



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/2020-21/480

RLY	CR	COACH NO	204797/C	DATE OF DISPATCH	15-Sep-20
Type	LWACCN	Shell No.	93602	DISPATCH TO	SSE/C&W/WB/BB
				FUR.NO.	L3T-1453

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 -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 1100/1105

6. TRACEABILITY OF SHELL ITEMS:

S NO	ITEM	MAKE/SUPPLIER	SERIAL NO
1	Under frame	PP END	M/S-SFPL 113
		NPP END	M/S-SFPL 113
		Complete	M/S-SFPL 113
2	Lav. side wall	M/S-ATHANCY ALD	LAV.1
		M/S-ATHANCY ALD	LAV.2
3	Side wall	LH SIDE	MCFRBL 250
		RH SIDE	MCFRBL 250
4	End wall	PP END	M/S-OMAX REWARI
		NPP END	M/S-OMAX REWARI
5	Roof	M/S-PIL	128
6	Centre Buffer Coupler	M/S-FRONTIER	NPP/PP 168/P1,225/P1

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	ADVANCE	M/S-ADVANCE (S&A)	90/88	25-Jun-20
2	Insulation			Satisfactory		

R. Sharma
25/11/2020
SSE/QC/MCF/RBL

वरिष्ठ अनुष्ठानिक अभियंता
गुणवत्ता विभाग
रेडिओका, रायबरेली (सालगंज)





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/2020-21/480

RLY	C	R	-	Coach No.	2	0	4	7	9	7	/	C	DATE OF DISPATCH	1	5	0	9	2	0	2	0
-----	---	---	---	-----------	---	---	---	---	---	---	---	---	------------------	---	---	---	---	---	---	---	---

DISPATCH	SSE/C&W/WB/BB	Type	L	W	A	C	C	N	Shell No.	9	3	6	0	2	-	FUR .NO	L3T-1453
----------	---------------	------	---	---	---	---	---	---	-----------	---	---	---	---	---	---	---------	----------

9. DETAIL OF BOGIES:-

ITEMS	NPP Side				PP Side			
Bogie No	200920				200919			
Bogie Type	FIAT				FIAT			
Frame no.	MCF/RBL- 2358				WIL-115			
Bolster no.	AMIT-82				AMIT-96			
Axle No	20 Z-0927 RWF		20 Z-0838 RWF		20 Y-8498 RWF		20 Y-8664 RWF	
Wheel Dia	917.511	917.45	917.558	917.412	917.529	917.513	917.523	917.482
Wheel Disc No	TZ-05-19 50617-9PF7	TZ-05-19 50613-9PF7	TZ-05-19 50614-9PF7	TZ-11-19 77830-9VE3	TZ-12-19 95493-9WL3	TZ-06-19 58880-9QK9	TZ-11-19 83278-9WH9	TZ-05-19 50616-9PF7
R.B. Nos.	12-19 38729	12-19 44380	11-19 31994	12-19 28999	11-19 33009	11-19 34039	11-19 33832	12-19 45082
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.	CMFSK 02-20 F16-171-280	CMRSK 12-18 F16-S46-19A-2280	CMFSK 02-20 F16-171-320	CMRSK 12-18 F19-S46-19A-2281	CMFSK 02-20 F16-171-265	CMRSK 12-18 F19-S46-19A-1971	CMFSK 02-20 F16-171-252	CMFSK 12-18 F19-S46-19A-1225
Compressed Ht. at Tested Load	510	468	510	468	511	468	512.5	465
Alignment deviation (mm)	8	40	9	40	7	46	9	48

11. TRACEABILITY OF BOGIE ITEMS :-

S. NO	ITEM	MAKE/SUPPLIER	SERIAL NO.	
			NPP SIDE	PP SIDE
1.	Yaw Damper	IAI	294151,294197	294586,294902
2.	Primary outer Spring	CMGBD/CMFSK	08-18 411-110-73,08-18 411-105-(515,156,464)	03-19 7411-S45-(319,982),03-19 7411-S05-(401,305)
3.	Primary Inner Spring	CMAFJ	01-20 7143-(143,33,219,93)	01-20 7143-(205,211,246,196)
4.	Primary Damper	GABRIEL	01-20 (15265,15269,15627,15260)	01-20 (15266,152556,15272,15251)
5.	Secondary Damper	GABRIEL	12-19 (3786,3789)	12-19 (3788,3790)
6.	Lateral Damper	KONI	03-19 00615	03-19 00305
7.	Brake Cylinder	KBI	C (7621,6388,6391,7994)-K-29	C (7993,6608,6378,7812)-K-29
8.	Brake Caliper	KBI	C(3767,3806,3807,3771)-29	C(3922,4004,3805,3770)-29
9.	Brake Disc	KBI	24226792-0058-26-20, 24226792-0050-01-20, 24226793-0018-26-20, 24226793-0014-26-20	24234035-0007-32-20, 24229079-0059-32-20, 24226793-0011-26-20, 24226792-0044-26-20
10.	Ball Joint Control Arm	GMT		
11.	Lateral Bump Stop	AR		
12.	Traction Centre make	SF		
13.	Traction lever make	JJ		
14.	Ball joint traction lever	GMT		
15.	Ball joint traction centre	GMT		
16.	Secondary Rubber Pad	PRAG		
17.	Rubber Spring	GMT		
18.	Anti roll bar Make	EMSON		
19.	Roll Link make	JUR+GMT		
20.	Fork make	RNG		
21.	Control Arm Upper	KUMAR	D1920,D2520,M3911,D0983	N0802,N0892,M2276,D1681
22.	Control Arm Lower	KUMAR	R0611,Q1189,L0162,Q7182	D1142,D0622,D1168,Q1176
23.	Phonic Wheel	KBI	K-07-20	K-07-20

Signature of SSE/Bogie/QC



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/2020-21/480

RLY	CR	COACH NO	204797/C	DATE OF DISPATCH	15-Sep-20
Type	LWACCN	Shell No.	93602	DISPATCH TO	SSE/C&W/WB/BB
				FUR.NO.	L3T-1453

12. TRACEABILITY OF FURNISHING ITEMS:

S NO	ITEM	MAKE/SUPPLIER	SERIAL NO(NPP/PP)
1	Air Brake Module	M/S-KBI	4900 04/20
2	Distribution valve	M/S-KBI	2020A10379
3	Pull box	M/S-KBI	
4	FIBA	NIL	
5	Foot Step	M/S-FABRICON KOLKATA	
6	Decoupling arrangement	M/S-PULSAR KOLKATA	
7	Floor board	M/S -GREENPLY LTD GUJRAT	
8	PVC	M/S -PREMIER POLY FILM	
9	UIC Vestibule (PPE)	M/S-SUNCREAST KOLKATA	
10	UIC Vestibule (NPPE)	M/S-SUNCREAST KOLKATA	
11	Gangway bridge mounting (PPE)	M/s-MMW KXH	
12	Gangway bridge mounting (NPPE)	M/s-MMW KXH	
13	Body Side Window	M/s- SHATABDI SAFTEY GLASS VADODARA	
14	Emergency Window	M/s- SHATABDI SAFTEY GLASS VADODARA	
15	Lavatory/hopper Window	M/s- BIRCON ENGG.GZB	
16	Roof Ceiling	M/S-MSL CDG	
17	Door way /gang way ceiling	M/S-RADISH ALIGERH	
18	Supply Air Duct	M/s-SAHAI SEATING KXH	
19	Side Wall panel	M/S-HF VADODARA	
20	Partition panel	M/S-RAIL TECH KXH	
21	Partition pillar	M/S-NAGINA KXH	
22	AC Trough	M/S-MEENA FIBRE	
23	Body Side Doors-	M/S-SVARN INFRATEL	
24	Compartment Door (PPE)	M/s- HANSPAL COACH KXH	
25	Compartment Door (NPPE)	M/s- HANSPAL COACH KXH	
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-RAIL FAB KXH	
30	Pressurized flushing (ele.Pneu.)	M/S-AIRFLOW	
31	Auxiliary Water Tank	M/S-OASIS	
32	Under Slung Water Tank (2X685L)	M/S-OASIS	
33	Under Slung Water Tank (1x450 L)	M/S-AMIT ENGG.BADDI	
34	Health Faucet	M/S-HF VADODARA	
35	Lotah Filler Tap	M/S-HF VADODARA	
36	Bib cock	M/S-JAQUAR ALWAR	
37	Lavatory Modules	M/S-HF VADODARA	
38	Lavatory Doors	M/S-HF VADODARA	
39	Fire Extinguisher	M/S-SAFTEY PLUS	5817/5803
40	Automatic smoke & heat Detection with alarm System	M/S-SANROK	
41	Seat & Berth	M/S-OVPL MUMBAI	
42	Light Luggage Rack	M/S-TECHNO ALD	
43	Snack Table	M/S-GRANDMATTERS MOLD GURGAON	
44	Venturi grill	M/S-HF VADODARA	
45	RFID	NIL	

R. Sharma
25/11/2020
SSE/QC/MCF/RBL

कारखाना रायबरेली
गुणवत्ता विभाग
रेलवे कारखाना, रायबरेली (कलकत्ता)



MCF/RBL



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/2020-21/480

RLY	CR	COACH NO	204797/C	DATE OF DISPATCH	15-Sep-20
Type	LWACCN	Shell No.	93602	DISPATCH TO	SSE/C&W/WB/BB
				FUR.NO.	L3T-1453

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:

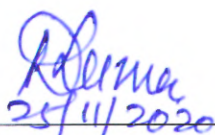
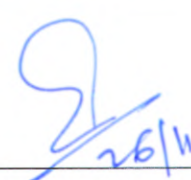
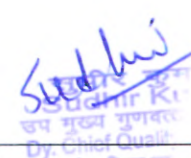
S NO	COMPONENTS	WARRANTY
1	Brake Pad, wheels, flushing valves, push gravity cocks, moldings, window glasses, mirrors, curtain clutch wire etc. (items which are consumable in nature)	NIL
2	Other coach furnishing sub assemblies(bought out items)	24 months from the date of dispatch of coach OR 30months from the date of supply of material whichever is earlier.

NOTE:

- 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 qualityrcfbl@gmail.com
- 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.

 25/11/2020 SSE/QC/MCF/RBL	 26/11 SME/AME/QC/MCF/RBL	 Dy.CQM/MCF/RBL
---	--	---

वरिष्ठ अनु० अभियंता
गुणवत्ता विभाग
रे०डि०का०, रायबरेली (बालगंज)

Assistant Mechanical Engineer / Quality-1
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: 01

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	
RAILWAY		CR		204797/C	
		ELECT. FIT DATE		14-09-2020	
				MCF FUR. NO.	
				3T-1453	
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		19.96 Cub mtr/min		OK
3.2	Return Air		51.88 Cub mtr/min		OK
3.3	Exhaust Air		7.04 Cub mtr/min		OK
3.4	Conditioned Air		166.41 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 : 21.3 °C NPP Side : 20.3 °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





Modern Coach Factory Raebareli
आधुनिक रेल डिब्बा कारखाना,
रायबरेली

DOC NO.: MCF/RBL/QEF/8001

REV NO: 01

DATE: 29.06.2020

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

Senior Section Engineer
Quality control / Electrical
Modern Coach Factory Raebareli



Modern Coach Factory Raebareli
आधुनिक रेल डिब्बा कारखाना,
रायबरेली

DOC NO.: MCF/RBL/QEF/8001

REV NO: 01

DATE: 29.06.2020

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 : INTEC Sr no of RMPU 1(NPP side) : 19L 1554 T2 Sr no of RMPU 2(PP side): 19J 1392 T2 Sr no of Microprocessor. : 19.10.2879	As per RDSO/PE/SPES/AC/0061/REV-1/2005	01 Set
02.	Switch board cabinet Make : MV Sr no : 20010074	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: DR AUTO PA Sr.no: 20/08/0102 Sr no.1: 3554 Sr no.2 : 3584 Sr.no.CPA: DR -2019/08/131	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 : EYANI	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: 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: 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: 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.

Senior Section Engineer
Quality control / Electrical
Modern Coach Factory Raebareli





Modern Coach Factory Raebareli
आधुनिक रेल डिब्बा कारखाना,
रायबरेली

DOC NO.: MCF/RBL/QEF/8001

REV NO: 01

DATE: 29.06.2020

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 : 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 : DEVINTEC	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: IMT	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-F3 & Drg no. LW 76095 v	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: DR AUTO	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 INDUSTREISES 2.(PP): MAA LAXMI INDUSTREISES	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 : HBL Lug date : 07/19	EDTS 129,Rev nil	01 set

Senior Section Engineer
Quality control / Electrical
Modern Coach Factory Raebareli





Modern Coach Factory Raebareilly
आधुनिक रेल डिब्बा कारखाना,
रायबरेली

DOC NO.: MCF/RBL/QEF/8001

REV NO: 01

DATE: 29.06.2020

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: HITACHI Sr. no.: 18121879	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: TECHNO Sr.no.: EBC/TR/018	EDTS163,REV-C,COR-2&3	01 no
34.	Provision of 5 KVA TFR Make: WAVES Sr no : WLDTS E20887	As Per EDTS-366,REV-NIL & CC-71510	01 no.
35.	Provision of capacitor Bank Make: KONTACT SL.no.: KT-263	As per EDML-130 Rev-1,Corr-1	01 no.
36.	60KVA transformer Make: VIMAL Sr no : VTC-R-3089-LHB-4367	As per spec no. RDSO/PE/SPEC/AC/0080-2007 (REV-1)	01 no.
37.	Feeder junction boxes. Make: MV ELECTROSYSTEMS	EDTS-328 REV-C	01 set
38.	Wheel set earthing equipment. Make: PRIME	EDTS101,REV-C,AM-1	01 set
39.	Wheel Slide Protection System (WSP) Make: KNORR Sr. no : 0119463389	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 ELECTRO.	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 परिउ अनुभाग अनियन्ता गुणवत्ता नियंत्रण आ०रे०डि०का० / लालगंज / रायबरेली S.S.E./Elect-QC/M.C.F./LLJ/RBL	AWM(ELECT.)/MCF/RBL SEE(P)/MCF/RBL

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

