



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/2019-20/691

RLY	N	W	R	-	Coach No.	1	9	6	2	7	3	/	C	DATE OF DISPATCH	0	9	-	0	9	-	1	9
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DISPATCH TO	Sr.DME/C&W/JP	Type	L	W	A	C	C	W	Shell No.	9	3	1	1	8	FUR.NO.	L2T(T)-50
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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 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 & 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) 1101 (NPPE) 2) 1098 (PPE)

6. TRACEABILITY OF SHELL ITEMS:

S NO	ITEM	MAKE/SUPPLIER	SERIAL NO
1.	Under frame	Front PP END M/S- SFPL	4/19
		Part NPP END M/S- SFPL	4/19
		Complete MCF/RBL(CONTRACTOR V4U)	93118
2.	Lav. side wall	M/S- RAIL FAB, KXH	LAV.1 - LAV.2 -
		M/S- RAIL FAB, KXH	LAV.3 - LAV.4 -
3.	Side wall	LH SIDE MCF/RBL	470/01
		RH SIDE MCF/RBL	470/02
4.	End wall	PP END M/S- RAIL TECH, KXH	---
		NPP END M/S- RAIL TECH, KXH	---
5.	Roof	M/S -PIL	49
6.	Centre Buffer Coupler	M/s- FRONTIER	PP END 46P1 NPP END 54P1

7. AIRBRAKE TEST REPORT:

S NO	ITEM	DESCRIPTION	SPEC. VALUE	OBSERVED
1.	Full brake application	<ul style="list-style-type: none"> ➤ 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/cm ² . OK	09 sec. 3.0 kg/cm ² 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	M/S -VIBGYOR	(SUPPLY & APPLY)	90/90	05.05.19
2.	Insulation			Satisfactory		

वरिष्ठ अनुसंधान
गोपनीय विभाग
SSE/QC/MCF/RBL
१६ डिसेंबर, रायबरेली (मालगज)



MODERN COACH FACTORY, RAEBARELI

आधुनिक रेल डिब्बा कारखाना, रायबरेली

DOC NO.: MCF/RBL/QMF 8002

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DISPATCH	Sr.DME/C&W/JP	Type	L	W	A	C	C	W	Shell No.	9	3	1	1	8	FUR .NO	L2T-T-50
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9. DETAIL OF BOGIES:

ITEMS	NPP Side				PP Side			
Bogie No	196019				196020			
Bogie Type	FIAT				FIAT			
Frame no.	Vs-1279				VS-1276			
Bolster no.	VS-585				VS-587			
Axle No	19 P-1349 RWF		19 P-2298 RWF		19 P-2447 RWF		19 R-2724 RWF	
Wheel Dia	917.593	917.613	917.588	917.623	917.571	917.579	917.552	917.572
Wheel Disc No	TZ 03-19 32351-90E9	TZ 04-19 40620-90E7	TZ 04-19 34364-90F1	TZ 05-19 43882-9PG2	TZ 05-19 49817-9PG3	TZ 04-19 40627-90E2	TZ 04-19 40761-90J6	TZ 05-19 50775-9PG6
R.B. Nos.	07-19 17172	07-19 16099	06-19 12066	06-19 12991	07-19 15971	06-19 12854	06-19 13467	07-19 15481
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.	CMRSK08-14-F18-R19-65	CMFSK02-19-9513-499-921	CMRSK08-19-F14-R19-209	CMFSK02-19-9513-499-937	CMRSK08-19-F18-R19-68	CMFSK02-19-9513-499-910	CMRSK08-17-F14-R19-43	CMFSK02-19-9513-499-908
Compressed Ht. at Tested Load	512	466	511	467	512	468	511	468
Alignment deviation (mm)	12	8	11	8	12	10	12	10

11. TRACEABILITY OF BOGIE ITEMS :-

S. NO	ITEM	MAKE/SUPPLIER	SERIAL NO.	
			NPP SIDE	PP SIDE
1.	Yaw Damper	KNOOR	14045,14046	14046,14083
2.	Primary outer Spring	CMFSK	03-19 7411-545(1735,1726,1698,1746)	03-19 7411-545(1634,1663,1733,1730)
3.	Primary Inner Spring	CMSTL	02-19 02A(5890,5499,5503,6162)	02-19 02A(5536,5950,5863,5624)
4.	Primary Damper	KNORR	03-19 (03171,00657,03163,03100)	03-19 (00606,00599,00584,03160)
5.	Secondary Damper	IAI	01-19(238124,238076)	01-19(238004,237963)
6.	Lateral Damper	IAI	02-19 241857	02-19 241573
7.	Brake Cylinder	FAV	D19(287,204,601,341)	D19(336,587,205,189,)
8.	Brake Caliper	FAV	E19(228,226,069,071)B	E19(1639,1638,225,227)B
9.	Brake Disc	KBI	24190407 0055-23/19,24193656 0072-29/16 24193656 0073-29/19,24190407 0056-23/19	24193661 0029-29/19,24193661 0028-29/19 24190409 0034-24/19,24190408 0054-24/19
10.	Ball Joint Control Arm	GMT		
11.	Lateral Bump Stop	GMT		
12.	Traction Centre make	SARITA		
13.	Traction lever make	TAJ		
14.	Ball joint traction lever	AR		
15.	Ball joint traction centre	AR		
16.	Secondary Rubber Pad	PPI		
17.	Rubber Spring	PPI		
18.	Anti roll bar Make	EMSON		
19.	Roll Link make	SARITA/AR		
20.	Fork make	EMSON		
21.	Control Arm Upper	RVE	040619-2,250519-2,040619-2,020619-2	040619-2,280519-2,020619-2,270519-2
22.	Control Arm Lower	RVE	270519-3,270519-3,RVE,280519-3	280519-2,280519-3,020619-2,280519-2
23.	Phonic Wheel	KNORR	K-06-19	K-07-19



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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)	B 19165 B
2.	Distribution valve	M/S FAIVELY TRANS. TECH.INDIA LTD BADDI(HP)	19025693B
3.	Pull box	M/S FAIVELY TRANS. TECH.INDIA LTD BADDI(HP)	
4.	Foot Step	M/S- HITECH INR.PVT LTD RBL	
5.	D-coupling arrangement	M/S- KOHINOOR KR, MUMBAI	
6.	Floor board	M/s- TWPL MUMBAI	
7.	PVC	M/S RESPONSIVE IND.MUMBAI	
8.	UIC Vestibule (PPE)	M/S-SUNCREST IND.KOLKATA	
9.	UIC Vestibule (NPPE)	M/S-SUNCREST IND.KOLKATA	
10.	Gangway bridge mounting (PPE)	M/s- MAHAVEER METAL WORKS, KXH	
11.	Gangway bridge mounting (NPPE)	M/s- MAHAVEER METAL WORKS, KXH	
12.	Body Side Window	M/S- SHATABDHI SAFETY GLASS, VADODARA	
13.	Emergency Window	M/S- SHATABDHI SAFETY GLASS, VADODARA	
14.	Hopper Window	M/S- SHATABDHI SAFETY GLASS, VADODARA	
15.	Roof Ceiling	M/s-MSL MUMBAI	
16.	Door way /gang way ceiling	M/S- AMIRCHAND ENGG.WORKS KXH	
17.	Automatic smoke & heat Detection with alarm System	M/S- SANROK ,FARIDABAD	
18.	Supply Air Duct	M/s-GANDHI SAFE & ALLIED INDS.JALNDHAR	
19.	Partition panel	M/S- UNIVERSAL METAL TEK, NOIDA	
20.	Partition pillar	M/S- J.R INDS JALNDHAR	
21.	Side Wall panel	M/s- HINDUSTAN FIBER GLASS, VADODRA	
22.	AC Trough	M/s-BHARAT FIBER , LKO	
23.	Body Side Doors 1,3	M/S- SUKATA TRACKTER PARTS PVT LTD PKL	
24.	Body Side Doors 2,4	M/S- JBM INDUSTRIES, FARIDABAD	
25.	Compartment Door (PPE)	M/s- KALSI KXH	
26.	Compartment Door (NPPE)	M/s- KALSI KXH	
27.	Vestibule Door(PPE)	M/S- JBM INDUSTRIES, FARIDABAD	
28.	Vestibule Door(NPPE)	M/S- JBM INDUSTRIES, FARIDABAD	
29.	Bio Tank	M/s- FLASH FORGE (P)LTD. VIZAG	
30.	Auxiliary Water Tank	M/s- AMIT ENG. MOHALI	
31.	Under Slung Water Tank (2X685L)	M/s- AMIT ENG. MOHALI	
32.	Under Slung Water Tank (1x450 L)	M/s- AMIT ENG. BADDI	
33.	Health Faucet	M/S-ARHAM HI-TECH DEG. SOLUTION PVT.LTD. MUMBAI	
34.	Lotah Filler Tap	M/S-ARHAM HI-TECH DEG. SOLUTION PVT.LTD. MUMBAI	
35.	Bib cock	M/s- KPR INDUSTRIES, MOHALI	
36.	Lavatory Modules	M/S-ARHAM HI-TECH DEG. SOLUTION PVT.LTD. MUMBAI	
37.	Lavatory Doors	M/S-ARHAM HI-TECH DEG. SOLUTION PVT.LTD. MUMBAI	
38.	Fire Extinguisher	M/S-ASHOKA ENG.	
39.	Seat & Berth	M/S- ORIENTAL VENEER PRODUCTS, MUMBAI	PP-4609NPP-4608
40.	Light Luggage Rack	M/S- LUCKY ENT. GUNGAON	
41.	Snack Table	M/S- INTERNATIONAL TRACTORS LTD. JALNDHAR	
42.	RFID	M/S-TECH SOLUTION PVT LTD	Sr.104167,104168

SSE/QC/MCF/RBL

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गुणवत्ता विभाग
रेडिओका, रायबरेली (जालमंत्र)





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DISPATCH TO		Sr.DME/C&W/JP			Type	L	W	A	C	C	W	Shell No.	9	3	1	1	8	FUR.NO.		L2T(T)-50		

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:

- This warranty covers free supply of parts which wear out and fails within warranty period of normal service.
- This doesn't covers faults arising out of accident, non standard maintenance practices, abnormal use or mishandling, vandal activity, arson & deficient/pilferage etc.
- 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.
- Whether a defective part is to be replaced or repaired shall be at the discretion of MCF/RBL.
- For any complain/ suggestion please Mail at qualityrcfbl@gmail.com
- 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.

SSE/QC/MCF/RBL	SME/QC/MCF/RBL	Dy.CQM/MCF/RBL

वरिष्ठ अभियंता
गुणवत्ता प्रबन्धन
आधुनिक रेल डिब्बा कारखाना, रायबरेली

वरिष्ठ सहायक अभियंता/गुणवत्ता
Senior Mechanical Engineer/Quality
आधुनिक रेल डिब्बा कारखाना, रायबरेली
Modern Coach Factory Raebareli

उप मुख्य गुणवत्ता प्रबन्धक/शेल
Dy. Chief Quality Manager/Shell
आधुनिक रेल डिब्बा कारखाना, रायबरेली
Modern Coach Factory, Raebareli



Modern Coach Factory Raebareli
आधुनिक रेल डिब्बा कारखाना, रायबरेली

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DATE: 18.01.2017

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FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF LHB/EOG 2T AC COACHES
ELECTRICAL TEST CERTIFICATE FOR LHB/EOG AC COACHES

ROLLING STOCK CERTIFICATE OF LHB/EOG 2T AC COACHES			
ELECTRICAL TEST CERTIFICATE FOR LHB/EOG AC COACHES			
TYPE COACH	LWACCW	SHELL/COACH NO	196273/C
RAILWAY	NWR	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 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	19.96Cub mtr/min	OK
3.2	Return Air	69.18Cub mtr/min	OK
3.3	Exhaust Air	7.15 Cub mtr/min	OK
3.4	Conditioned Air	180.76 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 :22.7°C NPP Side :21.7°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		--

[Signature]
Senior Section Engineer
Quality control / Electrical
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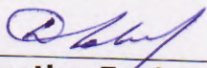
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FOR ELECTRICAL ITEMS

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


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Sr no	Description	Drg/Spec no.	Quantity per Coach
01.	Roof Mounted AC package unit for LHB AC coaches Make :SSK Sr no of RMPU 1(NPP side) 907/19 Sr no of RMPU 2(PP side): 906/19 Sr no of Microprocessor: AE 19.03.342	As per rdso/pe/spes/ac/0061/rev-1/2005	02
02.	Switch board cabinet Make :TRINITRON Sr no :18/12/TCS/RBL/3423/0184/0060	As per spec no .EDTS073,REV-D,AM-6	01
03.	Pump equipment with PLC controller& pump box Make: DR AUTOSr no PA:2019/07/0074 Sr no.1:2790 Sr no.2:2816 Srno.CPA: 2019/07/086-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:DR AUTO	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-M	09
07.	Doorway/Gangway light, Make:DR AUTO	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:DR AUTO	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

Senior Section Engineer
Quality control / Electrical
Modern Coach Factory Raebareli



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आधुनिक रेल डिब्बा कारखाना, रायबरेली

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DATE:18.01.2017

ROLLING STOCK CERTIFICATE OF LHB/EOG 2T AC COACHES PAGE 5 OF 5

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 : AECO	LW 71001,Alt-F	01
26.	Battery fuse box -ve Make : RADIANT	LW 71002,Alt-F	01
27.	Regulated battery charger Make : M.B & COMPANY Sr no: 201907283	RDSO/PE/SPEC/AC/018 3 (REV -0)	01
28.	Emergency battery charger Make : M.B & COMPANY Sr no: 201907281	EDTS 163,Rev `c` corg.- 2&3	01
29.	5KVA Transformer Make: WAVES SL.no : WLDT 5L 18421	As Per EDTS-366,REV-NIL & CC-71510	01
30.	Capacitor Bank Make: KONTACT SL.no : KT-980	As per EDML-130 Rev-1,Corr-1	01
31.	60KVA transformer Make : VIMAL Sr no : VTC-R-3089 LHB-1456	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 : MAA LAXMI INDUSTRIES	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 earthing equipment. Make : PRIME ELECT.	EDTS101,REV-C,AM-1	02
35.	Wheel Slide Protection System (WSP) Make: FAIVELEY Sr no : 10/19/388	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 वरिष्ठ अनुभाग अभियन्ता	AWM(ELECT.)/MCF/RBL DY CEE (PLG)/MCF/RBL

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आ०रे०डि०का० / लालगंज / रायबरेली
S.S.E./Elect-QC/M.C.F./LLJ/RBL

स० कार्य प्रबन्धक / विद्युत
आ०रे०डि०का० / रायबरेली
A.W.M./Electrical/MCF/RBL