



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 /97

RLY	ER	COACH NO	211723/C	DATE OF DISPATCH			8-May-21		
Type	LWACCW	Shell No.	20B071	DISPATCH TO	Sr.DME/C&W/KOAA			FUR.NO.	L2T-T-207
1	Railway Board's Order No. :2021 (C)/142/2, 05.03.2021								
2	Tare Weight & Carrying Capacity of Coach :								
S.N	COACH TYPE	LWACCN	LWACCW	LWLRRM	LWCBC	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								
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		LWLRRM,LWCBC,LFCWAC,LWSCZAC,LWFAC,LWFCZAC		
					4250		4039		
iv	CBC height/Buffer Height from Rail level				1105 +0/- 10		NPP/PP		1102/1099
6	TRACEABILITY OF SHELL ITEMS:								
S.N	ITEM			MAKE/SUPPLIER		SERIAL NO			
i	Under frame	Front	PP END	MCF/RBL					
		Part	NPP END	M/S -JBMI					
		Complete		MCF/RBL/AIRCON		20B071			
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 LKO		196/01			
		RH SIDE		MCF/RBL-CONT.V4U LKO		196/02			
iv	End wall	PP END		M/S-RAILTECH KXH		-----			
		NPP END		M/S-RAILTECH KXH		-----			
v	Roof			M/S-DTL		06			
vi	Centre Buffer Coupler			M/S-FRONTIER		NPP/PP	31-P1/29-P1		
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 SIDE WALL/END WALL		DATE OF COMPLETION	
i	Paint	P.U	M/S-VIBGYOR	M/S-VIBGYOR		77/96		13-Apr-21	
ii	Insulation-	Satisfactory		ANTIGRAFFITE COATING		YES		WET ON WET- YES	
10	COACH FURNISH DETAILS :								
S.N	ACTIVITIES		FIRM		TURNKEY/WORK CONTRACT/SUPPLY&APPLY				
i	Coach Furnishing		M/S- H.F.GLASS VADODARA		WORK CONTRACT				
ii	Air Brake		M.S-SR ENT		WORK CONTRACT				
iii	Bio toilet & flushing		M/S-VEDANSH ENT.		SUPPLY&APPLY				
iv	Fire detection		NA		NA				

SSE/QC/MCF/RBL

वरिष्ठ अभियंता
गुणवत्ता विभाग
रेडिओ, रायबरेली (लालगंज)



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RLY	ER	COACH NO	211723/C	DATE OF DISPATCH	8-May-21
Type	LWACCW	Shell No.	20B071	DISPATCH TO	Sr.DME/C&W/KOAA
				FUR.NO.	L2T-T-207

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-KBI	6219-05/21
ii	Distribution valve	KBI	2021B12975
iii	Pull box	M/S-KBI	
iv	FIBA	NA	NA
v	Foot Step	M/S-FRONT TECH FARIDABAD	
vi	Decoupling arrangement	M/S-PULSAR RUBBER KOLKATA	
vii	Floor board	M/S-TWPL MUMBAI	
viii	PVC	M/S-PREMIER POLYFILM GZB	
ix	UIC Vestibule (PPE)	M/S-SUNCREST KOLKATA	
x	UIC Vestibule (NPPE)	M/S-SUNCREST KOLKATA	
xi	Gangway bridge mounting (PPE)	M/S-MAHAVEER METAL WORK KXH	
xii	Gangway bridge mounting (NPPE)	M/S-MAHAVEER METAL WORK KXH	
xiii	Body Side Window	M/S-AXSYS SOLUTION SIRMOUR	
xiv	Emergency Window	M/S-AXSYS SOLUTION SIRMOUR	
xv	Lavatory/hopper Window	M/S-BIRCON ENG GZB	
xvi	Roof Ceiling	M/S-MSL	
xvii	Door way /gang way ceiling	M/S-P.D.STEEL PKL	
xviii	Supply Air Duct	M/S-GANDHI SAFE JUC	
xix	Partition panel	M/S-PUNJAB LAMINATED H.P	
xx	Partition pillar	M/S-NAGINA ENGG,KXH	
xxi	Side Wall panel	M/S-H.F.GLASS VADODARA	
xxii	AC Trough	M/S-TATA(PP)+MSL(NPP)	
xxiii	Body Side Doors	M/S-JVR LDH+JBM FARIDABAD	
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-INTEC ENG.	
xxix	Bio Tank	M/S-JSL LIFESTYLE	
xxx	Pressurized flushing (ele. Pneu.)	M/S-SPAC	
xxxi	Auxiliary Water Tank	M/S-SHIVALIK MOHALI	
xxxii	Under Slung Water Tank (2X685L)	M/S-AMIT ENG.MOHALI	
xxxiii	Under Slung Water Tank (1x450 L)	M/S-AMIT ENG.MOHALI	
xxxiv	Health Faucet	M/S-H.F.GLASS VADODARA	
xxxv	Lotah Filler Tap	M/S-H.F.GLASS VADODARA	
xxxvi	Bib cock	M/S-JUPITER MOHALI	
xxxvii	Lavatory Modules	M/S-H.F.GLASS VADODARA	
xxxviii	Lavatory Doors	M/S-H.F.GLASS VADODARA	
xxxix	Fire Extinguisher	M/S-SAFEX FIRE	39813/39800
xxxx	Seat & Berth	M/S-VIBGYOR	
xxxxi	Snack Table	M/S-DLJM	
xxxxii	Light Luggage Rack	M/S-RAILTECH KXH	
xxxxiii	Venturi grill	M/S-H.F.GLASS VADODARA	
xxxxiv	Auto janitor	M/S-H.F.GLASS VADODARA	
xxxxv	Automatic smoke & heat Detection with alarm System	NA	

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

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

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MODERN COACH FACTORY, RAEBARELI

आधुनिक रेल डिब्बा कारखाना, रायबरेली

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RLY	E	R	-	Coach No.	2	1	1	7	2	3	/	C	-	DATE OF DISPATCH	0	8	0	5	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	1	FUR .NO	L2T -T- 207
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15. DETAIL OF BOGIES:

ITEMS	NPP Side				PP Side			
Bogie No	202704				202703			
Bogie Type	FIAT				FIAT			
Frame no.	WIL-145				WIL-169			
Bolster no.	MCF/RBL-2164				MCF/RBL-2096			
Axle No	20 C - 3374 RWF		20 B - 8788 RWF		20 B - 8118 RWF		20 B - 8938 RWF	
Wheel Dia	917.397	917.496	917.357	917.397	917.438	917.393	917.356	917.395
Wheel Disc No	TZ- 09-20 34366-0TE0	TZ- 09-20 26932-0TD2	TZ- 09-20 34368-0TC8	TZ- 09-20 26648-0TC3	TZ 09-20 34365-0TE0	TZ 09-20 34369-0TE0	TZ 09-20 26926-0SE9	TZ 09-20 31276-0SF2
R.B. Nos.	07-20 415853	06-20 412485	07-20 416599	06-20 412219	07-20 416496	06-20 413396	07-20 416557	06-20 412929
CT R B Make	TIMKEN		TIMKEN		TIMKEN		TIMKEN	

16. 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 11-20 8514-24	CMFSK 05-19 9513-007-528	CMAFJ 11-20 9514-72	CMFSK 05-19 9513-007-519	CMAFJ 11-20 8514-22	CMFSK 01-19 9513-007-525	CMAFJ 11-20 8514-25	CMFSK 01-19 9513-007-550
Compressed Ht. at Tested Load	511	462	512	469	510	466	510	464
Alignment deviation (mm)	18	10	19	10	18	8	18	8

17. TRACEABILITY OF BOGIE ITEMS :-

S. NO	ITEM	MAKE/SUPPLIER	SERIAL NO.	
			NPP SIDE	PP SIDE
1.	Yaw Damper	IAI	334411,335856	336012,336485
2.	Primary outer Spring	CMSTL	01-19 F03-S50-03A (751,1233,2389,1264)	01-19 F03-S50-03A (2411,827,1251,758)
3.	Primary Inner Spring	CMRSK/ CMSTL	04-19 F02-R91-02Y-(1897,2133,2213,1975)	02-19 F02S51-02A-(6113,5472,5608,5252)
4.	Primary Damper	GABRIEL/IAI	01-20 (14686,1338,14676,14685)	06-20 (298434,299749,300324,298745)
5.	Secondary Damper	KONI	04-19 (06345,03944)	04-19 (03989,04248)
6.	Lateral Damper	KONI	03-19 01837	03-19 001913
7.	Brake Cylinder	KBI	D(2526,0717,0716,2500)-K-29	D(2524,0597,0601,2504)-K-29
8.	Brake Caliper	KBI	C(6760,7068,7089,6761)-29	C(6762,6943,6945,6751)-29
9.	Brake Disc	HXDA	09-18 (40200795,49201089,48200928,48200999)	09-18 (50201183,49201073,50201185,50201184)
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	BONY		
16.	Secondary Rubber Pad	TECSPAK		
17.	Rubber Spring	BONY		
18.	Anti roll bar Make	SF		
19.	Roll Link make	RF+BONY		
20.	Fork make	RF/RNG		
21.	Control Arm Upper	CC	20H-28,20H-6,20G-237,20H-254	20G-205,20H-14,20H-183,20H-235
22.	Control Arm Lower	CC	19L-154,20G-260,19M-208,20A-156	20H-109,20G-56,19L-17,20A-1218
23.	Phonic Wheel	KBI	K-01-21	K-01-21

Signature of SSE/Bogie/QC	SME/AME/QC/MCF/RBL 26.08.2021 सहायक यांत्रिक इंजीनियर Asst. Mechanical Engineer आ. र. डि. का. रायबरेली MCF, RBL	Dy.CQM/MCF/RBL 26/08/2021 उप मुख्य गुणवत्ता प्रबन्धक Dy. Chief Quality Manager आधुनिक रेल डिब्बा कारखाना, रायबरेली Modern Coach Factory, Raebareilly
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Vibgyor Paints & Chemicals Pondicherry

Office : Sri Balaji Apartments, 87/47, Harrington Road,
Shenoy Nagar, Chennai - 600 030.
Web : www.vibgyorpaintspondicherry.com

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WARRANTY CERTIFICATE

To,

DY.CME/FUR/PAINT
MODERN COACH FACTORY
RAEBARELI, LALGANJ- 229120

Date:- 16.04.21

SUBJECT: -PERFORMANCE WARRANTY CERTIFICATE
REF: PO NO: 31061800101633 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/BB 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 from the date of application of the delivered below mention coaches vide your above referred purchase order after application & date inspection at your end.

SL.NO	SHELL NO	FURNISHING NO	COACH NO	RAILWAY NO	DATE OF COMPLETION
128	20B071 LWACCW	L2T(T) 207	211723	ER	26/02/2021 13/04/2021

The warranty is applicable from date of despatch against the below mention defects as per RDSO Specification no. MMDTS 18034 REV-02

Gloss should be above 70 at 60 degree during the initial period and entire life of 6 years

Decolourization of paint film.
Cracking of paint film
Peeling of paint film
Blistering of the paint film



Thanking You
For Vibgyor paints & chemicals Pondicherry

Factory : S-51, Phase III, Sipcot Industrial Complex, Nellikuppam, Ranipet - 632 405.
Ph : +91-4172-241478, Fax : +91-4172-242478, E-mail : vpcpdyr@yahoo.in, ramuvibgyor@yahoo.in

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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		211723/C	
		ELECT. FIT DATE		08-05-2021	
				MCF FUR. NO.	
				2T-T-207	
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		29.39 Cub mtr/min		OK
3.2	Return Air		64.31 Cub mtr/min		OK
3.3	Exhaust Air		7.15 Cub mtr/min		OK
3.4	Conditioned Air		178.76 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 :22.0°C NPP Side :21.3°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





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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 : INTEC Sr no of RMPU 1(NPP side) 20J 2028 Sr no of RMPU 2(PP side): 20G 1907 Sr no of Microprocessor. : 20013228-SIDWAL	As per RDSO/PE/SPES/AC/0061/REV-1/2005	01 Set
02.	Switch board cabinet Make : ISG Sr no : SBC-MCF-21-01-0260	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: 20/10/343 Sr no.1: 20/10/723 Sr no.2 : 20/10/724 Sr.no.CPA/Make: 20/10/099-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-I CORR.-1&2	02 no.
05.	Provision of Passenger area LED Light(Cabin) Make: RT VISION	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: DR AUTO	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: AGASTYA	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.

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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 : RT VISION	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: RT VISION	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: RT VISION	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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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: 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: WAVES Sr. no.: W4K5G 201894	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-1645	As Per EDTS-366,REV-NIL & CC-71510	01 no.
35.	Provision of capacitor Bank Make: NEC SL.no.: 2020108061	As per EDML-130 Rev-1,Corr-1	01 no.
36.	60KVA transformer Make : WAVES Sr no : W60KB 21338	As per spec no.RDSO/PE/SPEC/AC/0080-2007 (REV-1)	01 no.
37.	Feeder junction boxes. Make : INDORAIL	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 : KNORR Sr. no : 0120265342	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: SSK	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

SSE/EL/QC	AWM(ELECT.)/MCF/RBL

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गुणवत्ता नियंत्रण
आ०रे०डि०का० / लालगंज / रायबरेली
S.S.E./Elect-QC/M.C.F./LLJ/RBL

SEE(P)/MCF/RBL

स० कार्य प्रबन्धक / विद्युत
आ०रे०डि०का० / रायबरेली
A.W.M./Electrical/MCF/RBL

