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/2019-20/156

RLY	C	R	-	Coach No.	1	9	3	5	5	1	/	C	DATE OF DISPATCH	1	1	-	0	5	-	1	9

DISPATCH TO	SSE/STOCK/ CSTM	Type	L	W	A	C	C	N	Shell No.	9	3	0	1	9	FUR.NO.	L3T-1172

1. Railway Board's Order No. : **2019/M(C)/142/2, dated -03 -04-2019**
2. Tare Weight of Coach : 45.6 Tonnes
3. Carrying Capacity : (a) Seating: 72 (b) Sleeping: 72 (c) Luggage: NIL

4. 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	1) 1097 (NPPE) 2) 1105 (PPE)

5. TRACEABILITY OF SHELL ITEMS:

S NO	ITEM		MAKE/SUPPLIER		SERIAL NO			
1.	Under frame	Front Part	PP END	M/s-SFPL	65			
			NPP END	M/s-SFPL	65			
		Complete	M/s-SFPL		65			
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(CONTRACTOR V4U)		08/01			
		RH SIDE	MCF/RBL(CONTRACTOR V4U)		08/02			
4.	End wall	PP END	M/s- OMAX REWARI		---			
		NPP END	M/s- OMAX REWARI		---			
5.	Roof		M/s-DTL		148			
6.	Centre Buffer Coupler		M/S- SANROK ,FARIDABAD		PP END	12374	NPP END	12312

6. 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

7. 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	90/88	08.05.19
2.	Insulation	Satisfactory				

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गुणवत्ता विभाग
रे०डि०का०, रायबरेली (नालगंज)
SSE/QC/MCF/RBL

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/2019-20/156

RLY	C	R	-	Coach No.	1	9	3	5	5	1	/	C	-	DATE OF DISPATCH	1	1	0	5	2	0	1	9

DISPATCH	SSE/STOCK/CSTM	Type	L	W	A	C	C	N	Shell No.	9	3	0	1	9	FUR .NO	L3T-1172

8. DETAIL OF BOGIES:

ITEMS	NPP Side				PP Side			
Bogie No	190360				190359			
Bogie Type	FIAT				FIAT			
Frame no.	MCF/RBL-1962				ECBT-1503			
Bolster no.	MCF/RBL-2546				MCF/RBL-2457			
Axle No	19 L– 8784 RWF		19 M- 3471 RWF		19 M - 6206 RWF		19 M - 6000 RWF	
Wheel Dia	917.642	917.666	917.672	917.707	917.604	917.71	917.568	917.647
Wheel Disc No	TZ 06-18 36942-8PN5	TZ 12-18 16512-8WQ8	TZ 04-18 11367-8MR2	TZ 12-18 17002-8XG1	TZ 04-18 11369-8MW6	TZ 11-18 06018-8WN5	TZ 11-18 06073-8WL0	TZ 11-18 08892-8WN8
R.B. Nos.	05-18 40768	05-18 39403	05-18 12458	05-18 39449	05-18 29508	05-18 12425	05-18 29466	05-18 12168
CT R B Make	SKF		SKF		SKF		SKF	

9. 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.	CMFSK02-19-8836-529-239	CMFSK02-19-9513-439-987	CMFSK02-19-8836-529-207	CMFSK02-19-9513-439-724	CMFSK02-19-8836-529-239	CMFSK02-19-9513-439-829	CMFSK02-19-8836-529-287	CMFSK02-19-9513-439-287
Compressed Ht. at Tested Load	511	464	512	468	514.5	468	515	515
Alignment deviation (mm)	12	13	12	13	9	9	11	11

10. TRACEABILITY OF BOGIE ITEMS :-

S. NO	ITEM	MAKE/ SUPPLIER	SERIAL NO.	
			NPP SIDE	PP SIDE
1.	Yaw Damper	KBI	12399,12421	14514,12678
2.	Primary outer Spring	CMFSK	03-19 7411-545(1072,1022,1064,973)	03-19 7411-545(1034,808,774,1036)
3.	Primary Inner Spring	CMRSK	10-18 04Y(7500,7979,5984) 11-18 (6992)	10-18 04Y(7904) 11-18 (7259) 09-18 (322,6864)
4.	Primary Damper	KNORR	02-19 (54703,54712,54718,54710)	02-19 (53707,53693,53701,53692)
5.	Secondary Damper	KNORR	12-18 (13546,13396)	12-18 (13365,13498)
6.	Lateral Damper	IAI	02-19 241840	02-19 241813
7.	Brake Cylinder	FAV	C19(463,304,317,328)	C19(469,350,186,398)
8.	Brake Caliper	FAV	C19(1571,1569,1561,1563)B	C19(043,041,033,036)B
9.	Brake Disc	FAV	01-19 (2213,2216,2214,2215)D-133561-300	01-19 (1701,1702,1703,1704)D-133561-300
10.	Ball Joint Control Arm	AR		
11.	Lateral Bump Stop	AR		
12.	Traction Centre make	SARITA		
13.	Traction lever make	JI		
14.	Ball joint traction lever	MGN/PPI		
15.	Ball joint traction centre	PPI		
16.	Secondary Rubber Pad	TECSPAK		
17.	Rubber Spring	AR		
18.	Anti roll bar Make	EMSON		
19.	Roll Link make	SARITA/ PPI/AR		
20.	Fork make	EMSON		
21.	Control Arm Upper	RVE/NIPHA	011218-1,310119-1,300119-1,310119-1	310119-2,310119-2,010219-1,310119-2
22.	Control Arm Lower	RVE	010119-1,RVE,RVE,300119-1	030219-2,RVE,010119-1,RVE
23.	Phonic Wheel	FAV	FT/KEP/1548	FT/KEP/1548

Signature of SSE/Bogie/QC

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/2019-20/156

RLY	C	R	-	Coach No.	1	9	3	5	5	1	/	C	DATE OF DISPATCH	1	1	-	0	5	-	1	9

DISPATCH TO	SSE/STOCK/ CSTM	Type	L	W	A	C	C	N	Shell No.	9	3	0	1	9	FUR.NO.	L3T-1172

11. TRACEABILITY OF FURNISHING ITEMS:

S NO	ITEM	MAKE/SUPPLIER	SERIAL NO
1.	Air Brake Module	M/S- FAIVELY TRANSPORT TECH.INDIA LTD BADDI(HP)	B19164B
2.	Distribution valve	M/S- FAIVELY TRANSPORT TECH.INDIA LTD BADDI(HP)	18105662B
3.	Pull box	M/S- FAIVELY TRANSPORT TECH.INDIA LTD BADDI(HP)	
4.	Foot Step	M/S- SUPER SPARK PVT.LTD.FARIDABAD	
5.	Decoupling arrangement	M/S- KOHINOOR KR, MUMBAI	
6.	Floor board	M/s- T.W.P.L. INDUS. MUMBAI	
7.	PVC	M/S RESPONSIVE IND.MUMBAI	
8.	UIC Vestibule (PPE)	M/S-ELASTOMER LINING WORKS, MUMBAI	
9.	UIC Vestibule (NPPE)	M/S-ELASTOMER LINING WORKS, MUMBAI	
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- BIRKON ENGG.GZB	
13.	Emergency Window	M/s- BIRKON ENGG.GZB	
14.	Lavatory/hopper Window	M/S- TECH FAB KXH	
15.	Roof Ceiling	M/s-MSL (MOBILITY SOLUTION LTD.) MOHALI	
16.	Door way /gang way ceiling	M/S- AMIRCHAND ENGG.WORKS, JALANDHAR	
17.	Supply Air Duct	M/S- AMIRCHAND ENGG.WORKS, JALANDHAR	
18.	Partition panel	M/S-UNIVRSAL METAL TEK NOIDA	
19.	Partition pillar	M/S- J.R. INDUSTRIES LTD. JALANDHAR	
20.	Side Wall panel	M/S- HINDUSTAN FIBRE & GLASS LTD. VADODARA	
21.	AC Trough	M/s- MEENA FIBER GLASS INDUS. PUDUCHERY	
22.	Body Side Door	M/s- JVR INDS, LUDHIYANA	
23.	Compartment Door (PPE)	M/s- KALSI FAB PVT. LTD. LDH	
24.	Compartment Door (NPPE)	M/s- KALSI FAB PVT. LTD. LDH	
25.	Vestibule Door(PPE)	M/S- JBM INDUSTRIES, FARIDABAD	
26.	Vestibule Door(NPPE)	M/S- JBM INDUSTRIES, FARIDABAD	
27.	Bio Tank	M/s- FLASH FORGE (P)LTD. VIZAG	
28.	Auxiliary Water Tank	M/S- MANOJ ENT,MOHALI	
29.	Under Slung Water Tank (2X685L)	M/S- AMIT ENG. MOHALI	
30.	Under Slung Water Tank (1x450 L)	M/S- AMIT ENG. MOHALI	
31.	Flexible Faucet	M/S- HINDUSTAN FIBRE & GLASS LTD. VADODARA	
32.	Lotah Filler Tap	M/S- HINDUSTAN FIBRE & GLASS LTD. VADODARA	
33.	Bib cock	M/s- JAQUAR PVT.LTD. ALWAR	
34.	Lavatory Modules	M/S- HINDUSTAN FIBRE & GLASS LTD. VADODARA	
35.	Lavatory Doors	M/S- HINDUSTAN FIBRE & GLASS LTD. VADODARA	
36.	Fire Extinguisher	M/S- AGGRAWAL FIRE SERVICE LTD. (ATASEE)	PPE-8236,NPPE-8123
37.	Seat & Berth	M/S- ORIENTAL VENEER PRODUCTS MUMBAI	
38.	Light Luggage Rack	M/S- TECHO INDS, ALD.	
39.	Snack Table	M/S- DLJM, NOIDA	

SSE/QC/MCF/RBL

गुणवत्ता विभाग

रे०डि०का०, रायबरेली (लालगंज)

आरडीएसओ / रायबरेली

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/2019-20/156

RLY	C	R	-	Coach No.	1	9	3	5	5	1	/	C	DATE OF DISPATCH	1	1	-	0	5	-	1	9

DISPATCH TO	SSE/STOCK/ CSTM	Type	L	W	A	C	C	N	Shell No.	9	3	0	1	9	FUR.NO.	L3T-1172

12. MODIFICATION (IF ANY) : NIL

13. DEVIATION (IF ANY) : NIL

14. ITEM FITTED ON THE COACH ON TRIAL : NIL

S NO	ITEM PARTICULARS	PURPOSE	REPORT Frequency	REFERENCE & PERIOD OF TRIAL

15. 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.

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

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

वरि॰यां॰अ॰ अभियंता
गुणवत्ता विभाग
रे॰डि॰का॰, रायबरेली (नालगंज)

Dy. Chief Chemist & Metallurgist
आधुनिक रेल डिब्बा कारखाना, रायबरेली
Modern Coach Factory, Raebareli

3T-1172

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 AC COACHES

ELECTRICAL TEST CERTIFICATE FOR LHB/EOG AC COACHES

TYPE COACH	**LWACCN**	**SHELL/COACH NO**	**193551/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	**19.80** Cub mtr/min	OK
3.2	Return Air	**70.49** Cub mtr/min	OK
3.3	Exhaust Air	**7.15** Cub mtr/min	OK
3.4	Conditioned Air	**158.23** 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 :**21.7 ^{0}C** NPP Side :**21.0 ^{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. PP Side :**24.0 ^{0}C** NPP Side :**23.0 ^{0}C**		OK

17/5/19

Senior Section Engineer
Quality control / Electrical
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MCF/RBL

FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF LHB/EOG 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	COMPARTMENT LIGHT	OK
11.0	PUBLIC ADDRESSING SYSTEM **(PAS)**	OK
12.0	WHEEL SLIDE PROTECTION SYSTEM **(WSP)**	OK
13.0	WORKING OF 60KVA TRANSFORMER	OK
14.0	WORKING OF REGULATED BATTERY CHARGER	OK
15.0	WORKING OF EMERGENCY BATTERY CHARGER	OK
16.0	SAFETIES :	
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 **R 407C**	OK

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Senior Section Engineer
Quality control / Electrical
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ROLLING STOCK CERTIFICATE OF LHB/EOG 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 (NPP side): **3526 D** Sr no of RMPU (PP side) : **3521 D** Sr no of Microprocessor: **AE 19.01.153**	As per rdso/pe/spes/ac/0061/rev-1/2005	**02**
02.	Switch board cabinet Make : **ABROL** Sr no : **367-11-2018**	RDSO/PE/SPEC/AC/0184-2015 REV-0	**01**
03.	Pump equipment with PLC controller & pump box Make : **DR AUTO** Sr no PA : **2019/02/09** Sr no.1 :**19010854** Sr no.2 : **19010895** Sr no.CPA :**2019/02/007-DR AUTO**	As per spec EDTS 186,Rev-a, Am- 2	**01**
04.	Double inlet centrifugal blower 415V/03Ph /50Hz /120W/450 cum mtr/hr discharge for exhausting air from lavatory & switch board cabinet Make :**INTEG**	EDTS331, TYPE-1 CORR.-1&2	**02**
05.	Door way/Gangway Light Make : **RT VISION**	RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-N	**07**
06.	Provision of Passenger area light(Cabin) Make: **RT VISION**	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-L	**09**
07.	Corridor Light with Night light Make: **RT VISION**	RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-M	**09**
08.	Emergency light system for EOG type coaches (AEL) Make **: CONCORD/VGS**	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: **AGASTYA**	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-H1	**04**
11.	Passenger alarm coach indication light Make : **DR AUTO**	LW 76005,Alt-e	**02**

17/5/19

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Quality control / Electrical
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ROLLING STOCK CERTIFICATE OF LHB/EOG AC COACHES

Sr no	Description	Drg/Spec no.	Quantity per Coach
12.	Razor socket for WC 110/240V. Make : **SSK**	EDML 047,Rev nil	**04**
13.	Terminal strip Make :**WAGO**	EDML 034,Rev-a	**01**
14.	Terminal connector Make :**WAGO**	EDML 037,Rev`a'	**04**
15.	Single switch 06A/250V/AC ONE WAY ,complete with steel plate & cover frame Make : **SSK**	EDML 0,64,Rev-B, Item 04.	**09**
16.	Single switch 06A/250V/AC ONE WAY complete with steel plate & cover frame Make : **SSK**	EDML 0,64,Rev-B, Item 05.	**09**
17.	Provision of 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**
18.	PA system for LHB coaches Make :**AHUJA**	EDTS 173,Rev- a Am-1,2&3	**01 set**
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 : **AMARA RAJA** Lug date : **09/18**	EDTS 129,Rev nil	**01 set**
20.	Battery box for LHB coaches. Make : **HITECH**	1 10113 0 76 700 005 w/o item 5,22 ,23 ,26 & 27.	**01**
21.	Battery fuse box +ve Make :**AECO**	As per LW 71001,Alt-F	**01**
22.	Battery fuse box –ve Make :**INTEG**	As per LW 71002,Alt-F	**01**

17/5/19

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ROLLING STOCK CERTIFICATE OF LHB/EOG AC COACHES

Sr no	Description	Drg/Spec no.	Quantity per Coach
23.	Emergency battery charger Make : **BHASIN** Sr no: **03190149** Make : **BHASIN** Sr no: **03190108**	EDTS 163,Rev `c' corg.-2&3	**02**
24.	Provision of 5KVA TFR Make : **BHASIN** SL.no : **11182892**	As Per EDTS-366,REV-NIL & CC-71510	**01**
25.	Provision of capacitor Bank Make :**KONTACT** SL.no :**KT-523**	As per EDML-130 Rev-1,Corr-1	**01**
26.	60KVA transformer Make : **VIMAL** Sr no : **VTC-R-3089 LHB-481**	As per rdso/pe/spec/ac/0080/rev-0 (2007)/Am-1&2/Corr. 1,2&3	**01**
27.	Inter Vehicle (ZS)coupler Make: **MAA LAXMI INDUSTRIES.**	As per RDSO PE SPEC-0177-2013 REV-0	**01 set**
28.	Feeder junction boxes. Make : **SIDWAL**	EDTS-328 REV-C	**01 set**
29.	Wheel set earthling equipment. Make : **MAA LAXMI INDUSTRIES.**	EDTS101,REV-C,AM-1	**02 sets**
30.	Wheel Slide Protection System (WSP) Make : **FAIVELEY** Sr no :**01/19/129**	M/s : **FAIVELEY**	**01 set**
31.	PANTRY EQUIPMENTS : Hot Case & Bottle cooler cum deep freezer Make : **ZUMAX**	As per EDTS -139, Rev- E ,Sec II.	**01**

17/5/19	
SSE/EL/QC वरिष्ठ अनुभाग अभियन्ता गुणवत्ता नियंत्रण 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, लखनऊ Sr. Electrical Engineer / RCF / RBL / Lucknow

MCF/RBL