



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 /37

RLY	ER	COACH NO	211622/C	DATE OF DISPATCH	8-Apr-21
Type	LWACCW	Shell No.	20B076	DISPATCH TO	Sr.DME/C&W/KOAA
				FUR.NO.	L2T-T-213

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	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	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	LWACCN, LWACCW 4250 LWLRRM, LWCBAC, LFCWAC, LWSCZAC, LWFAC, LWFCZAC 4039
iv	CBC height/Buffer Height from Rail level	1105 +0/-10 NPP/PP 1098/1102

6 TRACEABILITY OF SHELL ITEMS:

S.N	ITEM	MAKE/SUPPLIER	SERIAL NO
i	Under frame	Front PP END M/S-SICO JBMI Part NPP END M/S-SICO JBMI Complete MCF/RBL-AIRCON	----- ----- 20B076
ii	Lav. side wall	MCF/RBL LAV.1 MCF/RBL LAV.3	LAV.2 LAV.4
iii	Side wall	LH SIDE MCF/RBL-CONT.V4U RH SIDE MCF/RBL-CONT.V4U	170 170
iv	End wall	PP END M/S-SIPL NPP END M/S-SIPL	----- -----
v	Roof	MCF/RBL-CONT.	94
vi	Centre Buffer Coupler	M/S-FRONTIER	NPP/PP 255P2/90P2
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 . Max. pressure in BC All Brake are applied	6 – 10 sec. 3.0 ±0.15 kg/cm ² . OK	7 Sec 3.0 kg/cm ² 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 2.Release hand brake	1.Hand Bk. Indicator should be red 2. Hand Bk. indicator should be green	OK 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	90/88	1-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-HARE KRISHNA	WORK CONTRACT
iii	Bio toilet & flushing	M/S-LUCKY ENTERPRISES	WORK CONTRACT
iv	Fire detection	NIL	NIL

वरिष्ठ अधिकारी
SSE/QC/MCF/RBL
गुणवत्ता विभाग
रेडिओका, रायबरेली (लालगंज)





Modern Coach Factory Raebareli
आधुनिक रेल डिब्बा कारखाना, रायबरेली

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RLY	ER	COACH NO	211622/C	DATE OF DISPATCH	8-Apr-21
Type	LWACCW	Shell No.	20B076	DISPATCH TO	Sr.DME/C&W/KOAA
				FUR.NO.	L2T-T-213

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	B21083B
ii	Distribution valve	M/S-FAIVELEY	B215588B
iii	Pull box	M/S-FAIVELEY	
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-REPOSITIVE GZB	
ix	UIC Vestibule (PPE)	M/S-ELASTOMER MUMBAI	
x	UIC Vestibule (NPPE)	M/S-ELASTOMER MUMBAI	
xi	Gangway bridge mounting (PPE)	M/s- MMW KXH	
xii	Gangway bridge mounting (NPPE)	M/s- MMW 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-OMEGA MOHALI	
xvii	Door way /gang way ceiling	M/S-GANDHI SAFE & ALLIED	
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(NPP)+MEENA FIBER(PP)	
xxiii	Body Side Doors	M/s-SUKATA(1,3)+SVARN(2,4)	
xxiv	Compartment Door (PPE)	M/s-POOJA SALES	
xxv	Compartment Door (NPPE)	M/s-POOJA SALES	
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-FLASH FORGE-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.BADDI	
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	39894,39822
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)-NIL

SSE/QC/MCF/RBL

गुणवत्ता विभाग

रेलवे कारखाना, रायबरेली (ला. ३)





MODERN COACH FACTORY, RAEBARELI

आधुनिक रेल डिब्बा कारखाना, रायबरेली

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RLY	E	R	-	Coach No.	2	1	1	6	2	2	/	C	-	DATE OF DISPATCH	0	8	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	6	FUR .NO	L2T-T-213
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9. DETAIL OF BOGIES:

ITEMS	NPP Side				PP Side			
Bogie No	210107				210108			
Bogie Type	FIAT				FIAT			
Frame no.	SIMPLEX -233				SIMPLEX -240			
Bolster no.	AMIT -175				AMIT -176			
Axle No	21 C - 4173 RWF		21C - 5926 RWF		21 C - 4194 RWF		21 D - 3677 RWF	
Wheel Dia	917.35	917.349	917.387	917.356	917.336	917.335	917.389	917.399
Wheel Disc No	TZ-08-19 73670-9RS8	TZ-08-19 75521-9RS8	TZ-08-19 74542-9RP2	TZ-06-17 22342-7QK1	TZ 03-18 431974	TZ 07-17 26431-7RK4	TZ 08-19 75510-9SK8	TZ 04-18 75215-8NG8
R.B. Nos.	10-20 432636	10-20 435320	09-20 302782	09-20 427717	10-20 43974	10-20 435071	09-20 430884	11-20 435718
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.	CMFSK08-10 9514-448-38	CMFSK01-19-9513-099-364	CMFSK08-10 9514-448-53	CMFSK01-19-9513-099-432	CMFSK08-10 9514-468-93	CMFSK01-19-9513-099-364	CMFSK08-10 9514-448-100	CMFSK01-19-9513-099-358
Compressed Ht. at Tested Load	510	468	510	468	509	468	511	464.5
Alignment deviation (mm)	9	14	9	10	9	11	9	9

11. TRACEABILITY OF BOGIE ITEMS :-

S. NO	ITEM	MAKE/SUPPLIER	SERIAL NO.	
			NPP SIDE	PP SIDE
1.	Yaw Damper	IAI	338580,338572	338467,307735
2.	Primary outer Spring	CMSTL	01-19 F03-N79-(2298,3056,3124,2840)	01-19 F03-N79-03 A(2120,3075,2622,2962)
3.	Primary Inner Spring	CMAFI	06-20 7412-(235,380,340,385)-	06-20 7412-(330,341,332,329)-
4.	Primary Damper	IAI	06-20 (310436,310195,310354,309480)	02-20 (309618,309506,309587,309371)
5.	Secondary Damper	KONI	04-19 (06234,06199)	04-19 (03983,06272)
6.	Lateral Damper	KONI	04-19 00602	03-19 00417
7.	Brake Cylinder	FAV	M20(164,),L20-208,A21-(190,103)	L20-210,B21-350,B21-(169,168)
8.	Brake Caliper	FAV	B21(797,793,920,930)B	B21(929,927,792,794)-B
9.	Brake Disc	KBI	24241013 0008-47/20,24241012 0023-47/20 24249888 0074-07/21,24249988 0032-07/21	24249988 0073-07/21,24249988 0072-07/21 24241012 0013-47/20,24241013 0007-47/20
10.	Ball Joint Control Arm	BONY		
11.	Lateral Bump Stop	GMT		
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	PRAG		
17.	Rubber Spring	GMT		
18.	Anti roll bar Make	SF		
19.	Roll Link make	SAI/ GMT JUR/BONY		
20.	Fork make	RNG		
21.	Control Arm Upper	CC	20B570,20G415,20B561,20H365	20B446,20G510,20B470,20H211
22.	Control Arm Lower	CC	20G402,20G315,20G420,20G480	20G359,20G273,20G345,20G466
23.	Phonic Wheel	FAV	FT/UE/L-20	FT/UE/L-20

Signature of SSE/Bogie/QC

SME/AME/QC/MCF/RBL

Dy. QCM/MCF/RBL

सहायक यंत्रिक इंजीनियर
Asst. Mechanical Engineer
आ. र. डि. का. रायबरेली
MCF, RBL

Modern C





GSTIN : 03ACBPK3400D1ZM
Excise Regn. No. ACBPK3400DXM001

G. S. INDUSTRIES

APPROVED BY

**N.S.I.C.
R.D.S.O.**

D-146, FOCAL POINT EXTENSION, JALANDHAR-144004

PHONE : (O) 0181-5081474

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ISO 9001-2015

ISO 14001-2015

WARRANTY CERTIFICATE

To,
Dy.CME/FP
MODERN COACH FACTORY,
RAEBARELI, LALGANJ-229120

Dated 4/3/21

Sub:- Performance warranty certificates.

Ref: - P.O.no 31061800101167 DATED 21.08.2019

Name Of Work: - Pu Paint For Lhb Type Rajdhani Coaches.

Dear Sir,

With reference to above, we do here by confirm the warranty for three years from the date of application of the delivered below mention 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
288	LWACCWT 203076	22TC7-213			01-3-21

The warranty is applicable from date of dispatch against the below mention defects as per RDSO specification no. M&C/PCN/100/2018.

- Gloss level value of applied paint-initial 85 unit (on the date of painting) and minimum 80%, 70% and 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,
For G.S.Industries

Auth. signatory



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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	
RAILWAY		ER		211622/C	
		ELECT. FIT DATE		08-04-2021	
				MCF FUR. NO.	
				21-T-213	
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			29.23 Cub mtr/min	OK
3.2	Return Air			69.67 Cub mtr/min	OK
3.3	Exhaust Air			7.15 Cub mtr/min	OK
3.4	Conditioned Air			185.13 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 : 22.7°C NPP Side : 21.2°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.				----

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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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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) 5948 B Sr no of RMPU 2(PP side): 5945 B Sr no of Microprocessor. : AE 2102004	As per RDSO/PE/SPES/AC/0061/REV-1/2005	01 Set
02.	Switch board cabinet Make : ISG Sr no : SBC-MCF-20-10-0189	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/0086 Sr no.1: 19060218 Sr no.2 : 19060219 Sr.no.CPA/Make: 20/3/397-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: ENSAVE	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: ELECTRO WAVES	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: ENSAVE	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.

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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: SSK	EDML047,ITEM-4	04 no.
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	35 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 : DEVINTEC	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-F2 & Drg no LW 76094	26 no.
22.	Provision & Mounting of reading light for transverse berth (RHS) Make: DHINGRA	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-F3 & Drg no. LW 76095	09 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	08 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(Rev.-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
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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: ANKUR	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: PI Sr. no.: 19120189	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: VIMAL SL.no.: VTC 3089 LHB-1638	As Per EDTS-366,REV-NIL & CC-71510	01 no.
35.	Provision of capacitor Bank Make: NEC SL.no.: 2020097381	As per EDML-130 Rev-1,Corr-1	01 no.
36.	60KVA transformer Make : VIMAL Sr no : VTC(R)3089LHB-3836	As per spec no.RDSO/PE/SPEC/AC/0080-2007 (REV-1)	01 no.
37.	Feeder junction boxes. Make : SYSTEMS	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 : 13112	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: 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

वर्षा/अनुलग्न अभियन्ता S.S.E/Elect-QC	AWM(ELECT)/MCF/RBL SEE(P)/MCF/RBL

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

10/5/21
कार्य प्रबन्धक/ विद्युत
आपरेडिङका/ रायबरेली
A.W.M./Elect-QC/MCF/RBL

