



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 703

RLY	CR	COACH NO	213030/C				DATE OF DISPATCH	22-Sep-21			
Type	LWACCN	Shell No.	21C146	DISPATCH TO	Sr.DME/C&W/LTT/BB		FUR.NO.	L3T-1872			
1	Railway Board's Order No.			:2020 (C)/142/2, Dt- 29.01.2021							
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			
iv	CBC height/Buffer Height from Rail level			1105 +0/-10		NPP/PP		1103/1102			
6	TRACEABILITY OF SHELL ITEMS:										
S.N	ITEM			MAKE/SUPPLIER		SERIAL NO					
i	Under frame	Front	PP END	M/S-OMAX AUTO LTD		-					
		Part	NPP END	M/S-AMIT ENG		-					
		Complete		M/S-V4U TECHIE		132					
ii	Lav. side wall			M/S-M.M INDUS DHARWAD	LAV.1	-----	LAV.2	-----			
				M/S-M.M INDUS DHARWAD	LAV.3	-----	LAV.4	-----			
iii	Side wall	LH SIDE		M/S-ECBT CHANDIGARH	231						
		RH SIDE		M/S-ECBT CHANDIGARH	231						
iv	End wall	PP END		M/S-DTL PUNE	-----						
		NPP END		M/S-DTL PUNE	-----						
v	Roof			MCF/CONT.P.S	11						
vi	Centre Buffer Coupler			M/S-SANROK	NPP/PP	19002/18984					
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.		09 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 SIDE WALL/END WALL		DATE OF COMPLETION
i	Paint	P.U		M/S-VIBGYOR		M/S-VIBGYOR		76/96		18-Sep-21	
ii	Insulation-	Satisfactory		ANTIGRAFFITE COATING-		NIL		WET ON WET-		NIL	
10	COACH FURNISH DETAILS :										
S.N	ACTIVITIES			FIRM		TURNKEY/WORK CONTRACT/SUPPLY&APPLY					
i	Coach Furnishing			M/S-SRI DHANLAKSMI ENGG		WORK CONTRACT					
ii	Air Brake			M/S-FLUID CONTROL		SUPPLY&APPLY					
iii	Bio toilet & flushing			M/S-VEDANSH ENT.		SUPPLY&APPLY					
iv	Fire detection			M/S-SANROK ENT.		SUPPLY&APPLY					

SSE/QC/MCF/RBL

वरि०अनु० आभियंता
गुणवत्ता विभाग
रे०डि०का०, रायबरेली (लालगंज)



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RLY	CR	COACH NO	213030/C	DATE OF DISPATCH	22-Sep-21		
Type	LWACCN	Shell No.	21C146	DISPATCH TO	Sr.DME/C&W/LTT/BB	FUR.NO.	L3T-1872

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	REFERENCE & PERIOD OF TRIAL
			Frequency	
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	0985-23/21
ii	Distribution valve	M/S-KBI	2021F14082
iii	Pull box	M/S-KBI	
iv	FIBA	M/S-KBI	22654/29,22655/29
v	Foot Step	M/S-SHANKAR METAL WORKS KANPUR	
vi	Decoupling arrangement	M/S-PULSAR RUBBER KOLKATA	
vii	Floor board	M/S-SHRI RAM PANEL PVT LTD.	
viii	PVC	M/S-RESPONSIVE MUMBAI	
ix	UIC Vestibule (PPE)	M/S-KIRAN RUBBER PRODUCT PUNE	
x	UIC Vestibule (NPPE)	M/S-SUNCREST KOLKATA	
xi	Gangway bridge mounting (PPE)	M/S-SHAWAT STEEL WORKS MUMBAI	
xii	Gangway bridge mounting (NPPE)	M/S-SHAWAT STEEL WORKS MUMBAI	
xiii	Body Side Window	M/S-BIRCON ENGG. INDUS GZB	
xiv	Emergency Window	M/S-BIRCON ENGG. INDUS GZB	
xv	Lavatory/hopper Window	M/S-AIKON ENT. SOLAN	
xvi	Roof Ceiling	M/S-FIBRO PLASTIC KOLKATA	
xvii	Door way /gang way ceiling	M/S-GANDHI SAFE & ALLIED JUC	
xviii	Supply Air Duct	M/S-AMIRCHAND ENGG. JALANDHAR	
xix	Partition panel	M/S-PUNJAB LAMINATE UNA(HONEYCOMB)	
xx	Partition pillar	M/S-RAIL TECH KXH	
xxi	Side Wall panel	M/S-FIBRO PLASTIC KOLKATA	
xxii	AC Trough	M/S-H.F.GLASS VADODARA	
xxiii	Body Side Doors	M/S-SVARN (1)+JVR LDH(2,3,4)	
xxiv	Compartment Door (PPE)	M/S-POOJA SALES HARYANA	
xxv	Compartment Door (NPPE)	M/S-POOJA SALES HARYANA	
xxvi	Vestibule Door(PPE)	M/S-JBM INDUS FARIDABAD	
xxvii	Vestibule Door(NPPE)	M/S-JBM INDUS FARIDABAD	
xxviii	RMPU	M/S-AMIT ENG SOLAN (H.P)	
xxix	Bio Tank	M/S-OMAX AUTO LTD	
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-OASIS	
xxxiii	Under Slung Water Tank (1x450 L)	M/S-SHIVALIK FAST MOHALI	
xxxiv	Health Faucet	M/S-VENKATESHWARA FIBRE GLASS CHENNAI	
xxxv	Lotah Filler Tap	M/S-VENKATESHWARA FIBRE GLASS CHENNAI	
xxxvi	Bib cock	M/S-JAL,JUPITER AQUA LINES LTD MOHALI	
xxxvii	Lavatory Modules	M/S-VENKATESHWARA FIBRE GLASS CHENNAI	
xxxviii	Lavatory Doors	M/S-VENKATESHWARA FIBRE GLASS CHENNAI	
xxxix	Fire Extinguisher	M/S-SHANN INDUS FIRE	567/578
xxxx	Seat & Berth	M/S-ADVANCED SILICON PALWAL	
xxxxi	Snack Table	M/S-DLJM NOIDA	
xxxxii	Light Luggage Rack	M/S-SRI MAHAVEER ENTS.CHENNAI	
xxxxiii	Venturi grill	M/S-VENKATESHWARA FIBRE GLASS CHENNAI	
xxxxiv	Auto janitor	M/S-VENKATESHWARA FIBRE GLASS CHENNAI	
xxxxv	Automatic smoke & heat Detection with alarm System	M/S-SANROK ENT.	

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

i	Vacuum toilet system	NA
ii	Odour control system	NA
iii	CCTV	NA

SSE/QC/MCF/RBL

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MODERN COACH FACTORY, RAEBARELI

आधुनिक रेल डिब्बा कारखाना, रायबरेली

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DATE: 28.05.2021

ROLLING STOCK CERTIFICATE (AC COACH)
Rolling Stock Certificate No.: MCF/RBL/QC/RSC/2021-22/-703

RLY	-	C	R	-	Coach No.	2	1	3	0	3	0	/	C	-	DATE OF DISPATCH	2	2	0	9	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	1	C	1	4	6	FUR. NO	L3T-1872
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15. DETAIL OF BOGIES:

ITEMS	NPP Side				PP Side			
Bogie No	211315				211316			
Bogie Type	FIAT				FIAT			
Frame no.	VS-370				VS-370			
Bolster no.	MCF/RBL/LSS-2385				APEX-596			
Axle No	21D-3680 RWF		21D-4441 RWF		21D-3661 RWF		21E 0220 RWF	
Wheel Dia	917.554	917.452	917.51	917.384	917.625	917.415	917.346	917.615
Wheel Disc No	TZ-09-20-28266-0TD9	TZ-09-20-34855-ORD8	TZ-09-20-31399-0SE1	TZ-09-20-31400-0SE1	TZ-09-20-25213-0TC1	TZ-09-20-25306-0TC6	TZ-09-20-25032-0SD2	TZ-09-20-25033-0SD2
Nos.	03-20-404145	05-20 404989	03-20 403515	05-20 405810	03-20-403476	05-20 405008	05-20 405437	05-20 404673
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.- 21-05 1220	RESISTO FLEX Sr.No.- 21-05 2007	RESISTO FLEX Sr.No.- 21-05 2037	RESISTO FLEX Sr.No.- 21-05 1960

17. TRACEABILITY OF BOGIE ITEMS :-

S. NO	ITEM	MAKE/SUPPLIER	SERIAL NO.	
			NPP SIDE	PP SIDE
1.	Yaw Damper	IAI	AB-(28248,28157)	AB-(28427,28360)
2.	Primary outer Spring	CMAFI	07-21-(79,24,473,04)	11-20-F01-155-(96,170,202,151)
3.	Primary Inner Spring	CMGBD	12-20-F04-956-(253,09,06,30)	12-20-F04-956-(131,243,64,214)
4.	Primary Damper	IAI	01-20-(300923,309595,298744,201856)	12-19-299020,11-19-281973,12-19-300279,2-21-AB14999)
5.	Secondary Damper	GABRIEL	3-21-(114,121)	03-21-(120,115)
	Lateral Damper	IAI	01-20-297903	01-20-297882
	Brake Cylinder	KBI	D(5411,3838,5412,2882)-K-29	D(5456,3870,5457,3871)-K-29
8.	Brake Caliper	KBI	2921269841,2921269987,2921269940,2921269985	2921269843,2921269988,2921269842,2921269986
9.	Brake Disc	KBI	24258125-(0048,0049)-21-21,24255610-0012-16-21,24255609-0074-16-21	24260229-(0006,0005)-23-21,24258143-(0055,0054)-22-21
10.	Ball Joint Control Arm	BONY		
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	AR		
16.	Leveling Valve	KNORR	15-21-D33891 4-21-D2826	15-21-D3388,15-21-D3006
17.	Check Valve	KNORR	04-21-29869	04-21-29786
18.	Anti roll bar Make	SF		
19.	Roll Link make	SF+BONY		
20.	Fork make	RNG		
21.	Control Arm Upper	SF	(75,29,183,85)	(56,33,13,98)
22.	Control Arm Lower	SF	(28,41,24,34)	(81,24,265,55)
23.	Phonic Wheel	KBI	K-06-21	K-06-21

Signature of SSE/Bogie/QC	SME/AME/QC/MCF/RBL	Dy. CQM/MCF/RBL

उप मुख्य गुणवत्ता प्रबंधक
Dy. Chief Quality Manager
आधुनिक रेल डिब्बा कारखाना, रायबरेली
Modern Coach Factory, Raebareli

MCF/RBL



Vibgyor Paints & Chemicals Pondicherry

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

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ISO : 14001 : 2015
Certified Company

WARRANTY CERTIFICATE

To,

DY.CME/FP&PAINT
MODERN COACH FACTORY
RAEBARELI, LALGANJ- 229120

Date:- 20/09/2021

SUBJECT: -PERFORMANCE WARRANTY CERTIFICATE
REF: PO NO: 06201016101293 DATED-10.09.2020

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/BB 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 from the date of application of the delivered below mention coaches vide your above referred purchase order after application & date inspection at your end.

SL.NO	SHELL NO	FURNISHING NO	COACH NO	RAILWAY NO	DATE OF COMPLETION
90	LWACCN 21C146	L3T 1872	213030	CR	24/08/2021 18/09/2021

The warranty is applicable from date of despatch against the below mention defects as per RDSO Specification no. MMDTS 18034 REV-02

Gloss should be above 70 at 60 degree during the initial period and entire life of 6 years

Decolourization of paint film.

Cracking of paint film

Peeling of paint film

Blistering of the paint film

Note- It is certified that Gloss value

Before Antigrffiti gloss value- 96.86

2 After Antigrffiti gloss value- 75.51

1

Amis

Thanking You
For Vibgyor paints & chemicals Pondicherry

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, ramuvibgyor@yahoo.in

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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.					
TYPE COACH		LWACCN		SHELL/COACH NO	
RAILWAY		CR		213030/C	
		ELECT. FIT DATE		20-09-2021	
				MCF FUR. NO.	
				3T-1872	
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		68.70 Cub mtr/min		OK
3.3	Exhaust Air		7.15 Cub mtr/min		OK
3.4	Conditioned Air		177.52 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 : 22.3°C NPP Side : 21.2°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.				----

SAT
Senior Section Engineer
Quality control / Electrical
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.		
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) : 6358 E Sr no of RMPU 2(PP side): 6335 E Sr no of Microprocessor. : AE 2108070	As per RDSO/PE/SPES/AC/0061/REV-1/2005	01 Set
02.	Switch board cabinet Make : NEC Sr no : 2021019099	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: HIND PA Sr.no: 21/05/939 Sr no.1: 21/05/1917 Sr no.2 : 21/05/1918 Sr.no.CPA: 21/04/992-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 : ARIHANT	EDTS331, TYPE-1 CORR.-1&2	02 no.
05.	Provision of Passenger area LED Light(Cabin) Make: FIEM	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: ENSAVE	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: AKG	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: ELECTROWAVES	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: AGASTYA	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: INTRA	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
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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 : 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 : 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 : 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: 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: DEVINTEC	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): 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 : 02/21	EDTS 129,Rev nil	01 set

Senior Section Engineer
Quality control / Electrical
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आधुनिक रेल डिब्बा कारखाना, रायबरेली

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REV NO: 01

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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: METAFIL	As per drgno 1 10113 0 76 700 005,Alt C	01 no.
30.	Battery fuse box +ve Make : NEC	LW 71001,Alt-H	01 no.
31.	Battery fuse box -ve Make : KKI POWER	LW 71002,Alt-I	01 no.
32.	Provision of Regulated Battery Charger Make: SIGNOTRON Sr. no.: 05212325	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 : 01210480	As Per EDTS-366,REV-NIL & CC-71510	01 no.
35.	Provision of capacitor Bank Make: RICHMOND SL.no.: 341633	As per EDML-130 Rev-1,Corr-1	01 no.
36.	60KVA transformer Make : VIMAL Sr no : VTC @ 3089 LHB-5277	As per spec no. RDSO/PE/SPEC/AC/0080-2007 (REV-1)	01 no.
37.	Feeder junction boxes. Make : RSI	EDTS-328 REV-C	01 set
38.	Wheel set earthing equipment. Make : S.INTERATIONALS	EDTS101,REV-C,AM-1	01 set
39.	Wheel Slide Protection System (WSP) Make : KNORR Sr. no : 0120366641	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

SSE/EL/QC वरिष्ठ अनुभाग अभियन्ता गुणवत्ता नियंत्रण आर०रे०डि०का० / लालगंज / रायबरेली S.S.E./Elect-QC/M.C.F./LLJ/RBL	AWM(ELECT.)/MCF/RBL SEE(P)/MCF/RBL स० कार्य प्रबंधक, नियुक्त आ०रे०डि०का० / रायबरेली www/Electrical/MCF/RBL