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/2019-20/964

RLY	C	R	-	Coach No.	1	9	7	1	8	9	/	C	DATE OF DISPATCH	2	9	-	1	0	-	1	9

DISPATCH TO	SSE(STOCK)/CR/BB	Type	L	W	A	C	C	N	Shell No.	9	3	2	8	6	FUR.NO.	L3T-1313

1. Railway Board's Order No. : **2019/M(C)/142/2, dated -13 -06-2019**
2. Tare Weight of Coach : 45.6 Tonnes
3. Carrying Capacity : (a) Seating: 72 (b) Sleeping: 72 (c) Luggage: NIL

4. **Special feature:1-** 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
2- 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	4250
4.	CBC height/Buffer height from Rail level 1105 +0/-10	1) 1105 (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-SFPL	06/19			
			NPP END	M/S-SFPL	06/19			
		Complete	MCF/RBL(CONTRACTOR V4U)		93286			
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		167/01			
		RH SIDE	MCF/RBL		167/02			
4.	End wall	PP END	M/s-OMEX REWARI		---			
		NPP END	M/s-OMEX REWARI		---			
5.	Roof		M/S- HANSPAL		17			
6.	Centre Buffer Coupler		M/s- ESCORT		PP END	1813	NPP END	1805

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	07 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)	89/88	03.10.19
2.	Insulation	Satisfactory				

SSE/QC/MCF/RBL

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मॉ0डि0का0, रायबरेली (यू0पी0)

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/**964**

RLY	C	R		Coach No.	1	9	7	1	8	9	/	C	-	DATE OF DISPATCH	2	9	1	0	2	0	1	9

DISPATCH	SSE/STOCK/CR/BB	Type	L	W	A	C	C	N	Shell No.	9	3	2	8	6	FUR .NO	L3T-1313

9. DETAIL OF BOGIES:

ITEMS	PP Side				NPP Side			
Bogie No	191829				191830			
Bogie Type	FIAT				FIAT			
Frame no.	MIPL-29				MIPL-17			
Bolster no.	MCF/RBL-2771				MCF/RBL-2250			
Axle No	19 S – 1096 RWF		19 S - 4900 RWF		19 S – 2702 RWF		19 S - 4929 RWF	
Wheel Dia	917.471	917.581	917.461	917.473	917.438	917.446	917.586	917.538
Wheel Disc No	TZ 06-19 65854-9RQ0	TZ 07-19 65858-9RQ0	TZ 07-19 67505-9RL3	TZ 07-19 65785-9RL9	TZ 08-19 65374-9RL9	TZ 08-19 68951-9RM5	TZ 08-19 65855-9RQ0	TZ 08-19 71968-9SK2
R.B. Nos.	08-19 25822	08-19 24719	08-19 23815	08-19 23174	08-19 23991	08-19 12107	08-19 26773	08-19 24423
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.	CMAFJ05-19-8836-53	CMGBD02-19-F19-913-60	CMAFJ05-19-8836-78	CMGBD02-19-F19-912-62	CMAFJ05-19-8836-73	CMGBD02-19-513-04-59	CMAFJ05-19-8836-5	CMGBD02-19-513-04-03
Compressed Ht. at Tested Load	515	467	515	467	515	466	515	468
Alignment deviation (mm)	10	11	10	11	5	7	5	7

11. TRACEABILITY OF BOGIE ITEMS :-

S. NO	ITEM	MAKE/ SUPPLIER	SERIAL NO.	
			NPP SIDE	PP SIDE
1.	Yaw Damper	**KBI**	16350,16347	16352,16357
2.	Primary outer Spring	**CMAFJ**	03-19 7411(255,153,250,136)	03-19 7411(259,252,241,127)
3.	Primary Inner Spring	**CMFSK**	05-19 7143-559(741,718,1124,1084)	05-19 7143-559(211,119,1174,252)
4.	Primary Damper	**KONI**	03-19 (03558,06811,06790,03959)	03-19 (04418,06788,06743,04501)
5.	Secondary Damper	**KNORR**	07-19 (19378,19372)	07-19 (19460,19383)
6.	Lateral Damper	**IAI**	05-19 250875	05-19 241470
7.	Brake Cylinder	KBI	B(9846,8180,8215,9188)K29	B(9190,8221,8179,9899)K29
8.	Brake Caliper	KBI	B(6119,6314,6282,6180)-29	B(6181,6283,6215,6118)-29
9.	Brake Disc	**KBI**	24100061 0063-38/19,24200061 0003-38/19 2420072 0028-38/19,24200065 0038-38/29	24200072 0029-38/19,24100072 0002-38/19 24100072 0013-38/19,24100072 0020-38/19
10.	Ball Joint Control Arm	**GMT**		
11.	Lateral Bump Stop	**GMT**		
12.	Traction Centre make	**SARITA**		
13.	Traction lever make	**JI**		
14.	Ball joint traction lever	**GMT/AR**		
15.	Ball joint traction centre	**AR/GMT**		
16.	SEC . Rubber pad	**AR**		
17.	Rubber spring Make	**AR**		
18.	Anti roll bar Make	**EMSON**		
19.	Roll Link make	**SARITA/GMT**		
20.	Fork make	**EMSON**		
21.	Control Arm Upper	**RVE**	300719-1,250719-2,300719-1,300719-2	300719-1,300719-2,290719-1,290719-1
22.	Control Arm Lower	**RVE**	250719-2,250719-5,280719-1,270719-1	300719-2,280719-2,250719-2,210719-1
23.	Phonic Wheel	**KNORR**	K05-19	K05-19

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/2019-20/964

RLY	C	R	-	Coach No.	1	9	7	1	8	9	/	C	DATE OF DISPATCH	2	9	-	1	0	-	1	9

DISPATCH TO	SSE(STOCK)/CR/BB	Type	L	W	A	C	C	N	Shell No.	9	3	2	8	6	FUR.NO.	L3T-1313

12. TRACEABILITY OF FURNISHING ITEMS:

S NO	ITEM	MAKE/SUPPLIER	SERIAL NO
1.	Air Brake Module	M/S- FAIVELY TRANSPORT TECH.INDIA LTD BADDI(HP)	E19188B
2.	Distribution valve	M/S- FAIVELY TRANSPORT TECH.INDIA LTD BADDI(HP)	1905 – 5114B
3.	Pull box	M/S- KBI, FARIDABAD	
4.	FIBA	NA	
5.	Foot Step	M/S- SUPER SPARK PVT.LTD.FARIDABAD	
6.	Decoupling arrangement	M/S-ELASTOMER LINING WORKS, 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-KIRAN RUBBER PRODUCT, PUNE	
10.	UIC Vestibule (NPPE)	M/S-KIRAN RUBBER PRODUCT, PUNE	
11.	Gangway bridge mounting (PPE)	M/S- MAHAVEER MATEL WORKS, KAPURTHALA	
12.	Gangway bridge mounting (NPPE)	M/S- MAHAVEER MATEL WORKS, KAPURTHALA	
13.	Body Side Window	M/s- SHATABDI SAFTY GLASS VADODARA	
14.	Emergency Window	M/s- SHATABDI SAFTY GLASS VADODARA	
15.	Lavatory/hopper Window	M/s- SHATABDI SAFTY GLASS VADODARA	
16.	Roof Ceiling	M/S- HINDUSTAN FIBRE & GLASS LTD. VADODARA	
17.	Door way /gang way ceiling	M/s-GANDHI SAFE & ALLIED INDS.JALNDHAR	
18.	Supply Air Duct	M/S- HANSPAL TRADERS, KXH	
19.	Partition panel	M/S- UNIVERSAL METAL TEK, NOIDA	
20.	Partition pillar	M/S- SIDHU INTERNATIONAL CO. ORG.(SICO) KXH	
21.	Side Wall panel	M/S-ANKUR FIBERS KAPURTHALA	
22.	AC Trough	M/S-MOBILITY SOLUTION LTD MOHALI	
23.	Body Side Doors	M/s- JVR INDS, LUDHIYANA	
24.	Compartment Door (PPE)	M/S- HANSPAL TRADERS, KXH	
25.	Compartment Door (NPPE)	M/S- HANSPAL TRADERS, KXH	
26.	Vestibule Door(PPE)	M/S- HANSPAL TRADERS, KXH	
27.	Vestibule Door(NPPE)	M/S- HANSPAL TRADERS, KXH	
28.	Bio Tank	M/S- JSL LIFE STYLE LTD. BAHADURGARH	
29.	Auxiliary Water Tank	M/S- AMIT ENG. MOHALI	
30.	Under Slung Water Tank (2X685L)	M/S- SHIVALIK FASTNERS PVT.LTD. MOHALI	
31.	Under Slung Water Tank (1x450 L)	M/S- AMIT ENG. MOHALI	
32.	Health Faucet	M/S- HINDUSTAN FIBRE & GLASS LTD. VADODARA	
33.	Lotah Filler Tap	M/S- HINDUSTAN FIBRE & GLASS LTD. VADODARA	
34.	Bib cock	M/s- JAQUAR PVT.LTD.ALWAR	
35.	Lavatory Modules	M/S- CMT MECHANISED SYSTEM PVT.LTD.,VADODARA	
36.	Lavatory Doors	M/S- CMT MECHANISED SYSTEM PVT.LTD.,VADODARA	
37.	Fire Extinguisher	M/s-SAFETY PLUS FIRE SERVICE	PPE-5879-NPPE-2810
38.	Automatic smoke & heat Detection with alarm System	M/s-SANROK ENTER PRISES	
39.	Seat & Berth	M/S ANANYA RAIL COACH COMPONENTS IND.	
40.	Light Luggage Rack	M/S RAIL FAB. KAPURTHALA	
41.	Snack Table	M/S- DLJM NOIDA	
42.	RFID	M/s-ID TECH SOLUTION GURGAON	Sr.-105706-105705

SSE/QC/MCF/RBL

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Modern Coach Factory Raebareli आधुनिक रेल डिब्बा कारख़ाना, रायबरेली	DOC NO.: MCF/RBL/QMF 8002	
	REV NO: 01	
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ROLLING STOCK CERTIFICATE

Rolling Stock Certificate No.: MCF/RBL/QC/RSC/2019-20/964

RLY	C	R	-	Coach No.	1	9	7	1	8	9	/	C	DATE OF DISPATCH	2	9	-	1	0	-	1	9

DISPATCH TO	SSE(STOCK)/CR/BB	Type	L	W	A	C	C	N	Shell No.	9	3	2	8	6	FUR.NO.	L3T-1313

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.

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

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सहायक यांत्रिक अभियन्ता/गुणवत्ता-1
Assistant Mechanical Engineer / Quality-1
आधुनिक रेल डिब्बा कारखाना, रायबरेली
Modern Coach Factory, Raebareli

जोगिन्दर सिंह
Joginder Singh
उप मुख्य गुणवत्ता प्रबन्धक
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MCF/RBL

3T-1313 3T-1319

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**	**197189/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	**19.95** Cub mtr/min	OK
3.2	Return Air	**70.39** Cub mtr/min	OK
3.3	Exhaust Air	**6.60** Cub mtr/min	OK
3.4	Conditioned Air	**158.71** 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 :**20.5^{0}C** NPP Side :**21.4^{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
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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

Senior Section Engineer
Quality control / Electrical
Modern Coach Factory Raebareli

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): **4113 J** Sr no of RMPU (PP side) : **3955 J** Sr no of Microprocessor: **AE 19.06.496**	As per rdso/pe/spes/ac/0061/rev-1/2005	**02**
02.	Switch board cabinet Make : **AMIT ENGG.** Sr no : **AE/SB-853**	RDSO/PE/SPEC/AC/0184-2015 REV-0	**01**
03.	Pump equipment with PLC controller & pump box Make : **DR AUTO** Sr no PA : **2019/09/094** Sr no.1 : **19090266** Sr no.2 : **19090134** Sr no.CPA : **NIL**	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 :**ECOFIT**	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 **: VGS/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**
11.	Passenger alarm coach indication light Make : **DR AUTO**	LW 76005,Alt-e	**02**

Senior Section Engineer
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MCF/RBL

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 SET**
14.	Terminal connector Make :**WAGO**	EDML 037,Rev`a'	**1 SET**
15.	Provision of 04 switch with socket combined 5PIN (06A, 250V AC) along with 1A glass fuse fitted powder coated steel plate & cover frame Make : **SSK**	LW 74202 EDML 0,64,Rev-A,AM-1 Item 07.	**18**
16.	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.	**54**
17.	PA system for LHB coaches Make :**AHUJA**	EDTS 173,Rev- a Am-1,2&3	**01 set**
18.	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 : **06/19**	EDTS 129,Rev nil	**01 set**
19.	Battery box for LHB coaches. Make : **NIL**	1 10113 0 76 700 005 w/o item 5,22 ,23 ,26 & 27.	**01**
20.	Battery fuse box +ve Make : **RADIANT**	As per LW 71001,Alt-F	**01**
21.	Battery fuse box –ve Make : **RADIANT**	As per LW 71002,Alt-F	**01**
22.	Reading light for longitudinal berth (LHS) Make: **DR AUTO**	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-F1	**9**

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
23.	Reading light for upper berth Make: **RT VISION**	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-F2	**27**
24.	Reading light for transverse berth (RHS) Make: **DR AUTO**	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-F3	**18**
25.	Reading light for berth transverse (LHS) Make: **RT VISION**	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-F4	**18**
26.	Regulated battery charger(RBC CUM EBC) Make : **WAVES** Sr no: **W4K5H-19547**	RDSO/PE/SPEC/AC/0183 (REV '1')	**01**
27.	Provision of 5KVA TFR Make : **VIMAL** SL.no : **VTC 3089 LHB-1046**	As Per EDTS-366,REV-NIL & CC-71510	**01**
28.	Provision of capacitor Bank Make :**KONTACT** SL.no :**KT-863**	As per EDML-130 Rev-1,Corr-1	**01**
29.	60KVA transformer Make : **VIMAL** Sr no : **NIL**	As per rdso/pe/spec/ac/0080/rev-0 (2007)/Am-1&2/Corr. 1,2&3	**01**
30.	Inter Vehicle (ZS)coupler Make: **MAA LAXMI INDUSTRIES**	As per RDSO PE SPEC-0177-2013 REV-0	**01 set**
31.	Feeder junction boxes. Make : **INDORAIL**	EDTS-328 REV-C	**01 set**
32.	Wheel set earthling equipment. Make : **DARSHAN ENTERPRISES**	EDTS101,REV-C,AM-1	**02 sets**
33.	Wheel Slide Protection System (WSP) Make : **FAIVELEY** Sr no : **18/19/678**	M/s : **FAIVELEY**	**01 set**
34.	PANTRY EQUIPMENTS : Hot Case & Bottle cooler cum deep freezer Make : **NIL**	As per EDTS -139, Rev- E ,Sec II.	**00**

SSE/EL/QC वरिष्ठ अनुभाग अभियन्ता गुणवत्ता नियंत्रण आ०रे०डि०का० / लालगंज / रायबरेली S.S.E./Elect-QC/M.C.F./LLJ/RBL	**AWM(ELECT.)/MCF/RBL** for **SEE(P)/MCF/RBL** स० कार्य प्रबन्धक / विद्युत आ०रे०डि०का० / रायबरेली A.W.M./Electrical/MCF/RBL