



Modern Coach Factory Raebareilly
आधुनिक रेल डिब्बा कारखाना, रायबरेली

DOC NO.: MCF/RBL/QMF 8002

REV NO: 02

DATE: 28.05.21

ROLLING STOCK CERTIFICATE(AC COACH)

Rolling Stock Certificate No.: MCF/RBL/QC/RSC/2021-2022 1525

RLY	NR	COACH NO	221539/C	DATE OF DISPATCH	9-Mar-22
Type	LWACCN	Shell No.	21C431	DISPATCH TO	SR.DME/C&W/MMCT/BB
				FUR.NO.	L3T-2181

1 Railway Board's Order No.

2 Tare Weight & Carrying Capacity of Coach :

S.N	COACH TYPE	LWACCN	LWACCW	LWLRRM	LWCBAC	LFCWAC	LWSCZAC	LWFAC	LWFCZAC
i	Tare Weight	45.6	44.5	53.2	39	42.5	40.28		39
ii	Seating	72	52	NIL	15	10+28	78	24	56
iii	Sleeping	72	52	NIL	15	10+28	NIL	24	NIL
iv	Luggage	NIL	NIL	3.9	NIL	NIL	NIL	NIL	NIL

3 Special feature:

i Choke of 5/6 mm in DV side replace with 9 mm in both type (KBI & Faiv.) letter no. MC/LHB/Brake, DT. 27.09.18

ii Venturi arrangement in lavatory

4 Smart feature: NIL

5 SHELL LEADING DIMENSIONS:

S.N	DESCRIPTION	DIMENSION (MM)
i	Maximum Length over body	23700
ii	Maximum Width over body	3240
iii	Maximum Height from Rail Level	LWACCN, LWACCW 4250
		LWLRRM, LWCBAC, LFCWAC, LWSCZAC, LWFAC, LWFCZAC 4039
iv	CBC height/Buffer Height from Rail level	1105 +0/-10
		NPP/PP
		1105/1105

6 TRACEABILITY OF SHELL ITEMS:

S.N	ITEM	MAKE/SUPPLIER	SERIAL NO
i	Under frame	Front	PP END
		Part	NPP END
		Complete	M/S DTL
ii	Lav. side wall	M/S SIPL PALWAL	LAV.1
		M/S SIPL PALWAL	LAV.2
		M/S SIPL PALWAL	LAV.3
		M/S SIPL PALWAL	LAV.4
iii	Side wall	LH SIDE	M/S COAT V4U (LKO)
		RH SIDE	M/S COAT V4U (LKO)
iv	End wall	PP END	M/S SIPL PALWAL
		NPP END	M/S SIPL PALWAL
v	Roof	M/S MADRIKA	324
vi	Centre Buffer Coupler	M/S ESCORTS	NPP/PP
			8878/8888
vii	Buffer	NA	NPP/PP
			N/A

7 AIR BRAKE TEST REPORT:

S.N	ITEM	DESCRIPTION	SPEC. VALUE	OBSERVED
i	Full brake application	Reduce pressure of BP from 5.0 to 3.4 kg/cm ² .	6 – 10 sec.	8.6 SEC
		Max. pressure in BC	3.0 ±0.15 kg/cm ² .	3.0 kg/cm ²
		All Brake are applied	OK	OK
ii	Insensitivity	Exhaust BP @ 0.3 kg/cm ² /min.	No brake application	OK
iii	Sensitivity	Exhaust BP @ 0.1 kg/cm ² /Sec, after 06 Sec.	Brake must apply	OK
iv	Handbrake(Parking brake)for generator car	1.Apply hand brake	1.Hand Bk. Indicator should be red	OK
		2.Release hand brake	2. Hand Bk. indicator should be green	OK

8 FIRE TESTING:

S.N	DESCRIPTION	SPEC. VALUE	OBSERVED
i	Smoke detection	A-controller should display smoke in zone 1,2	B-strobe light & hooter should activate
ii	Heat detection	A-controller should display smoke/heat in zone 1,2	B- strobe light & hooter should activate

9 PAINTING DETAILS:

S.N	DESCRIPTION	TYPE OF PAINT	MAKE	APPLICATION BY MCF/ CONTRACTOR (SUPPLY & APPLY)	AVERAGE GLOSS VALUE SIDE WALL/END WALL	DATE OF COMPLETION
i	Paint	P.U	M/S BERGER	SUPPLY&APPLY	90.02/88.21	25.01.2022
ii	Insulation-	Satisfactory	ANTIGRAFFITE COATING-	NA	WET ON WET-	NA

10 COACH FURNISH DETAILS :

S.N	ACTIVITIES	FIRM	TURNKEY/WORK CONTRACT/SUPPLY&APPLY
i	Coach Furnishing	M/S RUDRA ENGG.WORK	WORK CONTRACT
ii	Air Brake	M/S FLUID CONTROL	SUPPLY&APPLY
iii	Bio toilet & flushing	M/S VEDANSH ENTERPRISES	SUPPLY&APPLY
iv	Fire detection	M/S J&K PVT. LTD. AMBALA	

SSE/QC/MCF/RBL

09/05/22
वरिष्ठ अभियंता
गुणवत्ता विभाग
रेडिओका, रायबरेली (लालगंज)



Modern Coach Factory Raebareli
आधुनिक रेल डिब्बा कारखाना, रायबरेली

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RLY	NR	COACH NO	221539/C	DATE OF DISPATCH	9-Mar-22
Type	LWACCN	Shell No.	21C431	DISPATCH TO	SR.DME/C&W/MMCT/BB
				FUR.NO.	L3T-2181

11	MODIFICATION (IF ANY)	: NIL
12	DEVIATION (IF ANY)	: NIL
13	ITEM FITTED ON THE COACH ON TRIAL	: NIL

S.N	ITEM PARTICULARS	PURPOSE	REPORT Frequency	REFERENCE & PERIOD OF TRIAL
i				

14.A TRACEABILITY OF FURNISHING ITEMS:(common items for all coach)

S.N	ITEM	MAKE/SUPPLIER	SERIAL NO(NPP/PP)
i	Air Brake Module	M/S KBI	1556.10..2021
ii	Distribution valve	M/S KBI	15229.10.2021
iii	Pull box	M/S KBI	
iv	FIBA	M/S ESCORTS	2021.11.2044
v	Foot Step	M/S SHANKAR METAL WORKS KANPUR	
vi	Decoupling arrangement	M/S ELASTO MER LINING WORKS MUMBAI	
vii	Floor board	M/S GREEN PLY INDUSTRY GUJRAT	
viii	PVC	M/S RESPONSIVE IND. MUMBAI	
ix	UIC Vestibule (PPE)	M/S SANCREST IND. KOLKATA	
x	UIC Vestibule (NPPE)	M/S SANCREST IND. KOLKATA	
xi	Gangway bridge mounting (PPE)	M/S KOADIAR PVT. LTD. AHMDABAD	
xii	Gangway bridge mounting (NPPE)	M/S KOADIAR PVT. LTD. AHMDABAD	
xiii	Body Side Window	M/S SHATABDI METAL GLASS VADODRA	
xiv	Emergency Window	M/S SHATABDI METAL GLASS VADODRA	
xv	Lavatory/hopper Window	M/S SHATABDI METAL GLASS VADODRA	
xvi	Roof Ceiling	M/S MOBILITY LTD. MOHALI	
xvii	Door way /gang way ceiling	M/S AMIT ENGG. PANCHKULA	
xviii	Supply Air Duct	M/S PD STEEL PANCHKULA	
xix	Partition panel	M/S MILTAN IND. AHMDABAD	
xx	Partition pillar	M/S SHREE BALAJI	
xxi	Side Wall panel	M/S CMT MECHNIZED	
xxii	AC Trough	M/S MOBILITY LTD. MOHALI	
xxiii	Body Side Doors	M/S JBM IND.FARIDABAD	
xxiv	Compartment Door (PPE)	M/S POOJA	
xxv	Compartment Door (NPPE)	M/S POOJA	
xxvi	Vestibule Door(PPE)	M/S KALSI AUTO DOOR	
xxvii	Vestibule Door(NPPE)	M/S KALSI AUTO DOOR	
xxviii	RMPU	M/S DAULAT RAM ENGG.	
xxix	Bio Tank	M/S LIFESTYLE LTD.	
xxx	Pressurized flushing (ele. Pneu.)	M/S AIRFLOW	
xxxi	Auxiliary Water Tank	M/S OASIS	
xxxii	Under Slung Water Tank (2X685L)	M/S DTL	
xxxiii	Under Slung Water Tank (1x450 L)	M/S OASIS	
xxxiv	Health Faucet	M/S CMT VADODRA	
xxxv	Lotah Filler Tap	M/S CMT VADODRA	
xxxvi	Bib cock	M/S JAL JUPITAR	
xxxvii	Lavatory Modules	M/S CMT	
xxxviii	Lavatory Doors	M/S CMT	
xxxix	Fire Extinguisher	M/S LIGHTEX FIRE	1601/1574
xxxx	Seat & Berth	M/S OAPL	
xxxxi	Snack Table	M/S DLJM NOIDA	
xxxxii	Light Luggage Rack	M/S RAIL FAB	
xxxxiii	Venturi grill	M/S CMT	
xxxxiv	Auto janitor	M/S CMT	
xxxxv	Automatic smoke & heat Detection with alarm System	M/S J&K PVT. LTD. AMBALA	

14.B TRACEABILITY OF FURNISHING ITEMS:(items for variant wise)

i	Vacuum toilet system	
ii	Odour control system	
iii	CCTV	

Rama
SSE/QC/MCF/RBL

वरिष्ठ अभियंता

गुणवत्ता विभाग

रेडिंक 0, रायबरेली (जालगंज)



MODERN COACH FACTORY, RAEBARELI

आधुनिक रेल डिब्बा कारखाना, रायबरेली

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RLY	W	R	-	Coach No.	2	2	1	5	3	9	/	C	-	DATE OF DISPATCH	0	9	0	3	2	0	2	2
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DISPATCH	Sr.DME/C&W/MMCT/BB	Type	L	W	A	C	C	N	Shell No.	2	1	C	4	3	1	FUR.NO	L3T - 2181
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15. DETAIL OF BOGIES:-

ITEMS	NPP Side				PP Side			
Bogie No	213335				213336			
Bogie Type	FIAT				FIAT			
Frame no.	MIPL - 1350				MIPL - 1429			
Bolster no.	SHIVALIKA - 824				SHIVALIKA - 1679			
Axle No	22 L - 2519 RWF		22 L - 2605 RWF		22 L - 3002 RWF		22 L - 3235 RWF	
Wheel Dia	918.07	917.96	918.16	918.04	918.02	918.06	917.97	918.05
Wheel Disc No	KLW 10-21 00084-214187	KLW 10-21 00252-214187	KLW 10-21 00126-214187	KLW 10-21 00112-214187	KLW 10-21 00338-214187	KLW 10-21 00103-214187	KLW 10-21 00275-214187	KLW 10-21 00279-214187
R.B. Nos.	09-21 505431	09-21 428300	09-21 505244	09-21 427913	09-21 428170	09-21 424744	08-21 422736	09-21 426613
CT R B Make	TIMKEN		TIMKEN		TIMKEN		TIMKEN	

16. SECONDARY SUSPENSION LOAD DEFLECTION VALUES :-

DESCRIPTION	Bogie NPP side		Bogie PP side	
	Secondary 1	Secondary 2	Secondary 1	Secondary 2
Make & Nos.	RESISTO FLEX SR.NO.- 12-21 4032	RESISTO FLEX SR.NO.- 12-21 4015	RESISTO FLEX SR.NO.- 12-21 4029	RESISTO FLEX SR.NO.- 12-21 4170

17. TRACEABILITY OF BOGIE ITEMS:-

S. NO	ITEM	MAKE/SUPPLIER	SERIAL NO.	
			NPP SIDE	PP SIDE
1.	Yaw Damper	ESCORT	6823,6581	6580,6560
2.	Primary outer Spring	CMAFI	10-20 F05-439-(300,38,298,268)	10-20 F05-439-(297,286,292,285)
3.	Primary Inner Spring	CMAFI	12-21 F04-967-(5,15,8,12)	12-21 F04-967-(11,14,224,6)
4.	Primary Damper	GABRIEL	12-21-(7291,7287,7127,7279)	12-21-(7290,7289,7131),11-21-6786
5.	Secondary Damper	GABRIEL	07-21-(704,726)	07-21-722,06-21-869
6.	Lateral Damper	G.B.E/IAI	05-20-01758	02-21-244139
7.	Brake Cylinder	KBI	A(8794,8111,8109,8793)-K-29	A(8792,8098,8101,9788)-K-29
8.	Brake Caliper	KBI	2921476495,2921476443,2921476442,2921476496	2921476439,2921476436,2921476437,2921476493
9.	Brake Disc	FAV	05-21-(4535,4534)-D133561-300,06-21-(4445,4446)-D133561-300	03-21-(2174,2173,2546,2545)-D133561-300
10.	Ball Joint Control Arm	GMT		
11.	Lateral Bump Stop	GMT		
12.	Traction Centre make	RNG		
13.	Traction lever make	JI		
14.	Ball joint traction lever	GMT		
15.	Ball joint traction centre	GMT		
16.	Leveling Valve	KNORR	06-21-D-4823,09-21-D-6738	06-21-D-(4539,4533)
17.	Check Valve	KNORR	08-21-30269	05-21-30191
18.	Anti roll bar Make	SF		
19.	Roll Link make	RF+GMT		
20.	Fork make	RNG		
21.	Control Arm Upper	SF	246,1104,42,216	469,2001,885,402
22.	Control Arm Lower	SF	573,742,448,218	6,606,208,549
23.	Phonic Wheel	KBI	K-07-21	K-09-21

Signature of SSE/Bogie/QC	SME/AME/QC/MCF/RBL सहायक यांत्रिक इंजीनियर ASST MECHANICAL ENGINEER आ०रे०डी० का रायबरेली MCF RBL	Dy.CQM/MCF/RBL Dy. Chief Quality Engineer आधुनिक रेल डिब्बा कारखाना Modern Coach Factory, Rae Bareilly
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Warranty Certificate

Dated: 04-02-2022

To
Dy CME FP & Paints
Modern Coach Factory
Lalganj, Raebareli UP

Ref: PO No: 06190054101471 dtd 30.10.2020
Sub: Performance Warranty Certificate

Dear Sir

With reference to above, we do hereby confirm the warranty for three year from the date of application of delivered below mentioned coaches wide your above referred purchase order after application and inspection at your end.

S.No	Shell No	Furnishing No	Coach No	Railway No	Date of Completion	Gloss Value of Top Coat
229.	LWACCN 21C431	L3T 2181	221539 /C	14 R	25-01-22	90.02

The warranty is applicable from the date of despatch against below mentioned defect as per RDSO Spec No: M&C/PCN/100/2018.

Gloss level of applied paint initial 85 unit (on the date of painting) and minimum 80%, 70%, 60% of initial gloss after one year, two years, three years respectively from the date of application

Decolonization of paint film
Cracking of paint film
Peeling of paint film
Blistering of paint film

Thanking You
For Berger Paints India Limited



BERGER PAINTS INDIA LIMITED

Plot No. 418, 419 & 420, Bhauti Station Road, Bhauti, Kanpur - 209305 (Uttar Pradesh)

Regd. Office : Berger House, 129 Park Street Kolkata-700 017, Phone : 2229 9724-28, 2229 6005-06, Fax : 91-33-22499009/9729, www.bergerpaints.com



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DATE: 29.06.2020

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FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF LHB EOG 3T COACH.

ELECTRICAL TEST CERTIFICATE FOR LHB EOG 3T COACH.

TYPE COACH		LWACCN		SHELL/COACH NO		221539/C	
RAILWAY		WR	ELECT. FIT DATE		04-03-2022	MCF FUR. NO.	3T-2181
Sr. no.	Description of tests						Remarks
1.0	REFERENCE SPECIFICATION : L 446						
1.1	AIR CONDITIONING TEST : ELPS/TP/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			29.16 Cub mtr/min			OK
3.2	Return Air			67.63 Cub mtr/min			OK
3.3	Exhaust Air			7.26 Cub mtr/min			OK
3.4	Conditioned Air			178.19 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 Not done due to Ambient temp. below 22°C						----
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.						----

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FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF LHB EOG 3T COACH.

ELECTRICAL TEST CERTIFICATE FOR LHB EOG 3T COACH.		
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 BERTH READING LIGHTS	OK
10.0	WORKING OF COMPARTMENT LIGHTS	OK
11.0	WORKING OF MOBILE CHARGING SOCKETS	OK
12.0	WORKING OF PUBLIC ADDRESSING SYSTEM (PAS)	OK
13.0	WORKING OF WHEEL SLIDE PROTECTION SYSTEM (WSP)	OK
14.0	WORKING OF 60KVA TRANSFORMER	OK
15.0	WORKING OF 5 KVA TRANSFORMER	OK
16.0	WORKING OF REGULATED BATTERY CHARGER	OK
17.0	WORKING OF EMERGENCY BATTERY CHARGER	OK
18.0	WORKING OF COMPOSITE PANTRY(ONLY FOR RAJDHANI COACH)	N/A
19.0	SAFETY :	---
19.1	OHP :	OK
19.1	ROTARY 07 SET POINTS (NORMAL CONDITION)	OK
19.2	LP/HP GAUGE	OK
19.3	HYGROSTAT	OK
19.4	CONTROL CIRCUIT	OK
19.5	POWER CIRCUIT	OK
20.0	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 : DAULAT RAM Sr no of RMPU 1(NPP side): 22A/RMPU/05/1066 Sr no of RMPU 2(PP side): 22A/RMPU/05/1072 Sr no of Microprocessor. : SA 21121811	As per RDSO/PE/SPES/AC/0061/REV-1/2005	01 Set
02.	Switch board cabinet Make : RSI Sr no : 21/12/448190/74	As per spec no. RDSO/PE/SPEC/AC/0184-2015(REV.0) MEDTS-0004,Rev.-1 for Smart SBC	01 no.
03.	Pump equipment with PLC controller & pump box Make: KIND PA Sr.no: KIND/ASY/0035 Sr no.1: 21020069 Sr no.2 : 21020070 Sr.no.CPA: 2108R1414-LIGHT ENGG.	As per spec EDTS 186,Rev-a, Am-2. As per Spec. EDTS186, & drg no. CC71328 & LW70020 for P/CNTR.	01 Set
04.	Double inlet centrifugal blower 415V/03Ph /50Hz /120W/450 cu.mtr/hr discharge for exhausting air from lavatory & switch board cabinet Make : INTEG	EDTS331, TYPE-1 CORR.-1&2	02 no.
05.	Provision of Passenger area LED Light(Cabin) Make: WAVES	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-L	09 no.
06.	Mounting of Passenger area light(Cabin/corridor)	As per drg no. LW 76090.	OK
07.	Provision of Cabin/Corridor Light with Night light. Make: RT VISION	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-M	09 no.
08.	Mounting of Cabin/Corridor Light with Night light .	As per drg no. LW 76091.	OK
09.	Provision & mounting of Doorway/Gangway light. Make: DHINGRA	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-N & Drg no. LW 76099 -	07 no.
10.	Provision & Mounting of PACIL Assly. Make: KAVERI	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-I Drg no. LW 76098.	02 no.
11.	Provision & Mounting of WC light. Make: DR AUTO	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-H1 Drg no. LW 76097. -	02 no.
12.	Provision & Mounting of Lavatory Light. Make: IMT	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-D & Drg no. LW 76092. -	04 no.
13.	Provision of Emergency Lighting system Make: INTEG	As per RDSO/PE/Spec/AC/0180-2016(Rev-0),Type-2 or Latest.	04 no.
14.	Provision of razor socket for WC for 110/240V Make: SSK	. EDML047,ITEM-4	04 no.

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ROLLING STOCK CERTIFICATE OF LHB EOG 3T COACH.

Sr. no.	Description	Drg/Spec no.	Quantity per Coach
15.	PA system for LHB coaches Make: AHUJA	EDTS 173,Rev- B,Cor-1.	01 Set
16.	Provision of terminal strip complete	EDML 034,Rev-C,DRG NO.LW76054	01 Set
17.	Diffuser complete w/o item 1 & 2.	LW 76012,Alt-a	ok
18.	Provision of switch plate assembly complete with polycarbonate cover frame and powder coated steel plate & 2 no. ON_ OFF switches 6A,250 V AC and 1 no. 5-pin socket 6A,250V AC with 1.0 Amp glass fuse. Make : SSK	As per spec EDML-064,REV-B,Am-1 alt 'c' Item-4 ,Drg. No. LW74202	09 no.
19.	Provision of switch plate assembly complete with polycarbonate cover frame and powder coated steel plate with 1 no. ON-OFF switches and 1 no. 5-pin socket 6A, 250 V AC 1 no. 1.0 Amp glass fuse. Make : SALZER	As per spec EDML-064,REV-B,Am-1 alt 'c' Item 16,Drg. No. LW74202	54 no.
20.	Provision of switch plate assembly complete with polycarbonate cover frame and powder coated steel plate with 3 no. ON-OFF switches and 1 no. 5-pin socket 6A, 250 V AC 1 no. 1.0 Amp glass. Make : SSK	As per spec EDML-064,REV-B,Am-1 alt 'c' Item-5, Drg. No. LW74202	09 no.
21.	Provision & Mounting of reading light for upper berth Make : IMT	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-F2 & Drg no LW 76094	27 no.
22.	Provision & Mounting of reading light for transverse berth (RHS) Make: : RT VISION	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-F3 & Drg no. LW 76095	18 no.
23.	Provision & Mounting of reading light for berth transverse (LHS) Make: IMT	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-F4 & Drg no. LW 76096	18 no.
24.	Provision & Mounting of reading light for berth Longitudinal. Make: RT VISION	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-F1 & Drg no LW 76096	09 no.
25.	Provision of High Capacity Inter -Vehicular Coupler Unit (ZS Coupling) (500 A,750 V,3 ph,50 Hz). Make:- 1.(NPP): MAA LAXMI INDUSTRIES 2.(PP): MAA LAXMI INDUSTRIES	As per Spec. no. RDSO/PE/SPEC/AC/0177(R ev.-0)-2013 with annexure-A, B.	01 set
26.	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 :09/21	EDTS 129,Rev nil	01 set

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Modern Coach Factory Raebareli
आधुनिक रेल डिब्बा कारखाना, रायबरेली

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ROLLING STOCK CERTIFICATE OF LHB EOG 3T COACH.

Sr. no.	Description	Drg/Spec no.	Quantity per Coach
27.	Provision of Cable Jacket, Size 75, 50, 20 mtr.	As per spec no. EDTS 0138, Item 5,8,11	ok
28.	Provision of cable binder.	As per Drg. No. cc76129, Item 2,4.	ok
29.	Battery box for LHB coaches. Make: KAPURTHALA COACH ENGG.	As per drgno 1 10113 0 76 700 005, Alt C	01 no.
30.	Battery fuse box +ve Make : SSK	LW 71001, Alt-H	01 no.
31.	Battery fuse box -ve Make : SSK	LW 71002, Alt-I	01 no.
32.	Provision of Regulated Battery Charger Make: EEC Sr. no.: 06210027	As per spec no. RDSO/PE/SPEC/AC/0183-(REV.-0) . Or RDSO/PE/SPEC/AC/0183-2015(REV.-1)-For Under slung RBC cum EBC.	01 no.
33.	Emergency battery charger Make : N/A Sr.no.: N/A	EDTS163,REV-C,COR-2&3	N/A
34.	Provision of 5 KVA TFR Make : BHASIN Sr no : 07217472	As Per EDTS-366,REV-NIL & CC-71510	01 no.
35.	Provision of capacitor Bank Make: NEC SL.no.: 21122950	As per EDML-130 Rev-1, Corr-1	01 no.
36.	60KVA transformer Make : VIMAL Sr no : VTC(R) LHB-1041	As per spec no. RDSO/PE/SPEC/AC/0080-2007 (REV-1)	01 no.
37.	Feeder junction boxes. Make : NEC	EDTS-328 REV-C	01 set
38.	Wheel set earthing equipment. Make : ZMAS	EDTS101,REV-C,AM-1	01 set
39.	Wheel Slide Protection System (WSP) Make : KNORR Sr. no : 3521190525	As per MDTS 077, Rev.-2 M/s"FAIVELEY" or "Knorr Bremse", or "ESCORTS" or "JWL-DAKO-CZ"	01 set
40.	Provision of External supply Socket 125A/415V/IP67/5-Pole (3Ph+1N+1E) complete with pilot contacts. Make: JAI BALAJI	Cat no. 1948036/UIV4125-6 with RCF annexure-A - 02 nos	02
41.	PANTRY EQUIPMENTS(ONLY FOR RAJDHANI COACH). Hot Case, Bottle cooler cum deep freezer Make : N/A	As per spec no EDTS 139, Rev-E, Sec II.	N/A

 परियोजना अभियन्ता SSE/EL/QC गुणवत्ता नियंत्रण आरंभिक / लालगंज / रायबरेली S.S.E./Elect-QC/M.C.F./LLJ/RBL	 AWM(ELECT.)/MCF/RBL सहायक प्रबंधक / विद्युत आरंभिक / रायबरेली A.W.M./Electrical/MCF/RBL
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