



# 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/2019-20/736

RLY	N	W	R	Coach No.	1	9	6	4	5	9	/	C	DATE OF DISPATCH	1	9	-	0	9	-	1	9
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DISPATCH TO	Sr.DME/C&W/JP	Type	L	W	A	C	C	N	Shell No.	9	3	2	2	1	FUR.NO.	L3T-1265
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1. Railway Board's Order No. : 2019/M(C)/142/2, dated -03 -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) 1097 (NPPE) 2) 1105 (PPE)

### 6. TRACEABILITY OF SHELL ITEMS:

S NO	ITEM	MAKE/SUPPLIER	SERIAL NO
1.	Under frame	PP END M/S-CHENNAI RADHA ENG	53
		NPP END M/S-CHENNAI RADHA ENG	53
	Complete	M/S-CHENNAI RADHA ENG	53
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)	176/01
		RH SIDE MCF/RBL(CONTRACTOR V4U)	176/02
4.	End wall	PP END M/s-RAIL TECH KXH	---
		NPP END M/s-RAIL TECH KXH	---
5.	Roof	M/s-HANSPAL	07
6.	Centre Buffer Coupler	M/s-SANROK ENT.	PP END 13422 NPP END 13412

### 7. AIRBRAKE TEST REPORT:

S NO	ITEM	DESCRIPTION	SPEC. VALUE	OBSERVED
1.	Full brake application	<ul style="list-style-type: none"> <li>➤ Reduce pressure of BP from 5.0 to 3.4 kg/cm<sup>2</sup>.</li> <li>➤ Max. pressure in BC</li> <li>➤ All Brake are applied</li> </ul>	6 – 10 sec. 3.0 ±0.15 kg/cm <sup>2</sup> . OK	07 sec. 3.0 kg/cm <sup>2</sup> OK
2.	Insensitivity	➤ Exhaust BP @ 0.3 kg/cm <sup>2</sup> /min.	No brake application	OK
3.	Sensitivity	➤ Exhaust BP @ 0.1 kg/cm <sup>2</sup> /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-AXALTA	M/S-EMPRISE	96/95	20.08.19
2.	Insulation			Satisfactory		

वरिष्ठ अभियंता  
SSE/QC/MCF/RBL  
रेलवे विभाग

रेडिओका, रायबरेली (मालगंज)





MODERN COACH FACTORY, RAEBARELI

आधुनिक रेल डिब्बा कारखाना, रायबरेली

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DISPATCH	Sr.DME/C&W/JP	Type	L	W	A	C	C	N	Shell No.	9	3	2	2	1	FUR .NO	L3T-1265
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## 9. DETAIL OF BOGIES:

ITEMS	PP Side				NPP Side			
Bogie No	197057				197058			
Bogie Type	FIAT				FIAT			
Frame no.	WIL-394				WIL-395			
Bolster no.	MCF/RBL-LS5-916				MCF/RBL-LS5-879			
Axle No	19 P - 9960 RWF		19 P - 8104 RWF		19 P - 8048 RWF		19 P - 9676 RWF	
Wheel Dia	917.68	917.714	917.731	917.682	917.784	917.68	917.662	917.661
Wheel Disc No	TZ 06-19 55685-9QK1	TZ 06-19 59336-9QH9	TZ 06-19 55909-9QI2	TZ 06-19 59358-9QI5	TZ 06-19 54261-9QI1	TZ 06-19 55636-9QK1	TZ 05-19 49654-9PG6	TZ 06-19 52475-9QH4
R.B. Nos.	05-18-40862	05-18-13791	05-18-14816	07-18-41023	07-18-41632	05-18-40965	05-18-12844	05-18-28303
CT R B Make	SKF		SKF		SKF		SKF	

## 10. SECONDARY SUSPENSION LOAD DEFLECTION VALUES :-

DESCRIPTION	Bogie NPP side		Bogie PP side	
Make & Nos.	Secondary 1	Secondary 2	Secondary 1	Secondary 2
	TAYAL & CO. Sr.NO.19-08 2879	TAYAL & CO. Sr.NO.19-08 3254	TAYAL & CO. Sr.NO.19-08 3169	TAYAL & CO. Sr.NO.19-08 3175

## 11. TRACEABILITY OF BOGIE ITEMS :-

S. NO	ITEM	MAKE/ SUPPLIER	SERIAL NO.	
			NPP SIDE	PP SIDE
1.	Yaw Damper	KNORR	12947,12939	12945,12242
2.	Primary outer Spring	CMSTL	02-19 03A(4384,4424,4413,4947)	02-19 03A(4213,7178,7213,4551)
3.	Primary Inner Spring	CMAFI	01-19 7143(242,239,113,245)	01-19 7143(2530,127,112,110)
4.	Primary Damper	KONI	03-19 (00414,04810,00969,04440)	03-19 (00992,01034,05564,01540)
5.	Secondary Damper	KONI	03-19 (00111,00142)	03-19 (00135,00195)
6.	Lateral Damper	GABRIEL	11-18 1315	11-18 846
7.	Brake Cylinder	FAV	E19(286,346,167,493)	E19(450,459,377,287)
8.	Brake Caliper	FAV	(E19-1833,F19-1831,1868,E19-1860)B	E19(1695,1693,1830,1832)B
9.	Brake Disc	KBI	24193649 0010-28/19,24193649 0009-28/19 24193644 0053-28/19,24193647 0060-28/19	24193649 0008-28/19,24193649 0011-28/19 24193642 0058-28/19,24193644 0062-28/19
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	16-19 B 6034,16-19 B-5978	16-19 B 5022,16-19 B-5921
17.	Check Valve	KNORR	07-19 19616	07-19 19605
18.	Anti roll bar Make	EMSON		
19.	Roll Link make	SARITA/AR		
20.	Fork make	EMSON		
21.	Control Arm Upper	RVE	040619-2,040619-2,250519-2,250519-2	RVE,250519-2,250519-2,250519-2
22.	Control Arm Lower	RVE	250519-2,010619-3,RVE,040619-2	040619-2,040619-2,RVE,010619-1
23.	Phonic Wheel	KNORR	K-07-19	K-07-19

Signature of SSE/Bogie/QC





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DISPATCH TO		Sr.DME/C&W/JP			Type	L	W	A	C	C	N	Shell No.	9	3	2	2	1	FUR.NO.	L3T-1265			
12. TRACEABILITY OF FURNISHING ITEMS:																						

### 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)	19041B
2.	Distribution valve	M/S- FAIVELY TRANSPORT TECH.INDIA LTD BADDI(HP)	19055548B
3.	Pull box	M/S- KBI, FARIDABAD	
4.	FIBA	M/S- KBI, FARIDABAD	
5.	Foot Step	M/s-HITECH INERAVANTURE PVT LTD RBL	PP-8030/29 NPP-7995/29
6.	Decoupling arrangement	M/S- KOHINOOR KR, MUMBAI	
7.	Floor board	M/S- KOHINOOR KR, 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 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- MOBILY SOLUTION LTD.MOHALI	
17.	Door way /gang way ceiling	M/S- AMIRCHAND ENGG.WORKS, JALANDHAR	
18.	Supply Air Duct	M/S- HANSAL TRADERS, KXH	
19.	Partition panel	M/S- UNIVERSAL METAL TEK, NOIDA	
20.	Partition pillar	M/S- JR INDS/ATHONEY ENGG	
21.	Side Wall panel	M/S-ALEX OVER SEAS PVT LTD KXH	
22.	AC Trough	M/s- FIBRO PLASTIC PVT. LTD.	
23.	Body Side Doors 1,3	M/s- JVR INDS, LUDHIYANA	
24.	Body Side Doors 2,4	M/S- SUKATA TRACTOR PARTS PVT.LTD. CDG	
25.	Compartment Door (PPE)	M/S -KALSI AUTOMATIC DOOR SYSTEM LTD.LDH	
26.	Compartment Door (NPPE)	M/S -KALSI AUTOMATIC DOOR SYSTEM LTD.LDH	
27.	Vestibule Door(PPE)	M/S- HANSAL TRADERS, KXH	
28.	Vestibule Door(NPPE)	M/S- HANSAL TRADERS, KXH	
29.	Bio Tank	M/S- JSL LIFE STYLE LTD. BAHADURGARH	
30.	Auxiliary Water Tank	M/S- MANOJ 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- HINDUSTAN FIBRE & GLASS LTD. VADODARA	
34.	Lotah Filler Tap	M/S- HINDUSTAN FIBRE & GLASS LTD. VADODARA	
35.	Bib cock	M/s- JAQUAR PVT.LTD.ALWAR	
36.	Lavatory Modules	M/S- HINDUSTAN FIBRE & GLASS LTD. VADODARA	
37.	Lavatory Doors	M/S- HINDUSTAN FIBRE & GLASS LTD. VADODARA	
38.	Fire Extinguisher	M/s-SAFETY PLUS FIRE SERVICE	PPE-2215 ,NPPE-2251
39.	Automatic smoke & heat Detection with alarm System	M/s-SANROK ENTERPRISES	
40.	Seat & Berth	M/S ANANYA RAIL COACH COMPONENTS IND.	
41.	Light Luggage Rack	M/S- LUCKY ENTERPRISES , GURUGAON	
42.	Snack Table	M/S- INTERNATIONAL TRACTORS LTD. JALNDHAR	
43.	RFID	M/s-TECH SOLUTION GURGAON	Sr.-104964-104963

SSE/QC/MCF/RBL

70 डिप्टी, रायबरेली (मालगज)





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DISPATCH TO		Sr.DME/C&W/JP			Type	L	W	A	C	C	N	Shell No.	9	3	2	2	1	FUR.NO.	L3T-1265			
13. MODIFICATION (IF ANY)					Nil																	

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 qualityrcfrbl@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 वरिष्ठ अभियंता गुणवत्ता विभाग रेडिंक 0, रायबरेली (लाहवांज)	SME/QC/MCF/RBL वरिष्ठ अभियंता Senior Mechanical Engineer/Quality आधुनिक रेल डिब्बा कारखाना, रायबरेली Modern Coach Factory Raebareli	Dy.CQM/MCF/RBL जोगिंदर सिंह उप मुख्य गुणवत्ता प्रबंधक 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

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**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	196459/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	22.96 Cub mtr/min		OK
3.2	Return Air	62.45 Cub mtr/min		OK
3.3	Exhaust Air	7.15 Cub mtr/min		OK
3.4	Conditioned Air	162.31 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 :21.0°C NPP Side :22.3°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







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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 <b>R 407C</b>	OK

**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 : <b>FEEL</b> Sr no of RMPU (NPP side): <b>2119001139</b> Sr no of RMPU (PP side) : <b>2119001136</b> Sr no of Microprocessor: <b>19.02.044</b> <b>VENUS</b>	As per rdso/pe/spes/ac/0061/rev-1/2005	<b>02</b>
02.	Switch board cabinet Make : <b>AMIT ENGG.</b> Sr no : <b>AE/SB-604</b>	RDSO/PE/SPEC/AC/0184-2015 REV-0	<b>01</b>
03.	Pump equipment with PLC controller & pump box Make : <b>DR AUTO</b> Sr no PA : <b>2019/08/0053</b> Sr no.1 : <b>19080491</b> Sr no.2 : <b>19080444</b> Sr no.CPA : <b>2019/08/096-DR AUTO</b>	As per spec EDTS 186,Rev-a, Am- 2	<b>01</b>
04.	Double inlet centrifugal blower 415V/03Ph /50Hz /120W/450 cum mtr/hr discharge for exhausting air from lavatory & switch board cabinet Make : <b>INTEG</b>	EDTS331, TYPE-1 CORR.-1&2	<b>02</b>
05.	Door way/Gangway Light Make : <b>DR AUTO</b>	RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-N	<b>07</b>
06.	Provision of Passenger area light(Cabin) Make: <b>DR AUTO</b>	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-L	<b>09</b>
07.	Corridor Light with Night light Make: <b>DR AUTO/RT VISION</b>	RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-M	<b>09</b>
08.	Emergency light system for EOG type coaches (AEL) Make : <b>DR AUTO</b>	EDTS 151,Rev -c Am-1 & 2	<b>04</b>
09.	Lavatory light fitting assly Make : <b>K.LITE</b>	LW 76001,Alt nil	<b>04</b>
10.	Toilet indication (WC) light, Make: <b>DR AUTO</b>	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-H1	<b>04</b>
11.	Passenger alarm coach indication light Make : <b>KAVERI</b>	LW 76005,Alt-e	<b>02</b>

Senior Section Engineer  
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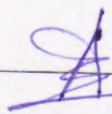
REV NO: 00

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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 : <b>SSK</b>	EDML 047,Rev nil	<b>04</b>
13.	Terminal strip Make : <b>WAGO</b>	EDML 034,Rev-a	<b>01 SET</b>
14.	Terminal connector Make : <b>WAGO</b>	EDML 037,Rev`a'	<b>1 SET</b>
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 : <b>SSK</b>	LW 74202 EDML 0,64,Rev-A,AM-1 Item 07.	<b>18</b>
16.	Provision of switch socket combined 5PIN (06A, 250V AC) along with 1A glass fuse fitted powder coated steel plate & cover frame Make : <b>SSK</b>	EDML 0,64,Rev-B, Item -16.	<b>54</b>
17.	PA system for LHB coaches Make : <b>AHUJA</b>	EDTS 173,Rev- a Am-1,2&3	<b>01 set</b>
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 : <b>AMARA RAJA</b> Lug date : <b>09/19</b>	EDTS 129,Rev nil	<b>01 set</b>
19.	Battery box for LHB coaches. Make : <b>HITECH</b>	1 10113 0 76 700 005 w/o item 5,22 ,23 ,26 & 27.	<b>01</b>
20.	Battery fuse box +ve Make : <b>RADIANT</b>	As per LW 71001,Alt-F	<b>01</b>
21.	Battery fuse box -ve Make : <b>ISGPL</b>	As per LW 71002,Alt-F	<b>01</b>
22.	Reading light for longitudinal berth ( LHS) Make: <b>DR AUTO</b>	As per RDSO/PE/SPEC/TL/009 1-2016,REV-01, TYPE-F1	<b>9</b>

  
Senior Section Engineer  
Quality control / Electrical  
Modern Coach Factory Raebareli







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आधुनिक रेल डिब्बा कारखाना, रायबरेली

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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: <b>DR AUTO</b>	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-F2	<b>27</b>
24.	Reading light for transverse berth (RHS) Make: <b>DR AUTO</b>	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-F3	<b>18</b>
25.	Reading light for berth transverse ( LHS) Make: <b>DR AUTO</b>	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-F4	<b>18</b>
26.	Emergency battery charger Make : <b>M.B &amp; COMPANY</b> Sr no: <b>201908392</b>	EDTS 163,Rev `c` corg.-2&3	<b>01</b>
27.	Regulated battery charger Make : <b>EEC</b> Sr no: <b>11180046</b>	RDSO/PE/SPEC/AC/0183 (REV -0 )	<b>01</b>
28.	Provision of 5KVA TFR Make : <b>VIMAL</b> SL.no : <b>VTC 3089 LHB-996</b>	As Per EDTS-366,REV-NIL & CC-71510	<b>01</b>
29.	Provision of capacitor Bank Make : <b>KONTACT</b> SL.no : <b>KT-949</b>	As per EDML-130 Rev-1,Corr-1	<b>01</b>
30.	60KVA transformer Make : <b>VIMAL</b> Sr no : <b>VTC-R- 3089 LHB-1335</b>	As per rdso/pe/spec/ac/0080/rev-0 (2007)/Am-1&2/Corr. 1,2&3	<b>01</b>
31.	Inter Vehicle (ZS)coupler Make: <b>MAA LAXMI INDUSTRIES</b>	As per RDSO PE SPEC-0177-2013 REV-0	<b>01 set</b>
32.	Feeder junction boxes. Make : <b>NEC</b>	EDTS-328 REV-C	<b>01 set</b>
33.	Wheel set earthing equipment. Make : <b>PRIME ELECT.</b>	EDTS101,REV-C,AM-1	<b>02 sets</b>
34.	Wheel Slide Protection System (WSP) Make : <b>FAIVELEY</b> Sr no : <b>14-19-553</b>	M/s : <b>FAIVELEY</b>	<b>01 set</b>
35.	PANTRY EQUIPMENTS : Hot Case & Bottle cooler cum deep freezer Make : <b>NIL</b>	As per EDTS -139, Rev- E ,Sec II.	<b>00</b>

**SSE/EL/QC**

वरिष्ठ अनुभाग अभियन्ता

गुणवत्ता नियंत्रण

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S.S.E./Elect-QC/M.C.F./LJ/RBL

**AWM(ELECT.)/MCF/RBL****SEE(P)/MCF/RBL**

वरिष्ठ विद्युत अभियन्ता

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