



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 /09

RLY	CR	COACH NO	211609/C	DATE OF DISPATCH	1-Apr-21
Type	LWACCN	Shell No.	20C067	DISPATCH TO	Sr.DME/C&W/LTT/BB
				FUR.NO.	L3T-1543

1 Railway Board's Order No. : 2020/M (C)/142/2,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 4250
		LWLRRM,LWCBAC,LFCWAC,LWSCZAC,LWFAC,LWFCZAC 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
		Part	NPP END
		Complete	
		M/S-MTF	318
		M/S-MTF	318
		M/S-MTF	318
ii	Lav. side wall	M/S-RAIL TECH KXH	LAV.1
		M/S-RAIL TECH KXH	LAV.2
		LAV.3	LAV.4
iii	Side wall	LH SIDE	M/S-ECBT CHANDIGARH
		RH SIDE	M/S-ECBT CHANDIGARH
iv	End wall	PP END	M/S-DTL PUNE
		NPP END	M/S-DTL PUNE
v	Roof	M/S-ECBT	179
vi	Centre Buffer Coupler	M/S-FRONTIER	NPP/PP
			22-P1/47-P2
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.	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
ii	Heat detection	A-controller should display smoke/heat in zone 1,2	B- strobe light & hooter should activate

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	K. NEROLAC	M/S-KANSAI NEROLAC	88/87	10-Jun-20
ii	Insulation			Satisfactory		

10 COACH FURNISH DETAILS :

S.N	ACTIVITIES	FIRM	TURNKEY/WORK CONTRACT/SUPPLY&APPLY
i	Coach Furnishing	M/S-CMT MECHANISED SYS	TURNKEY
ii	Air Brake	M/S-SR ENT.	WORKS CONTRACT
iii	Bio toilet & flushing	M/S-H.F.G.W.VADODRA	TURNKEY
iv	Fire detection	NIL	NIL

SSE/QC/MCF/RBL

वरिष्ठ अनुप अभियंता
गुणवत्ता विभाग
रेडिओ का ०, रायबरेली (लालगंज)



Modern Coach Factory Raebareli
आधुनिक रेल डिब्बा कारखाना, रायबरेली

DOC NO.: MCF/RBL/QMF 8002
REV NO: 02
DATE: 28.05.2021

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Rolling Stock Certificate No.: MCF/RBL/QC/RSC/2021-2022 /09

RLY	CR	COACH NO	211609/C	DATE OF DISPATCH	1-Apr-21		
Type	LWACCN	Shell No.	20C067	DISPATCH TO	Sr.DME/C&W/LTT/BB	FUR.NO.	L3T-1543
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	B21101B			
ii	Distribution valve		M/S-FAIVELEY	B215610B			
iii	Pull box		M/S-FAIVELEY				
iv	FIBA		NIL	NIL			
v	Foot Step		M/S-HITECH INFRA RBL				
vi	Decoupling arrangement		M/S-PULSAR INDS KOLKATA				
vii	Floor board		M/S-TWPL MUMBAI				
viii	PVC		M/S-CMT MECHANISED SYSTEM VADODRA				
ix	UIC Vestibule (PPE)		M/S-ELASTOMER LINING WORKS MUMBAI				
x	UIC Vestibule (NPPE)		M/S-ELASTOMER LINING WORKS MUMBAI				
xi	Gangway bridge mounting (PPE)		M/S-RAKESH IRON STORE KXH				
xii	Gangway bridge mounting (NPPE)		M/S-RAKESH IRON STORE KXH				
xiii	Body Side Window		M/S-CMT MECHANISED SYSTEM VADODRA				
xiv	Emergency Window		M/S-CMT MECHANISED SYSTEM VADODRA				
xv	Lavatory/hopper Window		M/S-CMT MECHANISED SYSTEM VADODRA				
xvi	Roof Ceiling		M/S-CMT MECHANISED SYSTEM VADODRA				
xvii	Door way /gang way ceiling		M/S-J.R INDUS JALANDHAR				
xviii	Supply Air Duct		M/S-SAHAI SEATING SYSTEM KXH				
xix	Partition panel		M/S-CMT MECHANISED SYSTEM VADODRA(HONEYCOMB)				
xx	Partition pillar		M/S-CMT MECHANISED SYSTEM VADODRA				
xxi	Side Wall panel		M/S-CMT MECHANISED SYSTEM VADODRA				
xxii	AC Trough		M/S-MOBILITY SOLUTION(NPP)+MEENA FIBER(PP)				
xxiii	Body Side Doors		M/S-CMT MECHANISED SYSTEM VADODRA				
xxiv	Compartment Door (PPE)		M/S-HANSPAL COACH PRODUCT KXH				
xxv	Compartment Door (NPPE)		M/S-HANSPAL COACH PRODUCT KXH				
xxvi	Vestibule Door(PPE)		M/s-JBM FARIDABAD				
xxvii	Vestibule Door(NPPE)		M/s-JBM FARIDABAD				
xxviii	RMPU		M/S-ESS.ESS.KAY ENGG KXH				
xxix	Bio Tank		M/S-CEMCON(02)+JSL LIFE(02)				
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-H.F.G.W.VADODRA				
xxxv	Lotah Filler Tap		M/S-H.F.G.W.VADODRA				
xxxvi	Bib cock		M/S-JAQUAR ALWAR.				
xxxvii	Lavatory Modules		M/S-CMT MECHANISED SYSTEM VADODRA				
xxxviii	Lavatory Doors		M/S-CMT MECHANISED SYSTEM VADODRA				
xxxix	Fire Extinguisher		M/S-SHAAN INDUS	172/171			
xxxx	Seat & Berth		M/S-CMT MECHANISED SYSTEM VADODRA				
xxxxi	Snack Table		M/S-CMT MECHANISED SYSTEM VADODRA				
xxxxii	Light Luggage Rack		M/S-CMT MECHANISED SYSTEM VADODRA				
xxxxiii	Venturi grill		M/S-CMT MECHANISED SYSTEM VADODRA				
xxxxiv	Auto janitor		M/S-CMT MECHANISED SYSTEM VADODRA				
xxxxv	Automatic smoke & heat Detection with alarm System		NIL				
14.B	TRACEABILITY OF FURNISHING ITEMS:(items for variant wise)-NIL						

Signature
SSE/QC/MCF/RBL
वरिष्ठ निरीक्षक
गुणवत्ता विभाग
रेडिओ, रायबरेली (लालगंज)



MODERN COACH FACTORY, RAEBARELI

आधुनिक रेल डिब्बा कारखाना, रायबरेली

DOC NO.: MCF/RBL/QMF 8002

REV NO.: 01

DATE: 16.05.2016

ROLLING STOCK CERTIFICATE (AC COACH)

Rolling Stock Certificate No.: MCF/RBL/QC/RSC/2021-22-09

RLY	C	R	-	Coach No.	2	1	1	6	0	9	/	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	0	6	7	FUR .NO	L3T-1543
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9. DETAIL OF BOGIES:-

ITEMS	NPP Side				PP Side			
Bogie No	202780				202779			
Bogie Type	FIAT				FIAT			
Frame no.	SIMPLEX- 260				SIMPLEX- 272			
Bolster no.	APEX - 397				MCF/RBL - 3034			
Axle No	20 B - 4932 RWF		20 B - 5662 RWF		21 C - 3875 RWF		21 B - 5714 RWF	
Wheel Dia	917.427	917.516	917.384	917.366	917.4	917.366	917.459	917.399
Wheel Disc No	TZ 09-20 29956-OTE6	TZ 09-20 29349-OTE6	TZ 09-20 29637-OSFO	TZ 09-20 30247-OTE3	TZ 09-20 33645-0SE8	TZ 09-20 30841-OTE5	TZ 09-20 27130-OSD4	TZ 09-20 30883-OTD5
R.B. Nos.	09-20 426412	09-20 430190	09-20 426698	09-20 426599	09-20 426608	09-20 429505	09-20 428096	09-20 429156
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.	CMFSK02-20 F16-171-597	CMFSK01-20- 9513-099-567	CMFSK02- 20F16-171-593	CMFSK01-20- 9513-099-443	CMFSK02-20 F16-171-603	CMFSK01-19 9513- 099-489	CMFSK02-20 F16-171-507	CMFSK01-19 9513- 0420
Compressed Ht. at Tested Load	515	468	515	464	513.5	466	512	467
Alignment deviation (mm)	10	10	8	10	11	9	8	7

11. TRACEABILITY OF BOGIE ITEMS:-

S. NO	ITEM	MAKE/ SUPPLIER	510SERIAL NO.	
			NPP SIDE20	PP SIDE
1.	Yaw Damper	IAI	334650,335932	336120,336112
2.	Primary outer Spring	CMSTL	01-19 F03-S50-03A--(2593,1391,2825,2332)	01-19 F03-N79-03A--(2479,2644,2655,3151)
3.	Primary Inner Spring	CMGBD	08-20 F04-387-(398,42,168,165)	08-20 F04-387-(138,33,160,171)
4.	Primary Damper	GABRIEL	03-20 (1247,1230,1243,1224)	03-20 (1234,1235,1245,1246)
5.	Secondary Damper	KONI	04-19 (06599,06777)	04-19 (06822,06632)
6.	Lateral Damper	KONI/IAI	03-19 00655	05-19 251113
7.	Brake Cylinder	FAV	M20(039,,),L20-(150,191),M20-033	M20(037,,),L20-(153),A21-(195,150)
8.	Brake Caliper	FAV	A21(059,057,054,056)-B	B21(305,304)A21-(058,060)-B
9.	Brake Disc	KBI	24243855 0060-50/20,24243850 0008-50/20 24247026 0022-01/21,24247026 0033-01/21	24247102 0031-03/21,24247101 0031-03/21 24241018 0015-49/20,24241018 0017-49/20
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	KUMAR	D(6044,3048,9151,3070)	N(6032,58985),D(3048,3046)
22.	Control Arm Lower	KUMAR	N(3468,3184,3278,D2472)	D3520,N(3082,2064,3555)
23.	Phonic Wheel	KBI	01-21	01-21

Signature of SSE/Bogie/QC

SME/AME/QC/MCF/RBL

Dy. COM/MCF/RBL

Assistant Manager (Quality)
आधुनिक रेल डिब्बा कारखाना, रायबरेली
Modern Coach Factory, Raebareilly

Dy. Chief Quality Manager
आधुनिक रेल डिब्बा कारखाना, रायबरेली
Modern Coach Factory, Raebareilly

B-1, B-2, G-32, G-33, G-34, UPSIDC INDUSTRIAL AREA, JAINPUR-209 311, KANPUR DEHAT (UTTAR PRADESH)
TEL : 05111-220231 TO 220239 • FAX : 05111-220235, Corporate Identity No. L24202MH1920PLC000825

WARRANTY CERTIFICATE

To,
The Dy. CME/Paint,
M/s. Modern Coach Factory,
Lalganj, Raebareli. (U.P)

Date: 07/10/2020

SUBJECT : PERFORMANCE WARRANTY CERTIFICATE

REF : P.O. No. 06170082. R1860045 DT.25.09.18

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

Dear Sir,

With reference to the subject head, we do hereby confirm the warranty for three years from the date of application of the delivered below mentioned coaches vide your above referred purchase order after application and due inspection at your end.

SL. NO.	SHELL NO.	FURNISHING NO.	COACH NO.	RAILWAY NO.	DATE OF COMPLETION
259.	LWACCN 20C067	A3T-1543	211609	CR	06/10/2020

The warranty period is applicable from the date of dispatch against the below mentioned defects as per RDSO Specification No. M&C/PCN/100/2013.

- Gloss level value of applied paint initial 85 unit(on the date of painting) and minimum 80,% 70 %b& 60% of initial gloss after one year, two years and three years respectively from the date of application.
- Decolonization of paint film.
- Cracking of paint film.
- Peeling of paint film.
- Blistering of the paint film.

Thanking you,

Your's faithfully,
For Kansai Nerolac Paints Limited

Kansai Nerolac Paints Limited
Authorized Signatory

Authorised Signatory

Warranty disclaimer : Kansai Nerolac Paints (KNP) warrants the products to be free from defects in material and workmanship. KNP makes no other warranties concerning the product. No other warranties, whether expressed, implied, or statutory, such as warranties of merchantability or fitness for a particular purpose, shall apply to the Products and in no event shall KNP be liable for consequential or incidental damages. Any recommendation or suggestion relating to use of the products made by KNP, whether in the technical literature, of KNP or in response to specific inquiry, or otherwise, is based on data believed to be reliable by KNP and KNP shall not be liable for any loss or damage incurred to the Buyer on account thereof. However the products and information are intended for use by Buyers having requisite skill and know-how in the industry and therefore it is for the Buyer to satisfy himself of the suitability of the products for his own particular use and it shall be deemed that Buyer has done so, at his sole discretion and risk. Variation in environment, changes in procedures of use or extrapolation of data may cause unsatisfactory result.

Regd. Office : Nerolac House, Ganpatrao Kadam Marg, Lower Parel, Mumbai - 400 013 India. Tel. : (022) 2493 4001, www.nerolac.com



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DOC NO.: MCF/RBL/QEF/8001

REV NO: 01

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	ELECT. FIT DATE	27-03-2021	MCF FUR. NO.
					3T-1543
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		30.14 Cub mtr/min		OK
3.2	Return Air		72.46 Cub mtr/min		OK
3.3	Exhaust Air		5.87 Cub mtr/min		OK
3.4	Conditioned Air		180.45 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 : 20.4 °C NPP Side : 20.3 °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



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

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
01.	Roof Mounted AC package unit for LHB AC coaches Make : SSK Sr no of RMPU 1(NPP side) : 2063/20 Sr no of RMPU 2(PP side): 2061/20 Sr no of Microprocessor. : 2011075	As per RDSO/PE/SPES/AC/0061/REV-1/2005	01 Set
02.	Switch board cabinet Make : ISG Sr no : SBC-MCF-21-01-0272	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: 20/10/339 Sr no.1: 20/10/717 Sr no.2 : 20/10/718 Sr.no.CPA: 20/10/597-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 : 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
Modern Coach Factory Raebareli





Modern Coach Factory Raebareilly

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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
Modern Coach Factory Raebareilly





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आधुनिक रेल डिब्बा कारखाना,
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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 : RSI	LW 71002, Alt-I	01 no.
32.	Provision of Regulated Battery Charger Make: HITACHI Sr. no.: 18101659	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.: 01207050	EDTS163,REV-C,COR-2&3	01 no
34.	Provision of 5 KVA TFR Make : VIMAL Sr no : VTC 3089 LHB 1667	As Per EDTS-366,REV-NIL & CC-71510	01 no.
35.	Provision of capacitor Bank Make: NEC SL.no.: 2020107984	As per EDML-130 Rev-1, Corr-1	01 no.
36.	60KVA transformer Make : VIMAL Sr no : VTC-R-3089-LHB-3814	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 : DARSHAN ENTERPRISES	EDTS101,REV-C,AM-1	01 set
39.	Wheel Slide Protection System (WSP) Make : FAIVELEY Sr. no : 13089	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

 वरिष्ठ अंतर्भाग अभियन्ता S.S.E./Elect-QC गुणवत्ता नियंत्रण आ०रे०डि०का० / लालगंज / रायबरेली S.S.E./Elect-QC/M.C.F./LLJ/RBL	 AWM(ELECT.)/MCF/RBL सहायक अभियन्ता आ०रे०डि०का० / रायबरेली A.W.M./Electrical/MCF/RBL
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