



Modern Coach Factory Raebareli
आधुनिक रेल डिब्बा कारखाना, रायबरेली

DOC NO.: MCF/RBL/QMF 8002
REV NO: 02
DATE: 28.05.21

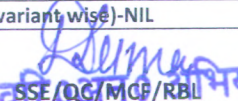
ROLLING STOCK CERTIFICATE(AC COACH)

Rolling Stock Certificate No.: MCF/RBL/QC/RSC/2021-2022 /10

RLY	CR	COACH NO	211610/C				DATE OF DISPATCH	1-Apr-21	
Type	LWACCN	Shell No.	20C116	DISPATCH TO	Sr DMF/C&W/ITT/BB			FUR NO.	13T-1545
1	Railway Board's Order No. : 2020/M (C)/142/2,Dt- dt-29.01.2020								
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	LWLRRM,LWCBAC,LFCWAC,LWSCZAC,LWFAC,LWFCZAC			
					4250	4039			
iv	CBC height/Buffer Height from Rail level				1105 +0/-10	NPP/PP	1103/1096		
6	TRACEABILITY OF SHELL ITEMS:								
S.N	ITEM		MAKE/SUPPLIER		SERIAL NO				
i	Under frame	Front	PP END	M/S-OMAX AUTO	-----				
		Part	NPP END	M/S-OMAX AUTO	-----				
		Complete	MCF/RBL-AIRCON		20C116				
ii	Lav. side wall			M/S-RAIL TECH KXH	LAV.1	-----	LAV.2	-----	
				M/S-RAIL TECH KXH	LAV.3	-----	LAV.4	-----	
iii	Side wall	LH SIDE	M/S-ECBT		112				
		RH SIDE	M/S-ECBT		112				
iv	End wall	PP END	M/S-SIPL		-----				
		NPP END	M/S-SIPL		-----				
v	Roof			M/S-ECBT	186				
vi	Centre Buffer Coupler			M/S-FRONTIETR	NPP/PP	100P2/17P2			
vii	Buffer			NIL	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.		7 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		OK		
ii	Heat detection	A-controller should display smoke/heat in zone 1,2			B- strobe light & hooter should activate		OK		
9	PAINTING DETAILS:								
S.N	DESCRIPTION	TYPE OF PAINT	MAKE	APPLICATION BY MCF/ CONTRACTOR (SUPPLY & APPLY)		AVERAGE GLOSS VALUE		DATE OF COMPLETION	
i	Paint	P.U	VIBGYOR	M/S-VIBGYOR		92/90		7-Oct-20	
ii	Insulation	Satisfactory							
10	COACH FURNISH DETAILS :								
S.N	ACTIVITIES		FIRM		TURNKEY/WORK CONTRACT/SUPPLY&APPLY				
i	Coach Furnishing	M/S-CMT VADODARA		TURNKEY					
ii	Air Brake	M/S-SR ENT.		WORK CONTRACT					
iii	Bio toilet & flushing	M/S-HFGW VADODARA		TURNKEY					
iv	Fire detection	NIL		NIL					

Ramesh
SSE/QC/MCF/RBL
13/05/2021
गुणवत्ता विभाग
रेडिओका0, रायबरेली (लालगंज)

		Modern Coach Factory Raebareli आधुनिक रेल डिब्बा कारखाना, रायबरेली		DOC NO.: MCF/RBL/QMF 8002 REV NO: 02 DATE: 28.05.2021	
ROLLING STOCK CERTIFICATE(AC COACH)					
Rolling Stock Certificate No.: MCF/RBL/QC/RSC/2021-2022 /10					
RLY	CR	COACH NO	211610/C	DATE OF DISPATCH	1-Apr-21
Type	LWACCN	Shell No.	20C116	DISPATCH TO	Sr.DME/C&W/LTT/BB
				FUR.NO.	L3T-1545
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-FAIVELEY	B21103B		
ii	Distribution valve	M/S-FAIVELEY	B215612B		
iii	Pull box	M/S-FAIVELEY			
iv	FIBA	NIL	NIL		
v	Foot Step	M/S-FABRICON INDS KOLKATA			
vi	Decoupling arrangement	M/S-PULSAR INDS KOLKATA			
vii	Floor board	M/S-TWPL MUMBAI			
viii	PVC	M/S-CMT VADODARA			
ix	UIC Vestibule (PPE)	M/S-SUNCREST KOLKATA			
x	UIC Vestibule (NPPE)	M/S-SUNCREST KOLKATA			
xi	Gangway bridge mounting (PPE)	M/s- RIS KXH			
xii	Gangway bridge mounting (NPPE)	M/s- RIS KXH			
xiii	Body Side Window	M/S-CMT VADODARA			
xiv	Emergency Window	M/S-CMT VADODARA			
xv	Lavatory/hopper Window	M/S-CMT VADODARA			
xvi	Roof Ceiling	M/S-CMT VADODARA			
xvii	Door way /gang way ceiling	M/S-J R INDS			
xviii	Supply Air Duct	M/s-SAHAI SEATING KXH			
xix	Partition panel	M/S-CMT VADODARA			
xx	Partition pillar	M/S-CMT VADODARA			
xxi	Side Wall panel	M/S-CMT VADODARA			
xxii	AC Trough	M/S-BHARAT FIBER LKO(PP)+MSL MOHALI(NPP)			
xxiii	Body Side Doors	M/S-CMT VADODARA			
xxiv	Compartment Door (PPE)	M/s-HANSPAL KXH			
xxv	Compartment Door (NPPE)	M/s-HANSPAL KXH			
xxvi	Vestibule Door(PPE)	M/s-JBM FARIDABAD			
xxvii	Vestibule Door(NPPE)	M/s-JBM FARIDABAD			
xxviii	RMPU	M/S-AMIT ENGG SALON			
xxix	Bio Tank	M/s-FLASH FORGE-02 NOS+JSL LIFE -02 NOS			
xxx	Pressurized flushing (ele. Pneu.)	M/S-SPAC			
xxxi	Auxiliary Water Tank	M/S-SHIVALIK FAST MOHALI			
xxxii	Under Slung Water Tank (2X685L)	M/S-SHIVALIK FAST MOHALI			
xxxiii	Under Slung Water Tank (1x450 L)	M/S-AMIT ENGG. MOHALI			
xxxiv	Health Faucet	M/S-HFGW VADODARA			
xxxv	Lotah Filler Tap	M/S-HFGW VADODARA			
xxxvi	Bib cock	M/S-JAQUAR ALWAR.			
xxxvii	Lavatory Modules	M/S-CMT VADODARA			
xxxviii	Lavatory Doors	M/S-CMT VADODARA			
xxxix	Fire Extinguisher	M/S-SHAAN	372/207		
xxxx	Seat & Berth	M/S-CMT VADODARA			
xxxxi	Snack Table	M/S-CMT VADODARA			
xxxxii	Light Luggage Rack	M/S-CMT VADODARA			
xxxxiii	Venturi grill	M/S-CMT VADODARA			
xxxxiv	Auto janitor	M/S-CMT VADODARA			
xxxxv	Automatic smoke & heat Detection with alarm System	NIL			
14.B	TRACEABILITY OF FURNISHING ITEMS:(items for variant wise)-NIL				


 SSE/QC/MCF/RBL
 गुणवत्ता विभाग
 ०६०५०, रायबरेली (लालगंज)



MODERN COACH FACTORY, RAEBARELI

आधुनिक रेल डिब्बा कारखाना, रायबरेली

DOC NO.: MCF/RBL/QMF 8002

REV NO.: 01

DATE: 28.05.2021

ROLLING STOCK CERTIFICATE (AC COACH)

Rolling Stock Certificate No.: MCF/RBL/QC/RSC/2021-22/-10

RLY	C	R	-	Coach No.	2	1	1	6	1	0	/	C	-	DATE OF DISPATCH	0	1	0	4	2	0	2	1
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DISPATCH	Sr.DME/C&W/LTT/BB	Type	L	W	A	C	C	N	Shell No.	2	0	C	1	1	6	FUR .NO	L3T-1545
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9. DETAIL OF BOGIES:-

ITEMS	NPP Side				PP Side			
Bogie No	202777				202778			
Bogie Type	FIAT				FIAT			
Frame no.	SIMPLEX- 250				SIMPLEX- 268			
Bolster no.	APEX - 398				MCF/RBL - 3024			
Axle No	21 C - 5991 RWF		21C - 4350 RWF		21 C - 3915 RWF		21 B - 8902 RWF	
Wheel Dia	917.463	917.636	917.416	917.558	917.504	917.585	917.474	917.571
Wheel Disc No	TZ 09-20 29773-OSD1	TZ 09-20 27677-OSD6	TZ 09-20 25690-0SE0	TZ 09-20 25689-0SE0	TZ 09-20 27678-OSD6	TZ 09-20 27591-OTD8	TZ 09-20 29200-OTD1	TZ 09-20 27647-OSF6
R.B. Nos.	09-20 428894	09-20 429004	09-20 429299	09-20 424262	09-20 430174	09-20 427684	09-20 426735	08-20 424536
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.	CMAFJ01-20 5101-71	CMGBD02-20 F08-838-43	CMAFJ01-20 5101-47	CMGBD02-20 F08-838-59	CMFSK12-19 8836-11	CMFSK01-19 9513- 099-463	CMAFJ12-19 8836-19-	CMFSK01-19-9513- 099
Compressed Ht. at Tested Load	516	472	516	471	512	464	512	480
Alignment deviation (mm)	15	21	15	20	6	11	5	11

11. TRACEABILITY OF BOGIE ITEMS:-

S. NO	ITEM	MAKE/ SUPPLIER	510SERIAL NO.	
			NPP SIDE20	PP SIDE
1.	Yaw Damper	IAI	338256,338457	338653,338453
2.	Primary outer Spring	CMSTL	01-19 F03-N79-03A--(2728,2486,1243,2423)	01-19 F03-N79-03A--(1437,2552,868,2289)
3.	Primary Inner Spring	CMGBD	08-20 F04-387-(13,224,40,3)	08-20 F04-387-(45,156,41,43)
4.	Primary Damper	GABRIEL	05-20 (1248,1241,1240,1244)	05-20 (1249,1229,1242,1250)
5.	Secondary Damper	IAI/KONI	06-20 (326622,326388)	04-19 (06756,06750)
6.	Lateral Damper	IAI/KONI	02-20 0303696	03-19 00269
7.	Brake Cylinder	FAV	M20(036,,),L20-(192,099),N20-058	M20(209,,),L20-(185),A21-(148,155)
8.	Brake Caliper	FAV	A21(086,088,069,072)-B	A21(055,053,0303,306)-B
9.	Brake Disc	KBI	24241015 0052-48/20,24241015 0051-58/20 24241011 0074-48/20,24241014 0072-48/20	24241013 0045-47/20,24241012 0040-47/20 24241013 0043-47/20,24241013 0034-47/20
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	BONY		
15.	Ball joint traction centre	PPI		
16.	Secondary Rubber Pad	TECSPAK		
17.	Rubber Spring	PRAG		
18.	Anti roll bar Make	SF(SARITA)		
19.	Roll Link make	JUR+ARYAN JUR+BONY		
20.	Fork make	RNG		
21.	Control Arm Upper	SF	H118,H117,H87,H80	H226,H88,SF,H180
22.	Control Arm Lower	SF	H118,H88,H66,H250	H128,H67,H28,H17
23.	Phonic Wheel	KBI	01-21	01-21

Signature of SSE/Bogie/QC

SME/AME/QC/MCF/RBL

Dy.CQM/MCF/RBL

Assistant Mechanical Engineer
आधुनिक रेल डिब्बा कारखाना, रायबरेली
Modern Coach Factory, RaebareillyDy. Chief Quality Manager
आधुनिक रेल डिब्बा कारखाना, रायबरेली
Modern Coach Factory, Raebareilly



Vibgyor Paints & Chemicals Pondicherry

Office : Sri Balaji Apartments, 87/47, Harrington Road,
Shenoy Nagar, Chennai - 600 030.
Web : www.vibgyorpaintspondicherry.com

ISO : 9001 : 2008
ISO : 14001 : 2004
Certified Company

WARRANTY CERTIFICATE

To,

DY.CME/FUR/PAINT
MODERN COACH FACTORY
RAJIBARELI, LALGANJ- 229120

Date:- 14/10/2020

SUBJECT:- PERFORMANCE WARRANTY CERTIFICATE

REF: PO NO: 31061800101158 dated 20.08.2019

NAME OF WORK: SUPPLY AND APPLY OF PU PAINT FOR LHB TYPE RAJDHANI COACHES

Dear Sir,

With reference to above, we do hereby confirm the warranty for Three years from the date of application of the delivered below mention coaches vide your above referred purchase order at the application & date inspection at your end.

SL NO	SHELL NO	FURNISHING NO	COACH NO	RAILWAY NO	DATE OF COMPLETION
501	LW ACCN 20C116	L3T 1545	211610	CR	07/10/2020

The warranty is applicable from date of despatch against the below mention defects as per RDSO Specification no. M&C/PCN/100/2013.

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

Decolorization of paint film.
Cracking of paint film
Peeling of paint film
Blistering of the paint film



Thanking You

For Vibgyor paints & chemicals Pondicherry
Authorized Signatory

Factory : S-51, Phase III, Sipcot Industrial Complex, Nellikuppam, Ranipet - 632 405.
Ph : +91-4172-241478, Fax : +91-4172-242478, E-mail : vpcpdyr@yahoo.in

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Modern Coach Factory Raebareli

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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	
RAILWAY		CR		211610/C	
		ELECT. FIT DATE		MCF FUR. NO.	
		25-03-2021		3T-1545	
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		29.00 Cub mtr/min		OK
3.2	Return Air		71.71 Cub mtr/min		OK
3.3	Exhaust Air		7.15 Cub mtr/min		OK
3.4	Conditioned Air		164.50 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 : 20.5 °C NPP Side : 20.4 °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 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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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 : AMIT ENGG. Sr no of RMPU 1(NPP side) : 5895 B Sr no of RMPU 2(PP side): 5905 B Sr no of Microprocessor. : AE 2102122	As per RDSO/PE/SPES/AC/0061/REV-1/2005	01 Set
02.	Switch board cabinet Make : ISG Sr no : SBC-MCF-21-01-0261	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/0027 Sr no.1: 19060253 Sr no.2 : 19060254 Sr.no.CPA: 18120769-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 : 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: 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: 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

Senior Section Engineer
Quality control / Electrical
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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 : 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: DR AUTO	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
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DOC NO.: MCF/RBL/QEF/8001

REV NO: 01

DATE: 29.06.2020

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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: HITECH	As per drgno 1 10113 0 76 700 005, Alt C	01 no.
30.	Battery fuse box +ve Make : RSI	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.: 18101657	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.: 01207070	EDTS163, REV-C, COR-2&3	01 no
34.	Provision of 5 KVA TFR Make : VIMAL Sr no : VTC 3089 LHB 1672	As Per EDTS-366, REV-NIL & CC-71510	01 no.
35.	Provision of capacitor Bank Make: NEC SL.no.: 2020108105	As per EDML-130 Rev-1, Corr-1	01 no.
36.	60KVA transformer Make : VIMAL Sr no : VTC-R-3089-LHB-3843	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 earthing equipment. Make : PRIME ELECT.	EDTS101, REV-C, AM-1	01 set
39.	Wheel Slide Protection System (WSP) Make : FAIVELEY Sr. no : 13169	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

SSE/EL/QC	AWM(ELECT.)/MCF/RBL

वरिष्ठ अनुभाग अभियन्ता

गुणवत्ता नियंत्रण

आरंभिक/लालगंज/रायबरेली

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

AWM(ELECT.)/MCF/RBL

आरंभिक/लालगंज/रायबरेली

A.W.M./Electrical/MCF/RBL

