



**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 /793

RLY	CR	COACH NO	213242/C				DATE OF DISPATCH	11-Oct-21	
Type	LWACCN	Shell No.	21C173	DISPATCH TO	Sr.DME/C&W/LTT/BB		FUR.NO.	L3T-1836	
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	<b>Special feature:</b>								
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	<b>Smart feature: NIL</b>								
5	<b>SHELL LEADING DIMENSIONS:</b>								
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		1098/1102
6	<b>TRACEABILITY OF SHELL ITEMS:</b>								
S.N	ITEM			MAKE/SUPPLIER		SERIAL NO			
i	Under frame	Front	PP END	M/S-OMAX		977			
		Part	NPP END	M/S-OMAX		958			
		Complete			M/S-V4U TECHIE		21C173		
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		260				
		RH SIDE	M/S-ECBT		260				
iv	End wall	PP END	M/S-DTL		-----				
		NPP END	M/S-DTL		-----				
v	Roof			MCF/CONT/PS		41			
vi	Centre Buffer Coupler			M/S-SANROK		NPP/PP		19015/19008	
vii	Buffer			NA		NPP/PP		N/A	
7	<b>AIR BRAKE TEST REPORT:</b>								
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.		07 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		OK	
		2.Release hand brake		2. Hand Bk. indicator should be green		OK		OK	
8	<b>FIRE TESTING:</b>								
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	<b>PAINTING DETAILS:</b>								
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-GSI	M/S-GSI		74/97		21-Sep-21	
ii	Insulation-	Satisfactory		ANTIGRAFFITE COATING- YES		WET ON WET-		YES	
10	<b>COACH FURNISH DETAILS :</b>								
S.N	ACTIVITIES		FIRM		TURNKEY/WORK CONTRACT/SUPPLY&APPLY				
i	Coach Furnishing		M/S-HFGW VADODARA		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-J.K EXIM PVT LTD		SUPPLY&APPLY				

12/01/22

वरिष्ठ उपायुक्त अभियंता  
गुणवत्ता विभाग  
रेडिओकॉ, रायबरेली (लालगंज)



Modern Coach Factory Raebareli  
आधुनिक रेल डिब्बा कारखाना, रायबरेली

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RLY	CR	COACH NO	213242/C	DATE OF DISPATCH	11-Oct-21		
Type	LWACCN	Shell No.	21C173	DISPATCH TO	Sr.DME/C&W/LTT/BB	FUR.NO.	L3T-1836

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 &
			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	6918 -07/2021
ii	Distribution valve	M/S-KBI	14469-07/2021
iii	Pull box	M/S-KBI	
iv	FIBA	M/S-KBI	22272/29,22277/29
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-RESPONSIVE MUMBAI	
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-CMT VADODARA	
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-AMIT ENGG SALON	
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-SHIVALIK FAST 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	480/575
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-CMT VADODARA	
xxxxiv	Auto janitor	M/S-CMT VADODARA	
xxxxv	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  
SSE/QC/MCF/RBL

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रे०डि०क्र०, 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	2	/	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	7	3	FUR .NO	L3T-1836
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**15. DETAIL OF BOGIES:-**

ITEMS	NPP Side				PP Side			
Bogie No	211721				211722			
Bogie Type	FIAT				FIAT			
Frame no.	MCF/RBL/LS-5 - 3474				MCF/RBL/LS-5 - 3452			
Bolster no.	APEX - 394				APEX - 478			
Axle No	21 F - 8509 RWF		21 F - 8379 RWF		21 F - 8386 RWF		21 E - 8767 RWF	
Wheel Dia	917.71	917.63	917.81	917.63	917.62	917.61	917.69	917.54
Wheel Disc No	TZ 12-20 58124-OXK8	TZ 12-20 57531-OXK7	TZ 12-20 57532-OVL2	TZ 12-20 51695-OVH3	TZ 12-20 51694-OVH3	TZ 12-20 51693-OVH3	TZ 12-20 57663-OXK5	TZ 12-20 60139-OVPS
R.B. Nos.	03-21 403045	03-21 600514	03-21 402615	11-20 438297	03-21 402236	03-21 300255	03-21 402356	03-21 437226
CT R B Make	TIMKEN		TIMKEN		TIMKEN		TIMKEN	

**16. SECONDARY SUSPENSION LOAD DEFLECTION VALUES: -**

DESCRIPTION	Bogie NPP side		Bogie PP side	
Make & Nos.	Secondary 1	Secondary 2	Secondary 1	Secondary 2
	RESISTO FLEX	RESISTO FLEX	RESISTO FLEX	RESISTO FLEX
	S. NO. - 06-21 2104	S. NO. - 06-21 2157	S. NO. - 06-21 2145	S. NO. - 06-21 2038

**17. TRACEABILITY OF BOGIE ITEMS:-**

S. NO	ITEM	MAKE/SUPPLIER	SERIAL NO.	
			NPP SIDE	PP SIDE
1.	Yaw Damper	IAI	AB(28258,28444)	AB(28679,28486)
2.	Primary outer Spring	CMFSK	05-21-F05-035-(580,330,594,601)	05-21-F05-035-(695,662,579,518)
3.	Primary Inner Spring	CMFSK	03-21-F04-102-(113,284,34,261)	03-21-F04-102-(174,184,178,77)
4.	Primary Damper	GABRIEL	05-21(294,282,296,295)	05-21(297,291,292,281)
5.	Secondary Damper	GABRIEL	04-21(215,403)	06-21(681,688)
6.	Lateral Damper	IAI	06-21 AB30106	06-21 AB29889
7.	Brake Cylinder	KBI	D-(5909,4474,4507,6000)-K-29	D-(6002,4435,4449,5949)-K-29
8.	Brake Caliper	KBI	2921290278,2921290552, 2921290580,2921320365	2921320366,2921290586, 2921290581,2921320360
9.	Brake Disc	KBI	24265866-(0018,0019,0020)-33-21, 24265865-0050-33-21	24265865-0049-33-21,24265866-0021-30-21, 24265862-0068-21,24265959-0060-33-21
10.	Ball Joint Control Arm	AR		
11.	Lateral Bump Stop	AR		
12.	Traction Centre make	RNG		
13.	Traction lever make	TAJ		
14.	Ball joint traction lever	PPI		
15.	Ball joint traction centre	BASANT		
16.	Leveling Valve	ESCORTS	08-21-(19411,17861)	08-21 (19242,19017)
17.	Check Valve	ESCORTS	07-21 6791	08-21 7190
18.	Anti roll bar Make	EMSON		
19.	Roll Link make	SF+GMT		
20.	Fork make	RNG		
21.	Control Arm Upper	KUMAR	D-(0141,0128,1810,0131)	D-(0183,0152,1822,0171)
22.	Control Arm Lower	KUMAR	D-0182,N-(0989,1913,8107)	D-(0190,3192), N-(9853.1087)
23.	Phonic Wheel	KBI	K-06-21	K-06-21

Signature of SSE/Bogie/QC	Signature of SDE/AME/QC/MCF/RBL 13.01.2022	Signature of Dy. QM/MCF/RBL
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SME/AME/QC/MCF/RBL  
ASST MECHANICAL ENGINEER  
आधुनिक रेल डिब्बा कारखाना, रायबरेली  
MCF RBL

Dy. QM/MCF/RBL

आधुनिक रेल डिब्बा कारखाना, रायबरेली  
Modern Coach Factory, Raebareilly





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

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**WARRANTY CERTIFICATE**

Date:- 5/10/2021

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

Sub:- PERFORMANCE WARRANTY CERTIFICATE

PO NO. 06201016101340 DATED 22-SEP-20

NAME OF WORK: - PU BASED WET ON WET PAINT FOR EXTERIOR PAINTING OF COACHES IN SUPPLY AND APPLY SHALL BE AS PER SPECIFICATION MMDTS-18034 REV-2. APP SHALL BE AS PER MDTs 48279 REV-1, ANTI GRAFFITI WILL COMPLY REQUIREMENTS OF RDSO SPEC-M&C/PCN/127/2009.

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
1. 31.	LWACCN 21C173	L3T-1836	213242/C	CR	05/08/21 21/09/21

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.,

NOTE: it is certified that gloss value:

1. Before antigrffiti gloss value: 97.41
2. After antigrffiti gloss value: 74.18

Thanking you,



Modern Coach Factory Raebareli  
आधुनिक रेल डिब्बा कारखाना, रायबरेली

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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		213242/C	
		ELECT. FIT DATE		08-10-2021	
				MCF FUR. NO.	
				3T-1836	
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		70.03 Cub mtr/min		OK
3.3	Exhaust Air		8.25 Cub mtr/min		OK
3.4	Conditioned Air		163.93 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 : <b>22.1°C</b> NPP Side : <b>21.6°C</b>				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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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

Senior Section Engineer  
Quality control / Electrical  
Modern Coach Factory Raebareli



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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 : <b>AMIT ENGG.</b> Sr no of RMPU 1(NPP side) : <b>6803H</b> Sr no of RMPU 2(PP side): <b>6802H</b> Sr no of Microprocessor. : <b>AE 2102037</b>	As per RDSO/PE/SPES/AC/0061/REV-1/2005	<b>01 Set</b>
02.	Switch board cabinet Make : <b>NEC</b> Sr no : <b>2021019112</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>21/05/1088</b> Sr no.1: <b>21/05/2215</b> Sr no.2 : <b>21/05/2216</b> Sr.no.CPA: <b>21/04/865-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>DR AUTO</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.	OK
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.	OK
09.	Provision & mounting of Doorway/Gangway light. Make: <b>DR AUTO</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>ELECTROWAVES</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>RT VISION</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>
14.	Provision of razor socket for WC for 110/240V Make: <b>SSK</b>	. EDML047,ITEM-4	<b>04 no.</b>

Senior Section Engineer  
Quality control / Electrical  
Modern Coach Factory Raebareli



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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: <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	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 : <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>SSK</b>	As per spec EDML-064,REV-B,Am-1 alt 'c' - Item 16,Drg. No. LW74202	<b>54 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>RT VISION</b>	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-F2 & Drg no LW 76094	<b>27 no.</b>
22.	Provision & Mounting of reading light for transverse berth (RHS) Make: <b>IMT</b>	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-F3 & Drg no. LW 76095	<b>18 no.</b>
23.	Provision & Mounting of reading light for berth transverse ( LHS) Make: <b>RT VISION</b>	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-F4 & Drg no. LW 76096	<b>18 no.</b>
24.	Provision & Mounting of reading light for berth Longitudinal. Make: <b>ENSAVE</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>OM NAMH SHIVAYA</b> 2.(PP): <b>OM NAMH SHIVAYA</b>	As per Spec. no. RDSO/PE/SPEC/AC/0177(R ev.-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>AMARA RAJA</b> Lug date : <b>04/21</b>	EDTS 129,Rev nil	<b>01 set</b>

Senior Section Engineer  
Quality control / Electrical  
Modern Coach Factory Raebareli



Modern Coach Factory Raebareli  
आधुनिक रेल डिब्बा कारखाना, रायबरेली

DOC NO.: MCF/RBL/QEF/8001


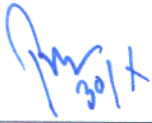
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DATE: 29.06.2020

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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: <b>METAFIL</b>	As per drgno 1 10113 0 76 700 005, Alt C	<b>01 no.</b>
30.	Battery fuse box +ve Make : <b>INDORAIL</b>	LW 71001, Alt-H	<b>01 no.</b>
31.	Battery fuse box -ve Make : <b>NEC</b>	LW 71002, Alt-I	<b>01 no.</b>
32.	Provision of Regulated Battery Charger Make: <b>HIND</b> Sr. no.: <b>12/20/0047-670</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.	<b>01 no.</b>
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>BHASIN</b> Sr no : <b>01210442</b>	As Per EDTS-366, REV-NIL & CC-71510	<b>01 no.</b>
35.	Provision of capacitor Bank Make: <b>RICHMOND</b> SL.no.: <b>341713</b>	As per EDML-130 Rev-1, Corr-1	<b>01 no.</b>
36.	60KVA transformer Make : <b>WAVES</b> Sr no : <b>W60KB 21315</b>	As per spec no. RDSO/PE/SPEC/AC/0080-2007 (REV-1)	<b>01 no.</b>
37.	Feeder junction boxes. Make : <b>RSI</b>	EDTS-328 REV-C	<b>01 set</b>
38.	Wheel set earthing equipment. Make : <b>DARSHAN ENTERPRISES</b>	EDTS101, REV-C, AM-1	<b>01 set</b>
39.	Wheel Slide Protection System (WSP) Make : <b>KNORR</b> Sr. no : <b>0120305893</b>	As per MDTS 077, Rev.-2 M/s"FAIVELEY" or "Knorr Bremse", or "ESCORTS" or "JWL-DAKO-CZ"	<b>01 set</b>
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	<b>02</b>
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/Elect/QC गुणवत्ता नियंत्रण आ०रे०डि०का०/सालमंज/रायबरेली S.S.E./Elect-QC/M.C.F./LLJ/RBL	 AWM(ELECT.)/MCF/RBL SEE(P)/MCF/RBL स० कार्य प्रबन्धक/विद्युत आ०रे०डि०का०/रायबरेली A.W.M./Electrical/MCF/RBL
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