



Modern Coach Factory Raebareilly
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/2020-21/1269

RLY	CR	COACH NO	211306/C	DATE OF DISPATCH	15-Mar-21
Type	LWACCN	Shell No.	20C141	DISPATCH TO	Sr.DME/C&W/LTT
				FUR.NO.	L3T-1577

1.	Railway Board's Order No.	: 2020/M(C)142/2, DATE-29.01.2020
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-CMT MECHANISED 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 1099/1105

6. TRACEABILITY OF SHELL ITEMS:

S NO	ITEM	MAKE/SUPPLIER	SERIAL NO
1	Under frame	Front Part	PP END M/S-OMAX AUTO
		NPP END	M/S-OMAX AUTO
	Complete	MCF/RBL-V4U TECHIE	20C141
2	Lav. side wall	M/S-MM DHARWAD LAV.1	----- LAV.2 -----
		M/S-MM DHARWAD LAV.3	----- LAV.4 -----
3	Side wall	LH SIDE	M/S-ECBT 136
		RH SIDE	M/S-ECBT 136
4	End wall	PP END	M/S-OMAX -----
		NPP END PP END	M/S-OMAX -----
5	Roof	M/S-ECBT	223
6	Centre Buffer Coupler	M/S-ESCORTS	NPP/PP 5989/6039

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.	08 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 WOW (S&A)	98/96	14-Oct-20
2	Insulation			Satisfactory		

SSE/QC/MCF/RBL
वरिष्ठ निरीक्षक
गुणवत्ता विभाग
रेलवे स्टेशन, 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/-1269

RLY	-	C	R	Coach No.	2	1	1	3	0	6	/	C	-	DATE OF DISPATCH	1	5	0	3	2	0	2	1
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DISPATCH	Sr.DME/C&W/LTT	Type	L	W	A	C	C	N	Shell No.	2	0	C	1	4	1	FUR .NO	L3T-1577
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9. DETAIL OF BOGIES:-

ITEMS	NPP Side				PP Side			
Bogie No	202724				202723			
Bogie Type	FIAT				FIAT			
Frame no.	V. S. - 2103				V. S. - 2095			
Bolster no.	APEX - 373				APEX - 372			
Axle No	20 B - 5246 RWF		21CB - 3493 RWF		21 C - 3435 RWF		21 C - 3841 RWF	
Wheel Dia	917.415	917.37	917.497	917.562	917.427	917.521	917.479	917.537
Wheel Disc No	TZ 09-20 26929-0TC9	TZ 09-20 26649-0TC3	TZ 09-20 33509-0SF3	TZ 07-20 43987-0PM3	TZ 09-20 27614-0SF6	TZ 09-20 27600-0SF5	TZ 06-20 43266-0PF7	TZ 08-20 34887-0RE6
R.B. Nos.	06-20 411629	06-20 504721	06-20 412581	06-20 505173	06-20 412702	06-20 411190	06-20 410565	06-20 412608
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-01-19- F16-156-109	CMFSK-11-18- 9513-475-481	CMFSK-02-20- F16-156-162	CMFSK-02-20- F16-156-162	CMFSK02-20- F16-156-123	CMFSK-07-20- 9513-443-478	CMRSK-02-20- F16-156-100	CMFSK-07-18- 9513-475-543
Compressed Ht. at Tested Load	513.5	466	514	464	514.5	468	515	467
Alignment deviation (mm)	11	9	12	9	13	11	13	13

11. TRACEABILITY OF BOGIE ITEMS:-

S. NO	ITEM	MAKE/ SUPPLIER	510SERIAL NO.	
			NPP SIDE20	PP SIDE
1.	Yaw Damper	IAI	337762,338826	338165,338849
2.	Primary outer Spring	CMSTL	01-19-F03-N76-03A-(2562,767,2386,1352)	01-19-F03-N76-03A-(2334,2582,2453,2548)
3.	Primary Inner Spring	CMGBD	08-20-F04-387-(21,523,315,73)	08-20-F04-387-(465,12,909,133)
4.	Primary Damper	IAI	01-20(300981,301080,299226,300599)	01-20(299051,298812,301192,299535)
5.	Secondary Damper	IAI	02-19(238179,277577)	04-19 (06332,05846)
6.	Lateral Damper	IAI	02-19 241254	04-19 0599
7.	Brake Cylinder	KBI	D-(2270,0606,0687,2251)-K-29	D-(2247,0695,0602,2242)-K-29
8.	Brake Caliper	KBI	C-(6897,6948,7032,6876)-29	C-(6875,7039,6946,6894)-29
9.	Brake Disc	HXDA	09-18-(48201015,48201013,48201010,48201012)	09-18-(41200802,50201180,47200870,47200866)
10.	Ball Joint Control Arm	GMT		
11.	Lateral Bump Stop	BONY		
12.	Traction Centre make	RNG		
13.	Traction lever make	TAJ		
14.	Ball joint traction lever	PRAG/BONY		
15.	Ball joint traction centre	BONY		
16.	Secondary Rubber Pad	TECSPAK		
17.	Rubber Spring	BONY		
18.	Anti roll bar Make	SF		
19.	Roll Link make	RF+AR		
20.	Fork make	RNG		
21.	Control Arm Upper	KUMAR	D-(5286,6045,5302), N-(3021)	N-(6307,6081,3286), D-6045
22.	Control Arm Lower	KUMAR	D-(1578,1678), N-(1664,2652)	D-(1664,4068), N-(3278,3172)
23.	Phonic Wheel	FAIVELY	FT/KEP/600	FT/KEP/600

Signature of SSE/Bogie/QC



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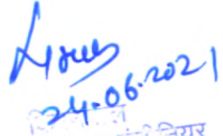
ROLLING STOCK CERTIFICATE
Rolling Stock Certificate No.: MCF/RBL/QC/RSC/2020-21/1269

RLY	CR	COACH NO	211306/C	DATE OF DISPATCH	15-Mar-21
Type	LWACCN	Shell No.	20C141	DISPATCH TO	Sr.DME/C&W/LTT
				FUR.NO.	L3T-1577

12. TRACEABILITY OF FURNISHING ITEMS:

S NO	ITEM	MAKE/SUPPLIER	SERIAL NO(NPP/PP)
1	Air Brake Module	M/S-FAIVELEY	6186 05/21
2	Distribution valve	M/S-FAIVELEY	2021A12811
3	Pull box	M/S-KBI	
4	FIBA	NIL	
5	Foot Step	M/S-FABRICON KOLKATA	
6	Decoupling arrangement	M/S-PULSAR RUBBER KOLKATA	
7	Floor board	M/S-TWPL MUMBAI	
8	PVC	M/S-CMT MECHNAISED VADODARA	
9	UIC Vestibule (PPE)	M/S-KRP PUNE	
10	UIC Vestibule (NPPE)	M/S-KRP PUNE	
11	Gangway bridge mounting (PPE)	M/S-RIS KXH	
12	Gangway bridge mounting (NPPE)	M/S-RIS KXH	
13	Body Side Window	M/S-CMT MECHNAISED VADODARA	
14	Emergency Window	M/S-CMT MECHNAISED VADODARA	
15	Lavatory/hopper Window	M/S-CMT MECHNAISED VADODARA	
16	Roof Ceiling	M/S-CMT MECHNAISED VADODARA	
17	Door way /gang way ceiling	M/S-J.R.JUC	
18	Supply Air Duct	M/S-HANSPAL KXH	
19	Side Wall panel	M/S-CMT MECHNAISED VADODARA	
20	Partition panel	M/S-CMT MECHNAISED VADODARA	
21	Partition pillar	M/S-CMT MECHNAISED VADODARA	
22	AC Trough	M/S-MSL MOHALI(PP)+MEENA FIBER(NPP)	
23	Body Side Doors	M/S-CMT MECHNAISED VADODARA	
24	Compartment Door (PPE)	M/S-POOJA SALES	
25	Compartment Door (NPPE)	M/S-HANSPAL KXH	
26	Vestibule Door(PPE)	M/s-KALSI LDH	
27	Vestibule Door(NPPE)	M/s-KALSI LDH	
28	RMPU	M/S-INTEC DEHRADUN	
29	Bio Tank	M/S-FLASH FORGE-02 NOS+JSL LIFE-02 NOS	
30	Pressurized flushing (ele. Pneu.)	M/S-OASIS	
31	Auxiliary Water Tank	M/S-SHIVALIK FAST MOHALI	
32	Under Slung Water Tank (2X685L)	M/S-OASIS	
33	Under Slung Water Tank (1x450 L)	M/S-OASIS	
34	Health Faucet	M/S-HFGW VADODARA	
35	Lotah Filler Tap	M/S-HFGW VADODARA	
36	Bib cock	M/S-JAQUAR ALWAR	
37	Lavatory Modules	M/S-CMT MECHNAISED VADODARA	
38	Lavatory Doors	M/S-CMT MECHNAISED VADODARA	
39	Fire Extinguisher	M/S-SAFEX FIRE	044378,044383
40	Automatic smoke & heat Detection with alarm System	NIL	
41	Seat & Berth	M/S-CMT MECHNAISED VADODARA	
42	Light Luggage Rack	M/S-CMT MECHNAISED VADODARA	
43	Snack Table	M/S-CMT MECHNAISED VADODARA	
44	Venturi grill	M/S-CMT MECHNAISED VADODARA	
45	RFID	NIL	

SSE/QC/MCF/RBL
गुणवत्ता विभाग
रेलवे कारखाना, रायबरेली (लालगंज)

		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/2020-21/1269						
RLY	CR	COACH NO	211306/C	DATE OF DISPATCH		15-Mar-21
Type	LWACCN	Shell No.	20C141	DISPATCH TO	Sr.DME/C&W/LTT	FUR.NO. L3T-1577
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 - year 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.						
 वरिष्ठ अभियंता SSE/QC/MCF/RBL मुख्यतंत्र विभाग		 मुख्य अभियंता SME/AME/QC/MCF/RBL आ. र. वि. विभाग MCF, RBL		 सुधीर कुमार Dy. Chief Quality Manager Dy. CQM/MCF/RBL Modern Coach Factory, Raebareli		
रेडिको, रायबरेली (लालगंज)						



GSTIN : 03ACBPK3400D1ZM
Excise Regn. No. ACBPK3400DXM001

G. S. INDUSTRIES

APPROVED BY

**N.S.I.C.
R.D.S.O.**

**ISO 9001-2015
ISO 14001-2015**

D-146, FOCAL POINT EXTENSION, JALANDHAR-144004

PHONE : (O) 0181-5081474
(M) 99882-65025, 99884-55459
Website : www.gspaints.com
e-mail : info@gspaints.com

WARRANTY CERTIFICATE

To,
DY.CME/FUR/PROGRESS
MODERN COACH FACTORY,
RAEBARELI, LALGANJ-229120

Date- 15/10/2020

Sub:- PERFORMANCE WARRANTY CERTIFICATE

PO NO. 31061800101632 DATED 01.10.2019

NAME OF WORK: - SUPPLY AND APPLY OF PU BASED WET ON WET APPLICABLE EXTERIOR PAINTING SYSTEM FOR LHB COACHES. AS PER SCOPE OF WORK AND MMDTS-18034 REV-02 WITH AMENDMENT NO. MP/RBL/B8 DT 28/05/2019 (EPOXY ELASTIFIED PAINT INSIDE THE COACH NOT TO BE CARRIED OUT ,PAINTING CYCLE TIME WILL BE 30 HRS AS MENTION IN MMDTS-18034 REV-02)

DEAR SIR,

With reference to above, we do here by confirm the warranty for six years of the date of application of delivered below mentioned coaches vide your above referred purchase order after application & due inspection at your end.

SR.	SHELL NO.	FURNISHING NO.	COACH NO.	Railway NO.	DATE OF COMPLETION
294	LWACCN 20C141	L37-1577	21306	CR	14/10/2020 14/10/2020

The warranty is applicable from date of dispatch against the below mention defects as per MCF specification no. MMDTS 18034 REV-2

- Gloss level value of applied paint-initial 95 unit(on the date of painting) and minimum 90%, 85%, 75% & 70% of initial gloss after 6 months, one years, four years and six years respectively from the date of application.
- Decolonization of paint film.
- Cracking of paint film.
- Peeling of paint film.
- Blistering of the paint film.
- The coach is warranted 6years for gloss retention, premature failure in colour retention (colour fading) or thatches/peel-off and blistering etc.,

Thanking you,

(Signature)



Modern Coach Factory Raebareli
आधुनिक रेल डिब्बा कारखाना,
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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		ELECT. FIT DATE	
				211306/C	
				11-03-2021	
				MCF FUR. NO.	
				3T-1577	
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			29.95 Cub mtr/min	OK
3.2	Return Air			76.48 Cub mtr/min	OK
3.3	Exhaust Air			5.75 Cub mtr/min	OK
3.4	Conditioned Air			171.42 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 : 20.3°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



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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 : INTEC Sr no of RMPU 1(NPP side) : 20J 2004 Sr no of RMPU 2(PP side): 20H 1970 Sr no of Microprocessor. : 19112973-SIDWAL	As per RDSO/PE/SPES/AC/0061/REV-1/2005	01 Set
02.	Switch board cabinet Make : NEC Sr no : 2020055318	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/0065 Sr no.1: 19060329 Sr no.2 : 19060330 Sr.no.CPA: 20/03/092-HIND	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: 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: 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: RT VISION	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: AGASTYA	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: RT VISION	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: RT VISION	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: N/A	. EDML047,ITEM-4	N/A

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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 : SALZER	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 : SALZER	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 : AGASTYA	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: DEVINTEC	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: DHINGRA	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: DEVINTEC	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): PRIME ELECT. 2.(PP): PRIME ELECT.	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 : 11/19	EDTS 129,Rev nil	01 set

Senior Section Engineer
Quality control / Electrical
Modern Coach Factory Raebareilly





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आधुनिक रेल डिब्बा कारखाना,
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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 : INDORAIL	LW 71001,Alt-H	01 no.
31.	Battery fuse box -ve Make : AECO	LW 71002,Alt-I	01 no.
32.	Provision of Regulated Battery Charger Make: HITACHI Sr. no.: 18101665	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 : BHASIN Sr.no.: 01207156	EDTS163,REV-C,COR-2&3	01 no
34.	Provision of 5 KVA TFR Make : VIMAL Sr no : VTC 3089 LHB 1568	As Per EDTS-366,REV-NIL & CC-71510	01 no.
35.	Provision of capacitor Bank Make: NEC SL.no.: 2020108092	As per EDML-130 Rev-1,Corr-1	01 no.
36.	60KVA transformer Make : VIMAL Sr no : VTC-R-3089-LHB-2621	As per spec no. RDSO/PE/SPEC/AC/0080-2007 (REV-1)	01 no.
37.	Feeder junction boxes. Make : LIGHT ENGG.	EDTS-328 REV-C	01 set
38.	Wheel set earthling equipment. Make : PRIME ELECT.	EDTS101,REV-C,AM-1	01 set
39.	Wheel Slide Protection System (WSP) Make : KNORR Sr. no : 0120295523	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: 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

S.S.E/Elect-QC	A.W.M/Electrical

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गुणवत्ता नियंत्रण
आपरेटिंग/का0 / लालगंज / रायबरेली
S.S.E/Elect-QC/M.C.F./LLJ/RBL

आपरेटिंग/का0 / लालगंज / रायबरेली
A.W.M/Electrical/MCF/RBL



MCF/RBL