



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 /14

RLY	CR	COACH NO	211611/C	DATE OF DISPATCH			2-Apr-21		
Type	LWACCN	Shell No.	20C212	DISPATCH TO	Sr.DME/C&W/BB			FUR.NO.	L3T-1664
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		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-OMAX AUTO LTD					
Part		NPP END	M/S-OMAX AUTO LTD		530				
Complete		MCF/RBL SIS LINE		20C212					
ii	Lav. side wall			M/S-RAIL TECH KXH	LAV.1	-----	LAV.2	-----	
			M/S-RAIL TECH KXH	LAV.3	-----	LAV.4	-----		
iii	Side wall	LH SIDE	MCF/RBL-V4U LKO		121				
		RH SIDE	MCF/RBL-V4U LKO		121				
iv	End wall	PP END	MCF		-----				
		NPP END	MCF		-----				
v	Roof			MCF/CONT		51			
vi	Centre Buffer Coupler			M/S-ESCORT		NPP/PP	5926/5958		
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.		07 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		DATE OF COMPLETION	
i	Paint	P.U	K.NEROLAC	M/S-KANSAI NEROLAC		90/90		12-May-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					

वरिष्ठ निरीक्षक
SSE/QC/MCF/RBL
गुणवत्ता विभाग
२० डि० का०, रायबरेली (लालगंज)



Modern Coach Factory Raebareli
आधुनिक रेल डिब्बा कारखाना, रायबरेली

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

ROLLING STOCK CERTIFICATE(AC COACH)

Rolling Stock Certificate No.: MCF/RBL/QC/RSC/2021-2022 /14

RLY	CR	COACH NO	211611/C	DATE OF DISPATCH		2-Apr-21	
Type	LWACCN	Shell No.	20C212	DISPATCH TO	Sr.DME/C&W/BB	FUR.NO.	L3T-1664
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-FAIVELEY	B21.100B			
ii	Distribution valve		M/S-FAIVELEY	B215609B			
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-SUNCREST KOLKATA				
x	UIC Vestibule (NPPE)		M/S-SUNCREST KOLKATA				
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)+BHARAT LKO(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-AMIT ENGG SOLAN H.P				
xxix	Bio Tank		M/S-RAILFAB(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	146/136			
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						

अभियंता
SSE/QC/MCF/RBL
13 अप्रैल 2021
रेडिंकॉ, 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/2021-22-14

RLY	-	C	R	Coach No.	2	1	1	6	1	1	/	C	-	DATE OF DISPATCH	0	2	0	4	2	0	2	1
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DISPATCH	Sr.DME/C&W/BB	Type	L	W	A	C	C	N	Shell No.	2	0	C	2	1	2	FUR .NO	L3T-1664
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9. DETAIL OF BOGIES:-

ITEMS	NPP Side				PP Side			
Bogie No	202768				202767			
Bogie Type	FIAT				FIAT			
Frame no.	SIMPLEX ENNG - 278				SIMPLEX ENNG - 251			
Bolster no.	MCF/RBL - 3023				MCF/RBL - 3040			
Axle No	21C - 4163 RWF		21 C - 3699 RWF		20 B - 8903 RWF		21 C - 4020 RWF	
Wheel Dia	917.346	917.40	917.397	917.443	917.422	917.406	917.451	917.428
Wheel Disc No	TZ 09-20 28502-OTC3	TZ 09-20 27418-OTC9	TZ 09-20 34058-OSF1	TZ 09-20 27424-OTC9	TZ 09-20 27417-OTC9	TZ 09-20 34297-OTE0	TZ 07-20 45487-ORE4	TZ 09-20 31179-0SE8
R.B. Nos.	09-20 428742	09-20 302382	09-20 428431	09-20 300706	09-20 301390	09-20 301396	09-20 300347	09-20 300325
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.	CMAFJ-12-19- 8836-55	CMFSK-01-20- 9513-007-447	CMAFJ-12-19- 8836-64	CMFSK-01-20- 9513-007-378	CMAFJ-12-19- 8836-90	CMFSK-01-20- 9313-007-324	CMAFJ-12-19- 8836-96	CMFSK-01-20- 9313-007-376
Compressed Ht. at Tested Load	514	468	513	468	515	468	515	468
Alignment deviation (mm)	5	7	6	9	5	12	5	14

11. TRACEABILITY OF BOGIE ITEMS:-

S. NO	ITEM	MAKE/ SUPPLIER	510SERIAL NO.	
			NPP SIDE20	PP SIDE
1.	Yaw Damper	IAI	301614,293647	301594,294476
2.	Primary outer Spring	CMFSK	10-20-F03-028-(871,432,498,385)	10-20-F03-028-(99,408,640,435)
3.	Primary Inner Spring	CMFSK	10-20-F04-031-(114,117,125,149)	10-20-F04-031-(1020,161,91,134)
4.	Primary Damper	IAI	01-20-(299249,298865,321839,299781)	01-20-(300899,301009,299319,301145)
5.	Secondary Damper	KONI	04-19-(03535,06830)	04-19 (03525,06707)
6.	Lateral Damper	KONI	03-19 0496	03-20 313701
7.	Brake Cylinder	FAV	E20-(387,507,304,291)	N20-076,A21-(086,091,149)
8.	Brake Caliper	FAV	1948-B,G20-1946B,E20-191B,H20-183B	B21-(206,204,188,190)-B
9.	Brake Disc	KBI	24241016-(0018,0017,0019,0021)-48-20	24241016-(0012,0013)-48-20, 24241011-(0044,0045)-47-20
10.	Ball Joint Control Arm	GMT		
11.	Lateral Bump Stop	GMT		
12.	Traction Centre make	RNG		
13.	Traction lever make	TAJ		
14.	Ball joint traction lever	GMT		
15.	Ball joint traction centre	GMT		
16.	Secondary Rubber Pad	TECSPAK		
17.	Rubber Spring	PRAG		
18.	Anti roll bar Make	SF(SARITA)/NA		
19.	Roll Link make	JUR+GMT/RF+AR		
20.	Fork make	RNG		
21.	Control Arm Upper	SF(SARITA)	H-(47,292,52,87)	288,H-(15,28,38)
22.	Control Arm Lower	SF(SARITA)	H-(67,265,134,107)	H-(108,37,62,235)
23.	Phonic Wheel	KBI	K-01-20	K-01-20

Signature of SSE/Bogie/QC

SME/AME/QC/MCF/RBL

Dy.COM/MCF/RBL

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Modern Coach Factory, Raebareli

आधुनिक रेल डिब्बा कारखाना, रायबरेली
Modern Coach Factory, Raebareli

B1, B2, G32, G33, G34, UPSIDE INDUSTRIAL AREA, JAINPUR-209311, KANPUR DEHAT
(UTTAR PRADESH) TEL.: 05111-220231 TO 220239. FAX: 05111-220235

WARRANTY CERTIFICATE

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

Date: 12/12/2020

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
330	LWACCN 20C212	L3T-1564	211611	CR	05/12/2020

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 % & 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 Kansal Nerolac Paints Limited

Authorized Signatory
Head Office
NEROLAC HOUSE

Ganpatrao Kadam Marg,

Tel.: + 91.22.2493 4001

CIN No.: L24202MH1920PLC000825

Warranty Disclaimer: KNP warrants its 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. 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 its technical literature, or in response to specific inquiry, or otherwise, is based on data believed to be reliable; 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 Buyer to satisfy itself of the suitability of the products for its own particular use and it shall be deemed that Buyer has done so, at its sole discretion and risk. Variation in environment, changes in procedures of use, or extrapolation of data may cause unsatisfactory results



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रायबरेली

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		211611/C	
RAILWAY		CR	ELECT. FIT DATE		01-04-2021	MCF FUR. NO.	3T-1664
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			29.95 Cub mtr/min			OK
3.2	Return Air			71.60 Cub mtr/min			OK
3.3	Exhaust Air			5.63 Cub mtr/min			OK
3.4	Conditioned Air			171.31 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

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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) : 5892 B Sr no of RMPU 2(PP side): 5963 B Sr no of Microprocessor. : AE 2102065	As per RDSO/PE/SPES/AC/0061/REV-1/2005	01 Set
02.	Switch board cabinet Make : ISG Sr no : SBC-MCF-21-01-0278	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: KIND PA Sr.no: KIND/ASY/0035 Sr no.1: 19060535 Sr no.2 : 19060536 Sr.no.CPA: 20060039-KIND	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: 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: 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: 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: N/A	. EDML047,ITEM-4	N/A

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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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 v	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 Raebareli





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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 : AECO	LW 71002, Alt-I	01 no.
32.	Provision of Regulated Battery Charger Make: HITACHI Sr. no.: 18101778	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.: 01207210	EDTS163,REV-C,COR-2&3	01 no
34.	Provision of 5 KVA TFR Make : VIMAL Sr no : VTC 3089 LHB 1689	As Per EDTS-366,REV-NIL & CC-71510	01 no.
35.	Provision of capacitor Bank Make: NEC SL.no.: 2020097768	As per EDML-130 Rev-1, Corr-1	01 no.
36.	60KVA transformer Make : VIMAL Sr no : VTC-R-3089-LHB-3867	As per spec no. RDSO/PE/SPEC/AC/0080-2007 (REV-1)	01 no.
37.	Feeder junction boxes. Make : AECO	EDTS-328 REV-C	01 set
38.	Wheel set earthing equipment. Make : PRIME ELECT.	EDTS101,REV-C,AM-1	01 set
39.	Wheel Slide Protection System (WSP) Make : FAIVELEY Sr. no : 13129	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 अनुभाग अभियन्ता SSE/EL/CC आपरेटिंग/लागंज/रायबरेली S.S.E./Elect-QC/M.C.F./LLJ/RBL	AWM(ELECT)/MCF/RBL SEE(P)/MCF/RBL A.W.M./Elect-QC/M.C.F./LLJ/RBL
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