



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/2019-20/1297

RLY	CR	COACH NO	199459/C	DISPATCH TO	SSE/STOCK/CR/PUNE	DATE OF DISPATCH	21.12.2019
Type	LWACCW	Shell No.	93358			FUR.NO.	L2T(T)-109

1. Railway Board's Order No. : 2019/M(C)/142/2, DATED-18.12.2019
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 2250mm to 2510mm.
- 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 RAIL COACH COMPONENTS IND.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 1098/1099

6. TRACEABILITY OF SHELL ITEMS:

S NO	ITEM	MAKE/SUPPLIER	SERIAL NO
1	Under frame	Front PP END	M/S-ECBT
		Part NPP END	M/S-ECBT
		Complete	M/S-ECBT
			294
2	Lav. side wall	M/S-R.TECH KXH	LAV.1
		M/S-R.TECH KXH	LAV.2
3	Side wall	LH SIDE	LAV.3
		RH SIDE	LAV.4
4	End wall	PP END	CONTRACTOR V4U
		NPP END	CONTRACTOR V4U
5	Roof	PP END	213/01
		NPP END	213/02
6	Centre Buffer Coupler	MCF/RBL	
		MCF/CONT.	
		M/S-FRONTIER LTD	18
		PP	142P1
		NPP	95P1

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 ² .	6 - 10 sec.	08 sec
		Max. pressure in BC	3.0 ± 0.15 kg/cm ² .	3.0 kg/cm ²
		All Brake are applied	OK	OK
2	Insensitivity	Exhaust BP @ 0.3 kg/cm ² /min.	No brake application	OK
3	Sensitivity	Exhaust BP @ 0.1 kg/cm ² /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	NEROLAC	M/S-K.NEROLAC	90/88	23-10-2019
2	Insulation			Satisfactory		

Signature
SSE/QC/MCF/RBL
गुणवत्ता विभाग
रेडिओका, 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/2019-20/1297

RLY	C	R	-	Coach No.	1	9	9	4	5	9	/	C	-	DATE OF DISPATCH	2	1	1	2	2	0	1	9
-----	---	---	---	-----------	---	---	---	---	---	---	---	---	---	------------------	---	---	---	---	---	---	---	---

DISPATCH	SSE/STOCK/CR/PUNE	Type	L	W	A	C	C	W	Shell No.	9	3	3	5	8	FUR .NO	L2T-T-109
----------	-------------------	------	---	---	---	---	---	---	-----------	---	---	---	---	---	---------	-----------

9. DETAIL OF BOGIES:

ITEMS	NPP Side				PP Side			
Bogie No	192611				192612			
Bogie Type	FIAT				FIAT			
Frame no.	RBL -1747				RBL -2104			
Bolster no.	APEX-53				APEX-52			
Axle No	19 S -0961 RWF		19 P - 3060 RWF		19 S -9311 RWF		19 S -7665 RWF	
Wheel Dia	917.466	917.574	917.498	917.555	917.482	917.557	917.465	917.485
Wheel Disc No	TZ 07-19 64326-9RK7	TZ 07-19 71272-9RS7	TZ 07-19 76853-9RR6	TZ 08-19 72709-9RK7	TZ 07-19 71275-9RK8	TZ 07-19 68791-9RQ6	TZ 07-19 70584-9RN6	TZ 07-19 66713-9PI7
R.B. Nos.	08-19 28268	09-17 36777	08-19 28266	10-19 39465	08-18 28261	08-19 28643	08-19 28552	08-19 29459
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.	CMFSK11-19-5045-112-160	CMAFJ01-19-1913-127	CMFSK11-19-5045-112-150	CMAFJ01-19-9519-208	CMRSK01-18-8335-44	CMAFJ01-19-9513-232	CMRSK01-18-8335-50	CMAFJ01-19-9513-190
Compressed Ht. at Tested Load	512	468	510.5	468	510	463	510	468
Alignment deviation (mm)	8	5	8	5	23	10	13	16

11. TRACEABILITY OF BOGIE ITEMS :-

S. NO	ITEM	MAKE/SUPPLIER	SERIAL NO.	
			NPP SIDE	PP SIDE
1.	Yaw Damper	KBI	16394,19387	19384,16396
2.	Primary outer Spring	CMAFJ	05-19 7411 (314,300,308,306)	05-19 7411 (297,303,320,317)
3.	Primary Inner Spring	CMRSK	01-18 02Y(2215,1217,1499,1442)	01-18 02Y(1956,20738,1845,1350)
4.	Primary Damper	KONIC	03-19 (05297,04458,03807,04489)	03-19 (05700,04696,04897,03767)
5.	Secondary Damper	KONIC	04-19 (04012,03914)	04-19 (03940,3936)
6.	Lateral Damper	IAI	05-19 251385	05-19 251096
7.	Brake Cylinder	KBI	B (3314,9283,8326,9270)K-29	B(9303,8225,8334,9290)K-29
8.	Brake Caliper	KBI	B (6257,6381,6378,6254)K-29	B (6256,6375,6380,6255)K-29
9.	Brake Disc	FAV	10-19-(3032,3031,4552,4549)D-133561-300	10-19-(3034,3033,3004,3003)D-133561-300
10.	Ball Joint Control Arm	GMT		
11.	Lateral Bump Stop	GMT		
12.	Traction Centre make	SARITA		
13.	Traction lever make	AEW		
14.	Ball joint traction lever	ARYAN		
15.	Ball joint traction centre	GMT		
16.	Secondary Rubber Pad	AR		
17.	Rubber Spring	GMT		
18.	Anti roll bar Make	EMSON		
19.	Roll Link make	SARITA/ GMT		
20.	Fork make	RNG		
21.	Control Arm Upper	PACL	353-22,258.18,356-7,353-2	357-4,356-21,357-11,258-25
22.	Control Arm Lower	PACL	218,118,323,139	PACL
23.	Phonic Wheel	ESCORT	ESCORT	ESCORT

Note:-

Signature of SSE/Bogie/QC



Modern Coach Factory Raebareilly
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/2019-20/1297

RLY	CR	COACH NO	199459/C	DATE OF DISPATCH	21.12.2019
Type	LWACCW	Shell No.	93358	DISPATCH TO	SSE/STOCK/CR/PUNE
				FUR.NO.	L2T(T)-109

12. TRACEABILITY OF FURNISHING ITEMS:

S NO	ITEM	MAKE/SUPPLIER	SERIAL NO(NPP/PP)
1	Air Brake Module	M/S-KBI	3829-38/19
2	Distribution valve	M/S-KBI	2019J9029
3	Pull box	M/S-KBI	
4	FIBA	NA	
5	Foot Step	M/S-HITECH INCREAVENTURE PVT RBL	
6	Decoupling arrangement	M/S-ELASTOMER LINING WORKS, MUMBAI	
7	Floor board	M/S-TWPL MUMBAI	
8	PVC	M/S PREMIER POLYFILM, GZB	
9	UIC Vestibule (PPE)	M/S-SUNCREST KOLKATA	
10	UIC Vestibule (NPPE)	M/S-SUNCREST 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- SHATABDHI SAFETY GLASS, VADODARA	
14	Emergency Window	M/S- SHATABDHI SAFETY GLASS, VADODARA	
15	Lavatory/hopper Window	M/S- SHATABDHI SAFETY GLASS, VADODARA	
16	Roof Ceiling	M/S-MOBILITY SOLUTION LTD MOHALI	
17	Door way /gang way ceiling	M/s- GANDHI SAFE & ALLIED INDUS. JUC	
18	Supply Air Duct	M/S-RAIL COACH ENGG KXH	
19	Partition panel	M/S-RAIL TECH KXH	
20	Partition pillar	M/S-SIDHU INTERNATIONAL KXH	
21	Side Wall panel	M/S- H.F.GLASS VADODARA	
22	AC Trough	M/S-MEENA FIBER (NPP),MSL (PP)	
23	Body Side Doors	M/S- JBM INDUSTRIES, FARIDABAD	
25	Compartment Door (PPE)	M/S-HANSPAL TRADERS KXH	
26	Compartment Door (NPPE)	M/S-HANSPAL TRADERS KXH	
27	Vestibule Door(PPE)	M/S- JBM INDUSTRIES, FARIDABAD	
28	Vestibule Door(NPPE)	M/S- JBM INDUSTRIES, FARIDABAD	
29	RMPU	M/S-AMIT ENGG PKL	
30	Bio Tank	M/S-JSL LIFESTYLE LTD GURGAON	
31	Auxiliary Water Tank	M/S-AMIT ENGG MOHALI	
32	Under Slung Water Tank (2X685L)	M/S-AMIT ENGG BADDI	
33	Under Slung Water Tank (1x450 L)	M/S-AMIT ENGG BADDI	
34	Health Faucet	M/S-BAHREEN FIBRE GLASS CHITTOR	
35	Lotah Filler Tap	M/S-JAQUAR PVT,LTD ALWAR	
36	Bib cock	M/S-JAQUAR PVT,LTD ALWAR	
37	Lavatory Modules	M/S-BAHREEN FIBRE GLASS CHITTOR	
38	Lavatory Doors	M/S-BAHREEN FIBRE GLASS CHITTOR	
39	Fire Extinguisher	M/S-DEVIKA FIRE SAFETY	905,913
40	Automatic smoke & heat Detection with alarm System	M/S-SANROK ENT. FARIDBAD	
41	Seat & Berth	M/S-ANANYA RCC INDS LLJ	
42	Light Luggage Rack	M/S-LUCKY ENT.GURGAON	
43	Snack Table	M/S-DLJM NOIDE	
44	RFID	M/S-ID TECH	105666,105465

Signature
SSE/QC/MCF/RBL
वरिष्ठ निरीक्षक

गुणवत्ता विभाग
रेडिंक, रायबरेली (लालगंज)





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/2019-20/1297

RLY	CR	COACH NO	199459/C			DATE OF DISPATCH	21.12.2019
Type	LWACCW	Shell No.	93358	DISPATCH TO	SSE/STOCK/CR/PUNE	FUR.NO.	L2T(T)-109

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
वरिष्ठ गुणवत्ता विभाग

SME/AME/QC/MCF/RBL
वरिष्ठ गुणवत्ता विभाग

Dy.CQM/MCF/RBL
वरिष्ठ गुणवत्ता विभाग

गुणवत्ता विभाग
रेडिओका, रायबरेली (लालगंज)

आधुनिक रेल डिब्बा कारखाना, रायबरेली
Modern Coach Factory Raebareli

उप मुख्य गुणवत्ता प्रबन्धक
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:18.01.2017

PAGE 1 OF 5

FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF LHB/EOG/HOG 2T AC COACHES

ELECTRICAL TEST CERTIFICATE FOR LHB/EOG/HOG AC COACHES

ELECTRICAL TEST CERTIFICATE FOR LHB/EOG/HOG AC COACHES							
TYPE COACH		LWACCW		SHELL/COACH NO		199459/C	
RAILWAY		CR	ELECT.FIT DATE		13-12-2019	FUR.NO	2T-T-109
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						OK
3.0	AIR DELIVERY MEASUREMENT			OBSERVED VALUE			
3.1	Fresh Air			20.19	Cub mtr/min		
3.2	Return Air			75.91	Cub mtr/min		
3.3	Exhaust Air			6.27	Cub mtr/min		
3.4	Conditioned Air			166.22	Cub mtr/min		
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. Not done due to Ambient temp. below 22°C						----
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



Modern Coach Factory Raebareli
आधुनिक रेल डिब्बा कारखाना, रायबरेली

DOC NO.: MCF/RBL/QEF/8001

REV NO: 00

DATE:18.01.2017

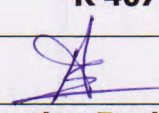
PAGE 2 OF 5

FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF LHB/EOG/HOG 2T AC COACHES

ELECTRICAL TEST CERTIFICATE FOR LHB EOG HOG AC COACHES

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	BERTH READING LIGHTS	OK
11.0	COMPARTMENT LIGHT	OK
12.0	PUBLIC ADDRESSING SYSTEM (PAS)	OK
13.0	WHEEL SLIDE PROTECTION SYSTEM (WSP)	OK
14.0	WORKING OF 60KVA TRANSFORMER	OK
15.0	WORKING OF REGULATED BATTERY CHARGER	OK
16.0	WORKING OF EMERGENCY BATTERY CHARGER	OK
17.0	SAFETIES :	
17.1	THERMOSTAT :	OK
17.2	ROTARY 07 SET POINTS (NORMAL CONDITION)	OK
17.3	MID SET POINTS (SENSORS FAILED CONDITIONS)	OK
17.4	HYGROSTAT	OK
17.5	CONTROL CIRCUIT	OK
17.6	POWER CIRCUIT	OK
18.0	REFRIGERANT USED R 407C	OK


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

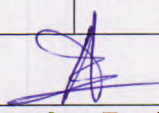
REV NO: 00

DATE:18.01.2017

PAGE 3 OF 5

ROLLING STOCK CERTIFICATE OF LHB/EOG/HOG 2T AC COACHES

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) 4106 J Sr no of RMPU 2(PP side): 4197 J Sr no of Microprocessor: AE 19.11.043	As per rdso/pe/spes/ac/0061/rev-1/2005	02
02.	Switch board cabinet Make : NEC SWITCHGEARS & CONTROLS Sr no : 2019100561	As per spec no .EDTS073,REV-D,AM-6	01
03.	Pump equipment with PLC controller& pump box Make: DR AUTO Sr no PA: 2019/11/0079 Sr no.1: 19100107 Sr no.2: 19100110 Srno.CPA: 2019/11/0004-DR AUTO	As per spec EDTS 186,Rev-a, Am-2	01
04.	Double inlet centrifugal blower 415V/03Ph /50Hz /120W/450 cummtr/hr discharge for exhausting air from lavatory & switch board cabinet Make : ECOFIT	EDTS331, TYPE-1 CORR.-1&2	02
05.	Passenger area Light(Cabin) Make: DR AUTO	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-L	09
06.	Corridor Light with Night light Make: DR AUTO	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-M	09
07.	Doorway/Gangway light, Make: RT VISION	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-N	06
08.	Emergency light system for EOG type coaches (AEL)Make: INTEG ELECT.	EDTS 151,Rev -c Am-1 & 2	04
09.	Lavatory light fitting assly Make: K.LITE	LW 76001,Alt nil	04
10.	Toilet indication (WC) light, Make: DR AUTO	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-H1	04


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:18.01.2017

ROLLING STOCK CERTIFICATE OF LHB/EOG/HOG 2T AC COACHES

PAGE 4 OF 5

Sr no	Description	Drg/Spec no.	Quantity per Coach
11.	Reading light for longitudinal berth (LHS) Make: DR AUTO	As per RDSO/PE/SPEC/TL/0091- 2016,REV-01, TYPE-F1	9
12.	Reading light for upper berth Make: RT VISION	As per RDSO/PE/SPEC/TL/0091- 2016,REV-01, TYPE-F2	26
13.	Reading light for transverse berth (RHS) Make: DR AUTO	As per RDSO/PE/SPEC/TL/0091- 2016,REV-01, TYPE-F3	8
14.	Reading light for berth transverse (LHS) Make: DR AUTO	As per RDSO/PE/SPEC/TL/0091- 2016,REV-01, TYPE-F4	9
15.	Passenger alarm coach indication light Make: KAVERI	LW 76005,Alt-e	02
16.	Razor socket for WC 110/240V. Make: SSK	EDML 047 ,Rev nil	04
17.	Terminal strip Make: WAGO	EDML 033,Rev-c	01
18.	Terminal connector Make: WAGO	EDML 037,Rev`a`	04
19.	Single switch 06A/250V/AC ONE WAY ,complete with steel plate & cover frame Make: SSK	EDML 047,Rev_C, Item 1.	09
20.	Single switch 06A/250V/AC ONE WAY complete with steel plate & cover frame Make: SSK	EDML 047,Rev_A ,Item 2.	09
21.	Switch socket combined 5PIN (06A, 250V AC) along with 1A glass fuse fitted powder coated steel plate & cover frame Make: SSK	EDML 0,64,Rev-B, Item -16.	09
22.	PA system for LHB coaches Make : AHUJA	EDTS 173 Rev- a Am-1,2&3	01 set

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:18.01.2017

PAGE 5 OF 5

ROLLING STOCK CERTIFICATE OF LHB/EOG/HOG 2T AC COACHES

Sr no	Description	Drg/Spec no.	Quantity per Coach
23.	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 : 7/19	EDTS 129,Rev nil	01 set
24.	Battery box for LHB coaches. Make: ANKUR	As per drgno 1 10113 0 76 700 005,Alt C	01
25.	Battery fuse box +ve Make : ISGPL	LW 71001,Alt-F	01
26.	Battery fuse box -ve Make : SSK	LW 71002,Alt-F	01
27.	Regulated battery charger(RBC CUM EBC) Make : PI ENGG.WORKS Sr no: PI-19110186	RDSO/PE/SPEC/AC/0183 (REV '1')	01
28.	5KVA Transformer Make: BHASIN SL.no : 09189980	As Per EDTS-366,REV-NIL & CC-71510	01
29.	Capacitor Bank Make: NEC SWITCHGEARS & CONTROLS SL.no : 2019100628	As per EDML-130 Rev-1,Corr-1	01
30.	60KVA transformer Make : VIMAL Sr no : VTC-R-3089 LHB-2184	As per rdso/pe/spec/ac/0080/rev-0 (2007)/Am-1&2/Corr. 1,2&3	01
31.	ZS coupling 400A/750V/03Ph/50hz. Make : PRIME ELECT.	As per spec No EDTS 105,Rev`e` Am-2	02 sets
32.	Feeder junction boxes. Make : MAA LAXMI INDUSTRIES	EDTS-328 REV-C	02
33.	Wheel set earthing equipment. Make : DARSHAN ENTERPRISES	EDTS101,REV-C,AM-1	02
34.	Wheel Slide Protection System (WSP) Make: KNORR Sr no : 0119121544	M/s : KNORR	01 set
35.	PANTRY EQUIPMENTS : Hot Case, Bottle cooler cum deep freezer Make : NIL	As per spec no EDTS 139, Rev- E ,Sec II.	00

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