



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 /794

RLY	CR	COACH NO	213244/C				DATE OF DISPATCH	11-Oct-21	
Type	LWACCN	Shell No.	20C106	DISPATCH TO	Sr.DME/C&W/LTT/BB		FUR.NO.	L3T-1565	
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		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		1105/1105	
6	TRACEABILITY OF SHELL ITEMS:								
S.N	ITEM			MAKE/SUPPLIER		SERIAL NO			
i	Under frame	Front	PP END	M/S-SICO		344			
		Part	NPP END	M/S-SICO		344			
		Complete		M/S-SICO		344			
ii	Lav. side wall			M/S-M.M. DHARWAD		LAV.1	-----	LAV.2	-----
				M/S-M.M. DHARWAD		LAV.3	-----	LAV.4	-----
iii	Side wall	LH SIDE		M/S-ECBT		120			
		RH SIDE		M/S-ECBT		120			
iv	End wall	PP END		M/S-DTL		-----			
		NPP END		M/S-DTL		-----			
v	Roof			M/S-ECBT		106			
vi	Centre Buffer Coupler			M/S-FRONTIER		NPP/PP		268P1/353P2	
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.		08 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		75/95		4-Oct-21	
ii	Insulation-	Satisfactory		ANTIGRAFFITE COATING- YES		WET ON WET-		YES	
10	COACH FURNISH DETAILS :								
S.N	ACTIVITIES		FIRM		TURNKEY/WORK CONTRACT/SUPPLY&APPLY				
i	Coach Furnishing		M/S-HFGW VADODARA		WORK CONTRACT				
ii	Air Brake		M/S-PINGKASH		WORK CONTRACT				
iii	Bio toilet & flushing		M/S-VEDANSH ENT.		SUPPLY&APPLY				
iv	Fire detection		M/S-J.K EXIM PVT LTD		SUPPLY&APPLY				

12/01/22
SSE/QC/MCF/RBL

वरिष्ठ निरीक्षक
गुणवत्ता विभाग
रेडिओकॉ, रायबरेली (लालगंज)



Modern Coach Factory Raebareli
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RLY	CR	COACH NO	213244/C	DATE OF DISPATCH	11-Oct-21
Type	LWACCN	Shell No.	20C106	DISPATCH TO	Sr.DME/C&W/LTT/BB
11	MODIFICATION (IF ANY)		: NIL		
12	DEVIATION (IF ANY)		: NIL		
13	ITEM FITTED ON THE COACH ON TRIAL		: NIL		
FUR.NO.	L3T-1565				

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-KBI	6916 -07/2021
ii	Distribution valve	M/S-KBI	14460-07/2021
iii	Pull box	M/S-KBI	
iv	FIBA	NIL	NIL
v	Foot Step	M/S-SHANKAR METAL WORKS KANPUR	
vi	Decoupling arrangement	M/S-PULSAR RUBBER KOLKATA	
vii	Floor board	M/S-SRI RAM PNL	
viii	PVC	M/S-PREMIER POLYFILM GZB	
ix	UIC Vestibule (PPE)	M/S-KRP PUNE	
x	UIC Vestibule (NPPE)	M/S-KRP PUNE	
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-SHATABDI SAFETY VADODARA	
xiv	Emergency Window	M/S-SHATABDI SAFETY VADODARA	
xv	Lavatory/hopper Window	M/S-SHATABDI SAFETY VADODARA	
xvi	Roof Ceiling	M/S-JBMR	
xvii	Door way /gang way ceiling	M/S-P.D STEEL PANCHKULA	
xviii	Supply Air Duct	M/S-P.D STEEL PANCHKULA	
xix	Partition panel	M/S-MILTON IND.AHMADABAD(HONEYCOMB)	
xx	Partition pillar	M/S-NEW NAGINA ENGG KXH	
xxi	Side Wall panel	M/S-CMT VADODARA	
xxii	AC Trough	M/S-MOBILITY SOLUTION MOHALI	
xxiii	Body Side Doors	M/S-HFGW VADODARA	
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-SIDWALL LTD	
xxix	Bio Tank	M/S-JSL LIFE STYLE	
xxx	Pressurized flushing (ele. Pneu.)	M/S-AIR FLOW	
xxxi	Auxiliary Water Tank	M/S-SHIVALIK FAST MOHALI	
xxxii	Under Slung Water Tank (2X685L)	M/S-VISHAL GAS SERVICES	
xxxiii	Under Slung Water Tank (1x450 L)	M/S-AMIT ENG. MOHALI	
xxxiv	Health Faucet	M/S-HFGW VADODARA	
xxxv	Lotah Filler Tap	M/S-HFGW VADODARA	
xxxvi	Bib cock	M/S-JAL,JUPITER AQUA LINES LTD MOHALI	
xxxvii	Lavatory Modules	M/S-CMT VADODARA	
xxxviii	Lavatory Doors	M/S-CMT VADODARA	
xxxix	Fire Extinguisher	M/S-SHAAN	384/405
xxxx	Seat & Berth	M/S-ANANYA RCC LLJ	
xxxxi	Snack Table	M/S-DLJM NOIDA	
xxxii	Light Luggage Rack	M/S-SRI MAHAVEER ENTS.CHENNAI	
xxxiii	Venturi grill	M/S-CMT VADODARA	
xxxiv	Auto janitor	M/S-CMT VADODARA	
xxxv	Automatic smoke & heat Detection with alarm System	M/S-J.K EXIM PVT LTD	

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

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

12/01/22
वरिष्ठ/डी.एम.ए. विभागा
गुणवत्ता विभाग
ने०डि०का०, रायबरेली (लालगंज)



MODERN COACH FACTORY, RAEBARELI

आधुनिक रेल डिब्बा कारखाना, रायबरेली

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RLY	-	C	R	Coach No.	2	1	3	2	4	4	/	C	-	DATE OF DISPATCH	1	1	1	0	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	0	6	FUR .NO.	L3T-1565
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15. DETAIL OF BOGIES:-

ITEMS	NPP Side				PP Side			
Bogie No	211606				211605			
Bogie Type	FIAT				FIAT			
Frame no.	SIMPLEX - 494				MCF/RBL - 4198			
Bolster no.	AMIT ENGG. - 649				AMIT ENGG. - 594			
Axle No	21 E - 0545 RWF		21 E - 5665 RWF		21 C - 0871 RWF		21 E - 9184 RWF	
Wheel Dia	917.30	917.43	917.40	917.44	917.33	917.45	917.30	917.41
Wheel Disc No	TZ 09-20 25763-0SD3	TZ 09-20 26187-0TD7	TZ 09-20 25232-0TC6	TZ 09-20 31315-0TE4	TZ 09-20 27099-0SE9	TZ 09-20 26194-0TD7	TZ 09-20 31598-0SF9	TZ 07-20 24174-0PI7
R.B. Nos.	03-21 403249	03-21 402878	03-21 402633	03-21 402575	03-21 402617	03-21 301449	03-21 403630	03-21 401878
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	
	Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner
Make & Nos.	CMGBD 09-20 F16-550-34	CMFSK 02-21 F19-091-31	CMGBD 09-20 F16-550-125	CMFSK 02-21 F19-091-83	CMGBD 09-20 F16-550-125	CMFSK 02-21 F19-091-15	CMGBD 09-20 F16-550-54	CMFSK 02-21 F19-091-10
Compressed Ht. at Tested Load	510	467	512	464	510	466	515	467.5
Alignment deviation (mm)	18	12	18	12	19	9	19	9

17. TRACEABILITY OF BOGIE ITEMS:-

S. NO	ITEM	MAKE/SUPPLIER	SERIAL NO.	
			NPP SIDE	PP SIDE
1.	Yaw Damper	ESCORT	8736,8450	8705,8348
2.	Primary outer Spring	CMAFJ	12-20 7142-(99,106,97,18)	12-20 7142-(92,72,70,66)
3.	Primary Inner Spring	CMAFJ	12-20 7143-(93,60,72,23)	12-20 7143-(82,73,95,68)
4.	Primary Damper	GABRIEL	06-21 (956,943,1003,977)	06-21 (949,947,986,973)
5.	Secondary Damper	IAI	04-21 AB(18953,18861)	04-21 AB(18909,18895)
6.	Lateral Damper	KONI	04-19 01020	03-19 00193
7.	Brake Cylinder	KBI	D(6094,4040,4405,6093)-K-29	D(6071,4402,4367,6093)-K-29
8.	Brake Caliper	KBI	2921330438,2921330506,2921320504,2921320439	2921220436,2921200503,2921200306,2921220497
9.	Brake Disc	KBI	24262328-0002-29-21,24262326-0006-29-21, 24262326-0027-29-21,24262325-0027-29-21	24262326-0013-29-21,24262326-0019-29-21, 24262326-0028-29-21,24262326-0029-29-21
10.	Ball Joint Control Arm	BASANT		
11.	Lateral Bump Stop	AR		
12.	Traction Centre make	RNG		
13.	Traction lever make	TAJ		
14.	Ball joint traction lever	BONY		
15.	Ball joint traction centre	BASANT		
16.	Secondary Rubber Pad	PRAG		
17.	Rubber Spring	BONY		
18.	Anti roll bar Make	EMSON		
19.	Roll Link make	SF+BASANT/ SF+PRAG		
20.	Fork make	RNG		
21.	Control Arm Upper	KUMAR	D1930,D1901,D1926,D1968	D1824,D1901,D1971,D1927
22.	Control Arm Lower	KUMAR	D1797,D1298,N1768,D1477	D1654,D1768,D1778,N1964
23.	Phonic Wheel	KBI	K-07-21	K-07-21

Signature of SSE/Bogie/QC	 13-01-2022 SME/AME/QC/MCF/RBL ASST MECHANICAL ENGINEER आ0रे0डी0 का रायबरेली MCF RBL	 Dy. QM/MCF/RBL आधुनिक रेल डिब्बा कारखाना, रायबरेली Modern Coach Factory, Raebareli
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Vibgyor Paints & Chemicals Pondicherry

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

ISO : 9001 : 2015
ISO : 14001 : 2015
Certified Company

WARRANTY CERTIFICATE

To,

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

Date:- 04-10-2021

SUBJECT: -PERFORMANCE WARRANTY CERTIFICATE
REF: PO NO: 31061800101633 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/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
82	LWACCN 20C106	L3T-1565	213244/c	CR	10-10-2020 04-10-2021

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 certificate that Gloss value

1 Before Antigrffiti gloss value- 96.38

2 After Antigrffiti gloss value- 75.4



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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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		213244/C	
		ELECT. FIT DATE		MCF FUR. NO.	
		05-10-2021		3T-1565	
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		58.91 Cub mtr/min		OK
3.3	Exhaust Air		6.82 Cub mtr/min		OK
3.4	Conditioned Air		168.48 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 PRE COOLING NOT DONE SINCE SMART RMPU.				----
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

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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(SMART RMPU) Sr no of RMPU 1(NPP side) : 19H004 Sr no of RMPU 2(PP side): 19H0063 Sr no of Microprocessor. : 1907007	As per RDSO/PE/SPES/AC/0061/REV-1/2005 0201-2020(Rev-0) (SMART RMPU)	01 Set
02.	Switch board cabinet Make : ABROL Sr no : 21/05/0059	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: 21/05/997 Sr no.1: 21/05/2033 Sr no.2 : 21/05/2034 Sr.no.CPA: 21/04/861-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: 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: 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: 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: 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: IMT	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.

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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 : SSK/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 : 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: IMT	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: RT VISION	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 : 02/21	EDTS 129,Rev nil	01 set

Senior Section Engineer
Quality control / Electrical
Modern Coach Factory Raebareli



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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: METAFIL	As per drgno 1 10113 0 76 700 005,Alt C	01 no.
30.	Battery fuse box +ve Make : KKI POWER	LW 71001,Alt-H	01 no.
31.	Battery fuse box -ve Make : NEC	LW 71002,Alt-I	01 no.
32.	Provision of Regulated Battery Charger Make: HIND Sr. no.: 12/20/0044-667	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 : 01210518	As Per EDTS-366,REV-NIL & CC-71510	01 no.
35.	Provision of capacitor Bank Make: RICHMOND SL.no.: 341717	As per EDML-130 Rev-1,Corr-1	01 no.
36.	60KVA transformer Make : WAVES Sr no : W60KB 21339	As per spec no. RDSO/PE/SPEC/AC/0080-2007 (REV-1)	01 no.
37.	Feeder junction boxes. Make : INTEG	EDTS-328 REV-C	01 set
38.	Wheel set earthing equipment. Make : CHANDA & CHANDA	EDTS101,REV-C,AM-1	01 set
39.	Wheel Slide Protection System (WSP) Make : KNORR Sr. no : 0120376790	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

 वरिष्ठ अनुभाग अभियन्ता SSE/EL/QC गुणवत्ता नियंत्रण आरेडिंका० / लालगंज / रायबरेली S.S.E./Elect-QC/M.C.F./LLJ/RBL	 AWM(ELECT.)/MCF/RBL सं. SSE(P)/MCF/RBL आरेडिंका० / रायबरेली A.W.M./Electrical/MCF/RBL
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