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/2019-20/839

RLY	C	R	-	Coach No.	1	9	6	9	0	2	/	C	DATE OF DISPATCH	3	0	-	0	9	-	1	9

DISPATCH TO	SSE/STOCK/CSTM	Type	L	W	A	C	C	W	Shell No.	9	3	2	5	4	FUR.NO.	L2T(T)-85

1. Railway Board's Order No. : **2019/M(C)/142/2, Dated- 03.06.2019**
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 to2510mm.
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 & Faiveley) letter no. MC/LHB/Brake, Dated 27.09.2018
F - **RFID (** Radio frequency identification) fitted for traceability of coach

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	1) 1103 (NPPE) 2) 1105 (PPE)

6. TRACEABILITY OF SHELL ITEMS:

S NO	ITEM		MAKE/SUPPLIER		SERIAL NO			
1.	Under frame	Front Part	PP END	M/S- TACPL	52/87			
			NPP END	M/S- TACPL	52/87			
		Complete	M/S- TACPL		52/87			
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	MCF/RBL(CONTRACTOR V4U)		183/01			
		RH SIDE	MCF/RBL(CONTRACTOR V4U)		183/01			
4.	End wall	PP END	M/S- RAIL TECH, KXH		---			
		NPP END	M/S- RAIL TECH, KXH		---			
5.	Roof		M/S – ECBT		47			
6.	Centre Buffer Coupler		M/S- FRONTIER LTD.		PP END	67P1	NPP END	145P1

7. AIRBRAKE 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. ➢ Max. pressure in BC ➢ All Brake are applied	6 – 10 sec. 3.0 ±0.15 kg/cm². OK	08 sec. 3.0 kg/cm² 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	M/S –BERGER	(SUPPLY & APPLY)	90/88	12.09.19
2.	Insulation	Satisfactory				

वरि०अनु० अभियंता
SSE/QC/MCF/RBL
आ०डि०का०, रायबरेली (लालगंज)

MCF/RBL

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/2019-20/839

RLY	C	R	-	Coach No.	1	9	6	9	0	2	/	C	-	DATE OF DISPATCH	3	0	0	9	2	0	1	9

DISPATCH	SSE/STOCK/CSTM	Type	L	W	A	C	C	W	Shell No.	9	3	2	5	4	FUR .NO	L2T-T-85

9. DETAIL OF BOGIES:

ITEMS	NPP Side				PP Side			
Bogie No	191214				191213			
Bogie Type	FIAT				FIAT			
Frame no.	WIL-406				WIL-424			
Bolster no.	SCI-250				SCI-217			
Axle No	19 R – 7276 RWF		19 R – 2607 RWF		19 R – 3027 RWF		19 R – 3398 RWF	
Wheel Dia.	917.537	917.673	917.564	917.673	917.458	917.677	917.471	917.662
Wheel Disc No	TZ 03-19 30436-9MK5	TZ 06-19 58194-9QI3	TZ 06-19 57654-9QI9	TZ 06-19 53350-9PD9	TZ 06-19 57288-9QI0	TZ 06-19 57287-9QI0	TZ 06-19 52250-9PJ6	TZ 03-19 30435-9MK5
R.B. Nos.	07-19-18732	07-19-18107	07-19-18005	07-19-18106	07-19-18598	07-19-18807	07-19-19238	07-19-18531
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. Sr.NO.19-08 2862	TAYAL & CO. Sr.NO.19-08 2855	TAYAL & CO. Sr.NO.19-08 2873	TAYAL & CO. Sr.NO.19-08 2861

11. TRACEABILITY OF BOGIE ITEMS :-

S. NO	ITEM	MAKE/ SUPPLIER	SERIAL NO.	
			NPP SIDE	PP SIDE
1.	Yaw Damper	KNORR	21009,21006	20945,30934
2.	Primary outer Spring	CMAFJ	05-19 7411(177,110,174,114)	05-19 7411(109,113,92,117)
3.	Primary Inner Spring	CMFSK	05-19 7143-559(1157,1387,1211,1457)	05-19 7143-559(1308,1244,1209,1138)
4.	Primary Damper	KONI	03-19 (01892,02921,06182,06192)	03-19 (01991,03149,00352,04253)
5.	Secondary Damper	KONI	04-19 (06903,06902)	04-19 (06877,06646)
6.	Lateral Damper	GABRIEL	11-18 1225	11-18 1227
7.	Brake Cylinder	FAV	(D19-578,E19-460,320,509)	(C19-454,E19-534,482,D19-579)
8.	Brake Caliper	FAV	E19(1905,1902,1689,1691)B	E19(1964,1963,1903,1904)B
9.	Brake Disc	KBI	24193644 0036-28/19,24193644 0069-28/19 24193649 0026-28/19,24193644 0067-28/19	24185216 0055-16/19,24185216 0056-16/19 24193647 0080-28/19,24193647 0079-28/19
10.	Ball Joint Control Arm	AR		
11.	Lateral Bump Stop	AR		
12.	Traction Centre make	SARITA		
13.	Traction lever make	SARITA		
14.	Ball joint traction lever	AR		
15.	Ball joint traction centre	AR		
16.	Leveling Valve	KNORR	**06-19 A 10359,06-19 A 10037**	**06-19 A 10217,06-19 A 10199**
17.	Check Valve	KNORR	**02-19 16531**	**02-19 16650**
18.	Anti roll bar Make	EMSON		
19.	Roll Link make	SARITA/AR		
20.	Fork make	EMSON		
21.	Control Arm Upper	NIPHA	0234,0190,0057,0049	0049,0007,0127,0107
22.	Control Arm Lower	NIPHA	0234,0218,0187,0508	0005,0214,0132,284
23.	Phonic Wheel	KNORR	K-07-19	K-07-19

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/2019-20/839

RLY	C	R	-	Coach No.	1	9	6	9	0	2	/	C	DATE OF DISPATCH	3	0	-	0	9	-	1	9

DISPATCH TO	SSE/STOCK/CSTM	Type	L	W	A	C	C	W	Shell No.	9	3	2	5	4	FUR.NO.	L2T(T)-85

12. TRACEABILITY OF FURNISHING ITEMS:

S NO	ITEM	MAKE/SUPPLIER	SERIAL NO
1.	Air Brake Module	M/S -FAIVELY TRANS. TECH.INDIA LTD BADDI(HP)	D19061B
2.	Distribution valve	M/S -FAIVELY TRANS. TECH.INDIA LTD BADDI(HP)	19025659B
3.	Pull box	M/S- KBI, FARIDABAD	
4.	FIBA	M/S- KBI, FARIDABAD	PP-7552 NPP-7633
5.	Foot Step	M/S- SUPER SPARK PVT.LTD.FARIDABAD	
6.	D-coupling arrangement	M/S- KOHINOOR KR, MUMBAI	
7.	Floor board	M/s- T.W.P.L. INDUS. MUMBAI	
8.	PVC	M/S RESPONSIVE IND.MUMBAI	
9.	UIC Vestibule (PPE)	M/S-SUNCREST IND.KOLKATA	
10.	UIC Vestibule (NPPE)	M/S-SUNCREST IND.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- BIRKON ENGG.GZB	
14.	Emergency Window	M/s- BIRKON ENGG.GZB	
15.	Hopper Window	M/S- SHATABDHI SAFETY GLASS, VADODARA	
16.	Roof Ceiling	M/s-MSL (MOBILITY SOLUTION LTD.) MOHALI	
17.	Door way /gang way ceiling	M/s-GANDHI SAFE INDS.JALNDHAR	
18.	Automatic smoke & heat Detection with alarm System	M/S- SANROK ,FARIDABAD	
19.	Supply Air Duct	M/S- P.D.STEELS PKL	
20.	Partition panel	M/S- UNIVERSAL METAL TEK, NOIDA	
21.	Partition pillar	M/S- SIDHU IND.CORPORATION KXH	
22.	Side Wall panel	M/s- HINDUSTAN FIBER GLASS, VADODRA	
23.	AC Trough	M/s- MEENA FIBER GLASS INDUS. PUDUCHERY	
24.	Body Side Doors 1,3	M/s- JVR INDS, LUDHIYANA	
25.	Body Side Doors 2,4	M/S- SUKATA TRACTOR PARTS PVT.LTD. CDG	
26.	Compartment Door (PPE)	M/S- HANSPAL TRADERS, KXH	
27.	Compartment Door (NPPE)	M/S- HANSPAL TRADERS, KXH	
28.	Vestibule Door(PPE)	M/S- HANSPAL TRADERS, KXH	
29.	Vestibule Door(NPPE)	M/S- HANSPAL TRADERS, KXH	
30.	Bio Tank	M/S- OMAX AUTO PVT.LTD GURGAON	
31.	Auxiliary Water Tank	M/s- AMIT ENG. MOHALI	
32.	Under Slung Water Tank (2X685L)	M/s- AMIT ENG. BADDI	
33.	Under Slung Water Tank (1x450 L)	M/s- AMIT ENG. BADDI	
34.	Health Faucet	M/S-ARHAM HI-TECH DEG. SOLUTION PVT.LTD. MUMBAI	
35.	Lotah Filler Tap	M/S-ARHAM HI-TECH DEG. SOLUTION PVT.LTD. MUMBAI	
36.	Bib cock	M/s- JAQUAR PVT.LTD.ALWAR	
37.	Lavatory Modules	M/S-ARHAM HI-TECH DEG. SOLUTION PVT.LTD. MUMBAI	
38.	Lavatory Doors	M/S-ARHAM HI-TECH DEG. SOLUTION PVT.LTD. MUMBAI	
39.	Fire Extinguisher	M/S-ASHOKA ENG.	PP-3471-NPP-3474
40.	Seat & Berth	M/S ANANYA RAIL COACH COMPONENTS IND LALGANJ	
41.	Light Luggage Rack	M/S- LUCKY ENT. GUNGAON	
42.	Snack Table	M/S- INTERNATIONAL TRACTORS LTD. JALNDHAR	
43.	RFID	M/S-TECH SOLUTION PVT LTD	Sr.104987,104988

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SSE/QC/MCF/RBL
वै0अ0का0, रायबरेली (लालगंज)

MCF/RBL

	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/2019-20/839

RLY	C	R	-	Coach No.	1	9	6	9	0	2	/	C	DATE OF DISPATCH	3	0	-	0	9	-	1	9

DISPATCH TO	SSE/STOCK/CSTM	Type	L	W	A	C	C	W	Shell No.	9	3	2	5	4	FUR.NO.	L2T(T)-85

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 30 months 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 date of 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.

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2T-T-85

Modern Coach Factory Raebareli आधुनिक रेल डिब्बा कारख़ाना, रायबरेली	DOC NO.: MCF/RBL/QEF/8001 REV NO: 00 DATE:18.01.2017

FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF LHB/EOG 2T AC COACHES

ELECTRICAL TEST CERTIFICATE FOR LHB/EOG AC COACHES

TYPE COACH	**LWACCW**	**SHELL/COACH NO**	**196902/C**
RAILWAY	**CR**	**DATE OF DESPATCH**	

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 PREACTICE 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	**19.72** Cub mtr/min	OK
3.2	Return Air	**79.46** Cub mtr/min	OK
3.3	Exhaust Air	**7.26** Cub mtr/min	OK
3.4	Conditioned Air	**155.76** 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 :**20.1 ^{0}C** NPP Side :**21.2 ^{0}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

FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF LHB/EOG 2T AC COACHES

ELECTRICAL TEST CERTIFICATE FOR LHB EOG 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
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ROLLING STOCK CERTIFICATE OF LHB/EOG 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) **3740 D** Sr no of RMPU 2(PP side): **3942 H** Sr no of Microprocessor: **AE 19.06.553**	As per rdso/pe/spes/ac/0061/rev-1/2005	**02**
02.	Switch board cabinet Make : **AMIT ENGG.** Sr no : **AE/SB-924**	As per spec no .EDTS073,REV-D,AM-6	**01**
03.	Pump equipment with PLC controller& pump box Make: **DR AUTO** Sr no PA: **2019/08/0017** Sr no.1: **4804** Sr no.2: **4816** Srno.CPA: **NIL-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 :**INTEG**	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: **RT VISION**	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: **DR AUTO**	EDTS 151,Rev –c Am-1 & 2	**04**
09.	Lavatory light fitting assly Make: **RT VISION**	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**

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ROLLING STOCK CERTIFICATE OF LHB/EOG 2T AC COACHES

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: **DR AUTO**	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**

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ROLLING STOCK CERTIFICATE OF LHB/EOG 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 : **07/19**	EDTS 129,Rev nil	**01 set**
24.	Battery box for LHB coaches. Make: **HITECH**	As per drgno 1 10113 0 76 700 005,Alt C	**01**
25.	Battery fuse box +ve Make : **RADIANT**	LW 71001,Alt-F	**01**
26.	Battery fuse box –ve Make : **RADIANT**	LW 71002,Alt-F	**01**
27.	Regulated battery charger Make : **EEC** Sr no: **01190012**	RDSO/PE/SPEC/AC/0183 (REV -0)	**01**
28.	Emergency battery charger Make : **M.B & COMPANY** Sr no: **201908402**	EDTS 163,Rev `c' corg.-2&3	**01**
29.	5KVA Transformer Make: **VIMAL** SL.no : **VTC 3089 LHB-1058**	As Per EDTS-366,REV-NIL & CC-71510	**01**
30.	Capacitor Bank Make: **KONTACT** SL.no :**KT-1004**	As per EDML-130 Rev-1,Corr-1	**01**
31.	60KVA transformer Make :**VIMAL** Sr no :**VTC-R-3089 LHB-1539**	As per rdso/pe/spec/ac/0080/rev-0 (2007)/Am-1&2/Corr. 1,2&3	**01**
32.	ZS coupling 400A/750V/03Ph/50hz. Make : **PRIME ELECT.**	As per spec No EDTS 105,Rev`e' Am-2	**02 sets**
33.	Feeder junction boxes. Make : **NEC**	EDTS-328 REV-C	**02**
34.	Wheel set earthling equipment. Make : **DARSHAN ENTERPRISES**	EDTS101,REV-C,AM-1	**02**
35.	Wheel Slide Protection System (WSP) Make: **FAIVELEY** Sr no : **06/19/168**	M/s : **FAIVELEY**	**01 set**
36.	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	**AWM(ELECT.)/MCF/RBL** **SEE(P)/MCF/RBL**
वरिष्ठ अनुभाग अभियन्ता गुणवत्ता नियंत्रण आ0रे0डि0का0 / लालगंज / रायबरेली S.S.E./Elect-QC/M.C.F./LLJ/RBL	वरिष्ठ विद्युत अभियन्ता रैल कोच फैक्टरी, रायबरेली, लखनऊ Sr. Electrical Engineer / RCF / RBL / Lucknow