</b>
29.	Wheel set earthing equipment. Make : <b>PRIME ELECT.</b>	EDTS101,REV-C,AM-1	<b>02 sets</b>
30.	Wheel Slide Protection System (WSP) Make : <b>KNORR</b> Sr no : <b>0120265283</b>	As per M/s Sab Webco, M/s Knorr Bremse, M/s Escorts.	<b>01 Set</b>
31.	Provision of fitment of modular Integrated Pantry unit.	As per spec no EDTS 118,REV- E,AM-2	<b>01 Set</b>
32.	Hot Plate:		<b>03</b>
(a)	Make:- <b>SUPER</b>		
(b)	Geysers Make: <b>SUPER</b>		<b>01</b>
(c)	Hot Water Boilers, Make: <b>SUPER</b>		<b>02</b>
(d)	Bottle Coolers, Make: <b>SUPER</b>		<b>01 set</b>
(e)	Deep Freezers Make: <b>SUPER</b>		<b>01 set</b>
(f)	Hot Case, Make: <b>SUPER</b>		<b>01 set</b>
(g)	Chimneys, Make: <b>SUPER</b>		<b>03</b>
h)	Oven Toaster Griller Make: <b>BAJAJ</b>		<b>01</b>
(i)	Refrigerator Make: <b>SAMSUNG</b>		<b>01</b>
(j)	Insect Killer Make: <b>PROVIDED BY HINDUSTAN</b>		<b>02</b>
(K)	Water purifier (RO) Make: <b>PROVIDED BY HINDUSTAN</b>		<b>01</b>

<p>वरिष्ठ विद्युत अभियन्ता गुणवत्ता नियंत्रण आ0रे0डि0का0 / लालगंज / रायबरेली S.S.E./Elect-QC/M.C.F./LLJ/RBL</p>	<p>AWM(ELECT.)/MCF/RBL SEE(P)/MCF/RBL वरिष्ठ विद्युत अभियन्ता रेल कोच फैक्टरी, रायबरेली, Sr. Electrical Engineer / RCF / RBL</p>
---	--

