



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/2020-21/200

RLY	CR	COACH NO	204292/C	DATE OF DISPATCH	24-Jul-20
Type	LWACCN	Shell No.	93547	DISPATCH TO	SSE/STOCK/CR/BB
				FUR.NO.	L3T-1442

1. Railway Board's Order No. : 2020/M(C)142/2, DATE-24.06.2020
2. Tare Weight of Coach : 45.6 Tonnes
3. Carrying Capacity : (a) Seating: 72 (b) Sleeping: 72 (c) Luggage: NIL

4. Special feature:

A- 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

B-Venturi arrangement in lavatory -M/S-HF VADODARA

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	NPP/PP 1105/1095

6. TRACEABILITY OF SHELL ITEMS:

S NO	ITEM	MAKE/SUPPLIER	SERIAL NO
1	Under frame	Front PP END M/S-M TECH	
	Part NPP END M/S-EC BLADE		
	Complete MCFRBL-V4U-TECHIE		93547
2	Lav. side wall	M/S-ATHANCY ALD LAV.1	LAV.2
		M/S-ATHANCY ALD LAV.3	LAV.4
3	Side wall	LH SIDE MCFRBL-V4U-LKO	367
	RH SIDE MCFRBL-V4U-LKO		367
4	End wall	PP END MCFRBL	
	NPP END PP END MCFRBL(PUSKAR)		
5	Roof	MCFRBL-CONT.	73
6	Centre Buffer Coupler	M/S-FRONTIER	NPP/PP 300/220

7. AIR BRAKE TEST REPORT:

S NO	ITEM	DESCRIPTION	SPEC. VALUE	OBSERVED
1	Full brake application	Reduce pressure of BP from 5.0 to 3.4 kg/cm ² .	6 – 10 sec.	07 sec.
		Max. pressure in BC	3.0 ±0.15 kg/cm ² .	3.0 kg/cm ²
		All Brake are applied	OK	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	GSI	M/S-GSI	89/88	14-Jun-20
2	Insulation			Satisfactory		

Primal Kumar

SSE/QC/MCF/RBL

वरि०अनु० अभियंता
गुणवत्ता विभाग
रे०डि०का०, रायबरेली (लालगंज)



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/2020-21/200

RLY	C	R	Coach No.	2	0	4	2	9	2	/	C	-	DATE OF DISPATCH	2	4	0	7	2	0	2	0
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DISPATCH	SSE/STOCK/CR/BB	Type	L	W	A	C	C	N	Shell No.	9	3	5	4	7	FUR .NO	L3T-1442
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9. DETAIL OF BOGIES:

ITEMS	NPP Side				PP Side			
Bogie No	193942				193941			
Bogie Type	FIAT				FIAT			
Frame no.	MCF/RBL/L55-961				MCF/RBL/L55-829			
Bolster no.	APEX-60				APEX-89			
Axle No	20 V -5247 RWF		20 V-5008 RWF		20 V -9111 RWF		20 W -4696 RWF	
Wheel Dia	917.232	917.22	917.152	917.16	917.549	917.486	917.509	917.469
Wheel Disc No	TZ-02-19 26914-9MG1	TZ-03-19 29745-9ML9	TZ-12-18 12457-8XG3	TZ-03-19 30109-9ML3	TZ-07-19 61699-9RR4	TZ-07-19 61696-9RR4	TZ-02-19 27079-9MJ6	TZ-02-19 27062-9MG1
R.B. Nos.	01-20 401680	12-19 39759	01-20 400142	12-19 44965	12-19 39649	12-19 38966	11-19 42162	12-19 37965
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
Make & Nos.	TAYAL & CO. Sr.NO-08-18 0713	TAYAL & CO. Sr.NO-08-18 0759	TAYAL & CO. Sr.NO-11-18 1386	TAYAL & CO. Sr.NO-11-18 1373

11. TRACEABILITY OF BOGIE ITEMS :-

S. NO	ITEM	MAKE/ SUPPLIER	SERIAL NO.	
			NPP SIDE	PP SIDE
1.	Yaw Damper	IAI	291443,291749	291408,291785
2.	Primary outer Spring	CMSTL	12-18 F03-529-03A(6436,625,846,6301)	12-18 F03-529-03A(667,1018,710,136)
3.	Primary Inner Spring	CMFSK	05-19 7143-559-(507,404,91,174)	05-19 7143-559-(62,80,166,362)
4.	Primary Damper	GABRIEL	12-19 (287070,288068,288066,267688)	12-19 (286369,287755,286457,286324)
5.	Secondary Damper	KONI	04-19 (06565,03650)	04-19 (6553,6941)
6.	Lateral Damper	KONI	04-19 01708	04-19 02308
7.	Brake Cylinder	KBI	c(0838,9642,9615,0848)k29	C(1262,1526,1524,1264)k29
8.	Brake Caliper	KBI	c(7533,7545,7547,7534)-29	C(1262,1526,1524,1264)-29
9.	Brake Disc	FAV/KBI	08-18(188,4075,2902,5226)D133561-300	24208530 0036-52/19,24208530 0035-52/19 24208532 0027-52/19,24208532 0062-52/19
10.	Ball Joint Control Arm	ARYAN		
11.	Lateral Bump Stop	GMT		
12.	Traction Centre make	RF		
13.	Traction lever make	JI		
14.	Ball joint traction lever	GMT		
15.	Ball joint traction centre	GMT		
16.	Leveling Valve	ESCORT	1912,1912	1912,1912
17.	Check Valve	ESCORT	1919	1919
18.	Anti roll bar Make	EMSON		
19.	Roll Link make	SARITA+GMT SARITA+ARYAN		
20.	Fork make	RF		
21.	Control Arm Upper	RVE	171119-2,201119-2,251119-2,251119-1	181119-3,161119-1,151119-1,181119-1
22.	Control Arm Lower	RVE	161119-1,191119-1,181119-1,171119-1	171119-1,231119-1,161119-1,171119-1
23.	Phonic Wheel	KBI	K 05-20	K 12-19

Signature of SSE/Bogie/QC



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ROLLING STOCK CERTIFICATE
Rolling Stock Certificate No.: MCF/RBL/QC/RSC/2020-21/200

RLY	CR	COACH NO	204292/C			DATE OF DISPATCH		24-Jul-20
Type	LWACCN	Shell No.	93547	DISPATCH TO	SSE/STOCK/CR/BB	FUR.NO.	L3T-1442	

12. TRACEABILITY OF FURNISHING ITEMS:

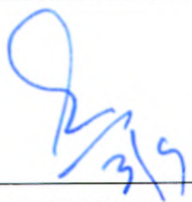
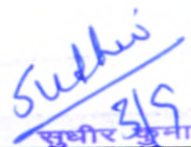
S NO	ITEM	MAKE/SUPPLIER	SERIAL NO(NPP/PP)
1	Air Brake Module	M/S-KBI	4773 02/20
2	Distribution valve	M/S-KBI	2020A10209
3	Pull box	M/S-KBI	
4	FIBA	M/S-KBI	9609/29,9565/29
5	Foot Step	M/S-DOLPHIN ENGG	
6	Decoupling arrangement	M/S-ELASTOMER MUMBAI	
7	Floor board	M/S-SRI RAM PNL	
8	PVC	M/S-PREMIER POLY FILM GZB	
9	UIC Vestibule (PPE)	M/S-ELASTOMER MUMBAI	
10	UIC Vestibule (NPPE)	M/S-ELASTOMER MUMBAI	
11	Gangway bridge mounting (PPE)	M/s-RAKESH IRON STORE	
12	Gangway bridge mounting (NPPE)	M/s-RAKESH IRON STORE	
13	Body Side Window	M/s-SHATABDI SAFETY GLASS VADODARA	
14	Emergency Window	M/s-SHATABDI SAFETY GLASS VADODARA	
15	Lavatory/hopper Window	M/s-BIKRAN ENGG.GZB	
16	Roof Ceiling	M/S-MSL CDG	
17	Door way /gang way ceiling	M/s-GANDHI SAFE & ALLIED JUC	
18	Supply Air Duct	M/s-GANDHI SAFE & ALLIED JUC	
19	Side Wall panel	M/S-HF VADODARA	
20	Partition panel	M/S-HONEYCOMB INTERNATIONAL BANGLORE	
21	Partition pillar	M/S-NAGINA ENGG WORKS KXH	
22	AC Trough	M/S-MEENA FIBRE	
23	Body Side Doors 1,3	M/S-JVR LDH	
	Body Side Doors 2,4	M/S-JBM FARIDABAD	
24	Compartment Door (PPE)	M/S-BANSILAL NARINDER JAGADHARI	
25	Compartment Door (NPPE)	M/S-BANSILAL NARINDER JAGADHARI	
26	Vestibule Door(PPE)	M/S-KALSI LDH	
27	Vestibule Door(NPPE)	M/S-KALSI LDH	
28	RMPU	M/S-INTEC CORPORATION	
29	Bio Tank	M/S-JSL LIFE STYLE	
30	Pressurized flushing (ele. Pneu.)	M/S-IMI	
31	Auxiliary Water Tank	M/S-AMIT ENGG MOHALI	
32	Under Slung Water Tank (2X685L)	M/S-SHIVALIK FAST MOHALI	
33	Under Slung Water Tank (1x450 L)	M/S-SHIVALIK FAST MOHALI	
34	Health Faucet	M/S-HF VADODARA	
35	Lotah Filler Tap	M/S-HF VADODARA	
36	Bib cock	M/S-AQUAR ALWAR	
37	Lavatory Modules	M/S-HF VADODARA	
38	Lavatory Doors	M/S-HF VADODARA	
39	Fire Extinguisher	M/S-DEVIKA FIRE/CHIRAG INDS	1259/149235
40	Automatic smoke & heat Detection with alarm System	M/S-SANROK ENT. FARIDBAD	
41	Seat & Berth	M/S-OVPL MUMBAI	
42	Light Luggage Rack	M/S-TECHNO ALD	
43	Snack Table	M/S-DLJM NOIDA	
44	Venturi grill	M/S-HF VADODARA	
45	RFID	NIL	

Painal kumar

SSE/QC/MCF/RBL

वरि०अनु० अभियंता
गुणवत्ता विभाग
रेलवे, रायबरेली (बालागंज)



		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/2020-21/200						
RLY	CR	COACH NO	204292/C	DATE OF DISPATCH		24-Jul-20
Type	LWACCN	Shell No.	93547	DISPATCH TO	SSE/STOCK/CR/BB	FUR.NO. L3T-1442
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 30months 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 qualityrcfbl@gmail.com 6. Painting on supply & apply contract :- supply of material and application shall be warranted for a period of three years from 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.						
 Paimal Kumar		 SME/AME/QC/MCF/RBL		 Sudhir Kumar Dy. Chief Quality Manager		

वरि०अनु० अभियंता
गुणवत्ता विभाग
रे०डि०का०, रायबरेली (लालगंज)

सहायक यंत्रिक अभियंता/गुणवत्ता:-1
Assistant Mechanical Engineer / Quality-1
आधुनिक रेल डिब्बा कारखाना, रायबरेली
Modern Coach Factory, Raebareli

By: QC/MCF/RBL
Dy. Chief Quality Manager
Modern Coach Factory, Raebareli





Modern Coach Factory Raebareli
आधुनिक रेल डिब्बा कारखाना, रायबरेली

DOC NO.: MCF/RBL/QEF/8001

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DATE: 29.06.2020

PAGE 1 OF 5

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		204292/C
RAILWAY		CR	ELECT. FIT DATE	23-07-2020	MCF FUR. NO.	3T-1442
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			28.71 Cub mtr/min		OK
3.2	Return Air			74.93 Cub mtr/min		OK
3.3	Exhaust Air			6.05 Cub mtr/min		OK
3.4	Conditioned Air			178.76 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 :20.9°C NPP Side :21.3°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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आधुनिक रेल डिब्बा कारखाना, रायबरेली

PAGE 2 OF 5

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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PAGE 3 OF 5

ROLLING STOCK CERTIFICATE OF LHB EOG 3T COACH.

Sr. no.	Description	Drg/Spec no.	Quantity per Coach
01.	Roof Mounted AC package unit for LHB AC coaches Make: SIDWAL Sr no of RMPU 1 (NPP side) : 20C 1759 Sr no of RMPU 2(PP side): 20E 1813 Sr no of Microprocessor. : 19.12.3170	As per RDSO/PE/SPES/AC/0061/REV-1/2005	01 Set
02.	Switch board cabinet Make: RSI Sr no : 20/02/447765/37	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: 0001 Sr no.1: 20050071 Sr no.2 : 20050072 Sr.no.CPA: 20050099-KIND	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 : EYYANI	EDTS331, TYPE-1 CORR.-1&2	02 no.
05.	Provision of Passenger area LED Light(Cabin) Make: DR AUTO	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: DR AUTO	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: DR AUTO	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: DHINGRA	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: K.LITE	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: DR AUTO	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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PAGE 4 OF 5

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 : SSK	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 : RT VISION	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: AGASTYA	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: ENSAVE	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 : 03/18	EDTS 129,Rev nil	01 set

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Modern Coach Factory Raebareli





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आधुनिक रेल डिब्बा कारखाना, रायबरेली

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PAGE 5 OF 5

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: HITECH	As per drgno 1 10113 0 76 700 005, Alt C	01 no.
30.	Battery fuse box +ve Make: RICHMOND	LW 71001, Alt-H	01 no.
31.	Battery fuse box -ve Make: RICHMOND	LW 71002, Alt-I	01 no.
32.	Provision of Regulated Battery Charger Make: HITECH Sr. no.: 19011935	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: WAVES SL.no.: WLDT5E 20922	As Per EDTS-366,REV-NIL & CC-71510	01 no.
35.	Provision of capacitor Bank Make: KONTACT SL.no.: KT-357	As per EDML-130 Rev-1, Corr-1	01 no.
36.	60KVA transformer Make: VIMAL Sr no: VTC-R-3089-LHB-3810	As per spec no.RDSO/PE/SPEC/AC/0080-2007 (REV-1)	01 no.
37.	Feeder junction boxes. Make: MAA LAXMI INDUSTRIES	EDTS-328 REV-C	01 set
38.	Wheel set earthing equipment. Make: PRIME ELECT.	EDTS101,REV-C,AM-1	01 set
39.	Wheel Slide Protection System (WSP) Make: KNORR Sr. no: 0120114765	As per MDTs 077,Rev.-2 M/s"FAIVELEY" or "Knorr Bremse", or "ESCORTS"	01 set
40.	Provision of External supply Socket 125A/415V/IP67/5-Pole (3Ph+1N+1E) complete with pilot contacts. Make: MV	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

 SSE/EL/QC वरिष्ठ अनुभाग अभियन्ता	 AWM(ELECT.)/MCF/RBL SEE(P)/MCF/RBL
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गुणवत्ता नियंत्रण
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

