



**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 /31

RLY	ER	COACH NO	211620/C		DATE OF DISPATCH	7-Apr-21	
Type	LWACCW	Shell No.	20B073	DISPATCH TO	Sr.DME/C&W/KOAA	FUR.NO.	L2T-T-211
1	Railway Board's Order No. : 2021/M (C)/142/2, dt-05.03.2021						
2	Tare Weight & Carrying Capacity of Coach :						
S.N	COACH TYPE	LWACCN	LWACCW	LWLRRM	LWCBAC	LFCWAC	LWSCZAC
i	Tare weight	45.6	44.5	53.2	39	42.5	40.28
ii	Seating	72	52	NIL	15	10+28	78
iii	Sleeping	72	52	NIL	15	10+28	NIL
iv	Luggage	NIL	NIL	3.9	NIL	NIL	NIL
3	Special feature:						
i	Due to fitment of L3T roof in L2T shell, more space available in transverse side						
ii	Extend linen room to accommodate the space NPP end (width 270 mm)						
iii	Height (from floor level to ceiling) raised from 2250mm to 2510mm.						
iiiA	Gap extend between transverse side upper berth and ceiling from 830mm to 894mm.						
iiiB	Gap extend between transverse side lower berth and upper berth from 920mm to 1065mm.						
iiiC	Gap extend between transverse side floor level to lower berth from 420mm to 465mm.						
iv	Provision of sliding cum sleeping berth. M/S-VIBGYOR NDLS						
v	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						
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					4250	
iv	CBC height/Buffer Height from Rail level					1105 +0/-10	
6	TRACEABILITY OF SHELL ITEMS:						
S.N	ITEM		MAKE/SUPPLIER		SERIAL NO		
i	Under frame	Front	PP END	M/S-SFPL	----		
Part		NPP END	M/S-SFPL	----			
Complete		MCF/RBL-V4U TECHIE	20B073				
ii	Lav. side wall			MCF/RBL	LAV.1	-----	LAV.2
			MCF/RBL	LAV.3	-----	LAV.4	
iii	Side wall	LH SIDE		MCF/RBL-CONT.V4U	222		
		RH SIDE		MCF/RBL-CONT.V4U	222		
iv	End wall	PP END		M/S-OMAX	-----		
		NPP END		M/S-DTL	-----		
v	Roof			MCF/RBL-CONT.	96		
vi	Centre Buffer Coupler			M/S-FRONTIER	NPP/PP	10P2,25P1	
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 <sup>2</sup> .	6 – 10 sec.		8 Sec
				Max. pressure in BC	3.0 ±0.15 kg/cm <sup>2</sup> .		3.0 kg/cm <sup>2</sup>
				All Brake are applied	OK		OK
ii	Insensitivity			Exhaust BP @ 0.3 kg/cm <sup>2</sup> /min.	No brake application		OK
iii	Sensitivity			Exhaust BP @ 0.1 kg/cm <sup>2</sup> /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	GSI	M/S-GSI (WOW)	99/96	2-Mar-21	
ii	Insulation	Satisfactory					
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-TRIDEV	WORK CONTRACT			
iii	Bio toilet & flushing		M/S-LUCKEY ENTERPRISES	WORK CONTRACT			
iv	Fire detection		NIL	NIL			

**वरिष्ठ निदेशक**  
**गुणवत्ता विभाग**  
**रेलवे, रायबरेली (लालगंज)**




**Modern Coach Factory Raebareli**  
**आधुनिक रेल डिब्बा कारखाना, रायबरेली**

DOC NO.: MCF/RBL/QMF 8002

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ROLLING STOCK CERTIFICATE

CATE(AC COACH)

Rolling Stock Certificate No.: MCF/RBL/QC/RS /2021-2022 /31

RLY	ER	COACH NO	211620/C	DISPATCH TO	DATE OF DISPATCH	7-Apr-21
Type	LWACCW	Shell No.	20B073	r.DME/C&W/KOAA	FUR.NO.	L2T-T-211
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 &
i			Frequency	PERIOD OF TRIAL

**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	6298 09/21
ii	Distribution valve	M/S-KBI	2021C13144
iii	Pull box	M/S-KBI	
iv	FIBA	NIL	NIL
v	Foot Step	M/S-FEBRICON INDS KOLKATA	
vi	Decoupling arrangement	M/S-PULSAR INDS KOLKATA	
vii	Floor board	M/S-TWPL MUMBAI	
viii	PVC	M/S-REPOSIVE GZB	
ix	UIC Vestibule (PPE)	M/S-ELASTOMER MUMBAI	
x	UIC Vestibule (NPPE)	M/S-ELASTOMER MUMBAI	
xi	Gangway bridge mounting (PPE)	M/s-HARE KRISHNA KXH	
xii	Gangway bridge mounting (NPPE)	M/s-HARE KRISHNA KXH	
xiii	Body Side Window	M/S-BIKRON GZB	
xiv	Emergency Window	M/S-BIKRON GZB	
xv	Lavatory/hopper Window	M/S-AIKON SALON	
xvi	Roof Ceiling	M/S-MSL MOHALI	
xvii	Door way /gang way ceiling	M/S-P.D.STEEL	
xviii	Supply Air Duct	M/s-SAHAI SEATING KXH	
xix	Partition panel	M/S-MILTON NDLS	
xx	Partition pillar	M/S-J R INDS JUC	
xxi	Side Wall panel	M/S-HFGW VADODARA	
xxii	AC Trough	M/S-MSL MOHALI	
xxiii	Body Side Doors	M/s-JBM FARIDABAD	
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 SOLAN	
xxix	Bio Tank	M/s-OMAX AUTO-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-OASIS	
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-HFGW VADODARA	
xxxviii	Lavatory Doors	M/S-HFGW VADODARA	
xxxix	Fire Extinguisher	M/S-SAFEX FIRE	39850,39835
xxxx	Seat & Berth	M/S-VIBGYOR NDLS	
xxxxi	Snack Table	M/S-DLJM NOIDA	
xxxxii	Light Luggage Rack	M/S-RAIL TECH KXH	
xxxxiii	Venturi grill	M/S-HFGW VADODARA	
xxxxiv	Auto janitor	M/S-HFGW VADODARA	
xxxxv	Automatic smoke & heat Detection with alarm System	NIL	

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

i	Vacuum toilet system	#N/A
ii	Odour control system	#N/A
iii	CCTV	#N/A

वरिष्ठ अधिकारी  
 गुणवत्ता विभाग  
 २० डि० का०, रायबरेली (लालगंज)





MODERN COACH FACTORY, RAEBARELI

आधुनिक रेल डिब्बा कारखाना, रायबरेली

DOC NO.: MCF/RBL/QMF 8002

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DATE: 28.05.2021

ROLLING STOCK CERTIFICATE (AC COACH)

Rolling Stock Certificate No.: MCF/RBL/QC/RSC/2021-22/- 31

RLY	E	R	-	Coach No.	2	1	1	6	2	0	/	C	-	DATE OF DISPATCH	0	7	0	4	2	0	2	1
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DISPATCH	Sr.DME/C&W/KOAA	Type	L	W	A	C	C	W	Shell No.-	2	0	B	0	7	3	FUR .NO	L2T-T-211
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9. DETAIL OF BOGIES:

ITEMS	NPP Side				PP Side			
Bogie No	202495				202496			
Bogie Type	FIAT				FIAT			
Frame no.	WIL- 186				WIL- 156			
Bolster no.	MCF/RBL-- 2642				VS-156			
Axle No	20 B - 8207 RWF		20B - 4993 RWF		21 B - 8129 RWF		20 B - 5518 RWF	
Wheel Dia	917.68	917.34	917.65	917.32	917.63	917.31	917.43	917.33
Wheel Disc No	TZ- 09-20 30212-0TE4	TZ- 09-20 32184-0SE4	TZ- 09-20 31622-0SD2	TZ- 06-20 20502-0PK4	TZ 09-20 27904-0SD6	TZ 09-20 27905-0SD6	TZ 09-20 31246-0RD6	TZ 09-20 31585-0TE9
R.B. Nos.	03-20 410050	07-20 415507	06-20 414049	06-20 504710	06-20 414955	03-20 502476	06-20 410903	06-20 411664
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.	CMAFJ11-20 9514-74	CMFSK05-19-9513-085-566	CMAFJ11-20 9514-73	CMFSK05-19-9513-008-527	CMAFJ11-20 9514-23	CMFSK05-19-9513-08-516	CMAFJ11-20-9514-26	CMFSK05-19-9513-08-565
Compressed Ht. at Tested Load	510	468	509	466	512	465	510	468
Alignment deviation (mm)	18	7	18	7	10	8	9	9

11. TRACEABILITY OF BOGIE ITEMS :-

S. NO	ITEM	MAKE/SUPPLIER	SERIAL NO.	
			NPP SIDE	PP SIDE
1.	Yaw Damper	IAI	336355,3378736	336262,336562
2.	Primary outer Spring	CMSTL	01-19 F03-S50-03A (1314,851,1194,766)	01-19 F03-S50-03A (2519,2430,736,2333)
3.	Primary Inner Spring	CMFSK	10-19 7412-105-(915,945,972,897)-	10-19 7412-105-(926,946,923,902)-
4.	Primary Damper	IAI	01-20 (299835,296268,299747,300905)	01-20 (299089,299811,2996836,299797)
5.	Secondary Damper	KONI	04-19 (03488,03464)	04-19 (03451,03409)
6.	Lateral Damper	KONI	03-19 01884	03-19 01621
7.	Brake Cylinder	KBI	D(1370,0226,0235,1240)K29	D(1373,0243,0244,01224)K29
8.	Brake Caliper	KBI	C(6674,6876,6886,6672)-29	C(6670,6881,6872,6673)-29
9.	Brake Disc	FAV	08-20 (3144,3143,2326,2325)D133561-300	08-20 (2749,2750,2771,4146)D133561-300
10.	Ball Joint Control Arm	BONY/PRAG		
11.	Lateral Bump Stop	PRAG/BONY		
12.	Traction Centre make	RF		
13.	Traction lever make	JI		
14.	Ball joint traction lever	BONY		
15.	Ball joint traction centre	BONY/BASANT		
16.	Secondary Rubber Pad	PRAG		
17.	Rubber Spring	BONY		
18.	Anti roll bar Make	SF		
19.	Roll Link make	RF/BONY		
20.	Fork make	RF		
21.	Control Arm Upper	CC	20G702,19M418,19M176,19M132	20G145,20G202,NIPHA- 0116,030
22.	Control Arm Lower	CC	19M204,20G256,20A167,20G266	19M108,19L212,20G165,NIPHA- 112
23.	Phonic Wheel	KBI	K 01-21	K 01-21

Signature of SSE/Bogie/QC	SME/AME/QC/MCF/RBL	Dy.CQM/MCF/RBL
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Asst. Mechanical Engineer  
आ. रे. डि. का. रायबरेली  
MCF, RBL

Dy. CQM/MCF/RBL  
Modern Coach Factory, Raebareilly







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- 5/3/2021

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.

SER.	SHELL NO.	FURNISHING NO.	COACH NO.	Railway NO.	DATE OF COMPLETION
200	LWACW 20B073	(2T-CT)- 211			27/2/2021 02/3/2021

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.,

For : J. S. INDUSTRIES

Auth. Signature

Thanking you,





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FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF LHB EOG 2T COACH.

ELECTRICAL TEST CERTIFICATE FOR LHB EOG 2T COACH.						
TYPE COACH		LWACCW		SHELL/COACH NO		211620/C
RAILWAY		ER	ELECT. FIT DATE	02-04-2021	MCF FUR. NO.	2T-T-211
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			27.58 Cub mtr/min		OK
3.2	Return Air			73.14 Cub mtr/min		OK
3.3	Exhaust Air			5.63 Cub mtr/min		OK
3.4	Conditioned Air			165.17 Cub mtr/min		OK
4.0	<b>PRE COOLING TEST: Max 01 hr.</b> Time taken to pre cool from 45 deg centigrade to 24/22 deg C during OFF LOAD condition  PP Side :20.3°CNPP Side :20.4°C					OK
5.0	<b>PULL DOWN TEST: Max 02 hrs.</b> 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 2T COACH.**

ELECTRICAL TEST CERTIFICATE FOR LHB EOG 2T 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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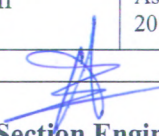
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## ROLLING STOCK CERTIFICATE OF LHB EOG 2T COACH.

Sr. no.	Description	Drg/Spec no.	Quantity per Coach
01.	Roof Mounted AC package unit for LHB AC coaches Make : <b>AMIT ENGG.</b> Sr no of RMPU 1(NPP side) <b>5956 B</b> Sr no of RMPU 2(PP side): <b>5952 B</b> Sr no of Microprocessor. : <b>AE 2102120</b>	As per RDSO/PE/SPES/AC/0061/REV-1/2005	<b>01 Set</b>
02.	Switch board cabinet Make : <b>ISG</b> Sr no : <b>SBC-MCF-20-10-0188</b>	As per spec no. RDSO/PE/SPEC/AC/0184-2015(REV.0). <b>MEDTS-0004,Rev.-1 for Smart SBC</b>	<b>01 no.</b>
03.	Pump equipment with PLC controller & pump box Make: <b>HIND</b> PA Sr.no: <b>20/03/059</b> Sr no.1: <b>20/03/117</b> Sr no.2 : <b>20/03/118</b> Sr.no.CPA/Make: <b>20/3/150-HIND</b>	As per spec EDTS 186,Rev-a, Am- 2.  As per Spec. EDTS186, & drg no. CC71328 & LW70020 for P/CNTR.	<b>01 Set</b>
04.	Double inlet centrifugal blower 415V/03Ph /50Hz /120W/450 cu.mtr/hr discharge for exhausting air from lavatory & switch board cabinet Make : <b>INTEG</b>	EDTS331, TYPE-1 CORR.-1&2	<b>02 no.</b>
05.	Provision of Passenger area LED Light(Cabin) Make: <b>ENSAVE</b>	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-L	<b>09 no.</b>
06.	Mounting of Passenger area light(Cabin/corridor)	As per drg no. LW 76090.	<b>OK</b>
07.	Provision of Cabin/Corridor Light with Night light. Make: <b>RT VISION</b>	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-M	<b>09 no.</b>
08.	Mounting of Cabin/Corridor Light with Night light	As per drg no. LW 76091.	<b>OK</b>
09.	Provision & mounting of Doorway/Gangway light. Make: <b>RT VISION</b>	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-N & Drg no. LW 76099	<b>07 no.</b>
10.	Provision & Mounting of PACIL Assly. Make: <b>ELECTRO WAVES</b>	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-I Drg no. LW 76098.	<b>02 no.</b>
11.	Provision & Mounting of WC light. Make: <b>DR AUTO</b>	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-H1 Drg no. LW 76097.	<b>02 no.</b>
12.	Provision & Mounting of Lavatory Light. Make: <b>IMT</b>	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-D & Drg no. LW 76092.	<b>04 no.</b>
13.	Provision of Emergency Lighting system Make: <b>INTEG</b>	As per RDSO/PE/Spec/AC/0180-2016(Rev-0),Type-2 or Latest.	<b>04 no.</b>

  
 Senior Section Engineer  
 Quality control / Electrical  
 Modern Coach Factory Raebareli







Modern Coach Factory Raebareli  
आधुनिक रेल डिब्बा कारखाना,  
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ROLLING STOCK CERTIFICATE OF LHB EOG 2T COACH.

Sr. no.	Description	Drg/Spec no.	Quantity per Coach
14.	Provision of razor socket for WC for 110/240V. Make: <b>SSK</b>	. EDML047,ITEM-4	<b>04 no.</b>
15.	PA system for LHB coaches Make: <b>AHUJA</b>	EDTS 173,Rev- B,Cor-1	<b>01 Set</b>
16.	Provision of terminal strip complete	EDML 034,Rev-C,DRG NO.LW76054	<b>01 Set</b>
17.	Diffuser complete w/o item 1& 2.	LW 76012,Alt-a	<b>OK</b>
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 : <b>SALZER</b>	As per spec EDML-064,REV- B,Am-1 alt 'c' Item-4 ,Drg. No. LW74202	<b>09 no.</b>
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 : <b>SALZER</b>	As per spec EDML-064,REV- B,Am-1 alt 'c' Item 16,Drg. No. LW74202	<b>35 no.</b>
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 : <b>SALZER</b>	As per spec EDML-064,REV- B,Am-1 alt 'c' Item-5, Drg. No. LW74202	<b>09 no.</b>
21.	Provision & Mounting of reading light for upper berth Make : <b>AGASTYA</b>	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-F2 & Drg no LW 76094	<b>26 no.</b>
22.	Provision & Mounting of reading light for transverse berth (RHS) Make: <b>RT VISION</b>	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-F3 & Drg no. LW 76095	<b>09 no.</b>
23.	Provision & Mounting of reading light for berth transverse ( LHS) Make: <b>DHINGRA</b>	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-F4 & Drg no. LW 76096	<b>08 no.</b>
24.	Provision & Mounting of reading light for berth Longitudinal. Make: <b>DEVINTEC</b>	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-F1 & Drg no LW 76096	<b>09 no.</b>
25.	Provision of High Capacity Inter -Vehicular Coupler Unit (ZS Coupling) (500 A,750 V,3 ph,50 Hz). Make: 1.(NPP): <b>PRIME ELECT.</b> 2.(PP): <b>PRIME ELECT.</b>	As per Spec. no. RDSO/PE/SPEC/AC/0177(Rev.- 0)-2013 with annexure-A, B.	<b>01 set</b>
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 : <b>HBL</b> Lug date : 11/19	EDTS 129,Rev nil	<b>01 set</b>

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

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ROLLING STOCK CERTIFICATE OF LHB EOG 2T 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: <b>HITECH</b>	As per drgno 1 10113 0 76 700 005,Alt C	01 no.
30.	Battery fuse box +ve Make : <b>INDORAIL</b>	LW 71001,Alt-H	01 no.
31.	Battery fuse box -ve Make : <b>AECO</b>	LW 71002,Alt-I	01 no.
32.	Provision of Regulated Battery Charger Make: <b>PI</b> Sr. no.: <b>19120261</b>	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: <b>VIMAL</b> SL.no.: <b>VTC 3089 LHB-1587</b>	As Per EDTS-366,REV-NIL & CC-71510	01 no.
35.	Provision of capacitor Bank Make: <b>NEC</b> SL.no.: <b>2020108057</b>	As per EDML-130 Rev-1,Corr-1	01 no.
36.	60KVA transformer Make : <b>VIMAL</b> Sr no : <b>VTC(R)3089LHB-3866</b>	As per spec no.RDSO/PE/SPEC/AC/0080-2007 (REV-1)	01 no.
37.	Feeder junction boxes. Make : <b>AECO</b>	EDTS-328 REV-C	01 set
38.	Wheel set earthing equipment. Make : <b>PRIME ELECT.</b>	EDTS101,REV-C,AM-1	01 set
39.	Wheel Slide Protection System (WSP) Make : <b>KNORR</b> Sr. no : <b>0120275387</b>	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: <b>MV</b>	Cat no. 1948036/UIV4125-6 with RCF annexure-A - 02 nos	02
41.	PANTRY EQUIPMENTS(ONLY FOR <b>RAJDHANI COACH</b> ) : 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 आरंभ/डिजाइन/लालगंज/रायबरेली S.S.E/Elect-QC/M.C.F./LLJ/RBL	AWM(ELECT.)/MCF/RBL SEE(P)/MCF/RBL

आरंभ/डिजाइन/लालगंज/रायबरेली  
S.S.E/Elect-QC/M.C.F./LLJ/RBL

सं कार्य प्रबन्धक/विद्युत  
आरंभ/डिजाइन/रायबरेली  
A.W.M./Electrical/MCF/RBL

