

		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/2022-2023/859/9160									
RLY	NFR	COACH NO	224669/C		DATE OF DISPATCH		19-Dec-22		
Type	LWACCN	Shell No.	3T-22367	DISPATCH TO	SR.DME/C&W/GHY	FUR.NO.	L3T-2606		
1	Railway Board's Order No. 2022/M@/142/2,DT. 28.03.2022								
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 +/-10			NPP/PP			1102/1104		
6	TRACEABILITY OF SHELL ITEMS:								
S.N	ITEM			MAKE/SUPPLIER	SERIAL NO				
i	Under frame	Front	PP END	M/S- JBM INDUST.	353				
		Part	NPP END	M/S- JBM INDUST.	355				
		Complete	M/S- V4U TECHNIC	3T-22367					
ii	Lav. side wall			M/S-MIDAS	LAV.1	-----	LAV.2	-----	
				M/S-MIDAS	LAV.3	-----	LAV.4	-----	
iii	Side wall	LH SIDE		M/S-JSL	253/01				
		RH SIDE		M/S-JSL	253/02				
iv	End wall	PP END		M/S- TACPL	-----				
		NPP END		M/S- TACPL	-----				
v	Roof			M/S-JSL	89				
vi	Centre Buffer Coupler			M/S-FRONTIER	NPP/PP	72P2/02P2			
vii	Buffer			NA	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.	8.6 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-BERGER PAINT	SUPPLY & APPLY		88/87	12.10.2022		
ii	Insulation-	Satisfactory		ANTIGRAFFITE COATING-	NA	WET ON WET-	NA		
10	COACH FURNISH DETAILS :								
S.N	ACTIVITIES	FIRM			TURNKEY/WORK CONTRACT/SUPPLY&APPLY				
i	Coach Furnishing	M/S- SHREE DHANLAKSHMI ENGG.			WORK CONTRACT				
ii	Air Brake	M/S-FLUID CONTROL/MARS.			SUPPLY & APPLY				
iii	Bio toilet & flushing	M/S- VEDANSH ENTERPRISES.			WORK CONTRACT				
iv	Fire detection	M/S-SANROK ENTERPRISES.			WORK CONTRACT				
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ROLLING STOCK CERTIFICATE(AC COACH)					
Rolling Stock Certificate No.: MCF/RBL/QC/RSC/2022-2023/859/9160					
RLY	NFR	COACH NO	224669/C	DATE OF DISPATCH	19-Dec-22
Type	LWACCN	Shell No.	3T-22367	DISPATCH TO	SR.DME/C&W/GHY
11	MODIFICATION (IF ANY)		: NIL	FUR.NO.	L3T-2606
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(PP/NPP)	
i	Air Brake Module		M/S- FAV	2022-07-016B	
ii	Distribution valve		M/S- FAV	2022-07-5513B	
iii	Pull box		M/S KBI		
iv	FIBA		M/S-ESCORT	2022-05-3446, 2022-05-3500	
v	Foot Step		M/S- INEZ ENGG. COMP. KOLKATA.		
vi	Decoupling arrangement		M/S-ELASTOMAR LINING WORKS MUMBAI		
vii	Floor board		M/S-TWPL MUMBAI.		
viii	PVC		M/S-RESPONSIVE INDUST.MUMBAI		
ix	UIC Vestibule (PPE)		M/S-KIRAN RUBBER PRODUCT PUNE.		
x	UIC Vestibule (NPPE)		M/S-KIRAN RUBBER PRODUCT PUNE.		
xi	Gangway bridge mounting (PPE)		M/S - COSMOS INDUST. MUMBAI.		
xii	Gangway bridge mounting (NPPE)		M/S - COSMOS INDUST. MUMBAI.		
xiii	Body Side Window		M/S - CMT MECHANISED SYSTEM VADODARA.		
xiv	Emergency Window		M/S - CMT MECHANISED SYSTEM VADODARA.		
xv	Lavatory/hopper Window		M/S-AXSYS SOLUTION SIRMOUR HP.		
xvi	Roof Ceiling		M/S- HINDUSTAN FIBER GLASS WORK		
xvii	Door way /gang way ceiling		M/s-GANDHI SAFE & ALLIED JALANDHAR.		
xviii	Supply Air Duct		M/S-VARUN ENTERPRISES KXH.		
xix	Partition panel		M/S-UNIVERSAL METAL TEQ. NOIDA.		
xx	Partition pillar		M/S- HINDUSTAN FIBER GLASS WORK		
xxi	Side Wall panel		M/S-MOBILITY SOLUTION LTD, MOHALI.		
xxii	AC Trough		M/S-JBMR ENTERPRISES. LTD.		
xxiii	Body Side Doors		M/S-POOJA SALES CORPORATION		
xxiv	Compartment Door (PPE)		M/S-JR INDUST LTD.		
xxv	Compartment Door (NPPE)		M/S-JR INDUST LTD.		
xxvi	Vestibule Door(PPE)		M/S-KALSI AUTO DOOR LDH.		
xxvii	Vestibule Door(NPPE)		M/S-KALSI AUTO DOOR LDH.		
xxviii	RMPU		M/S-STESALIT LTD. BADDI SALON.		
xxix	Bio Tank		M/S-MAHAVIR ENG.-2 NO, JSL LIFESTYLE-2NO.		
xxx	Pressurized flushing (ele. Pneu.)		M/S-CEMCON		
xxxi	Auxiliary Water Tank		M/S-SHIVALIK FAST MOHALI		
xxxii	Under Slung Water Tank (2X685L)		M/S-SHIVALIK FAST MOHALI		
xxxiii	Under Slung Water Tank (1x450 L)		M/S-AMIT ENGG, MOHALI		
xxxiv	Health Faucet		M/S-CMT, VADODARA.		
xxxv	Lotah Filler Tap		M/S-CMT, VADODARA.		
xxxvi	Bib cock		M/S-JAL, JUPITER AQVA LINES. LTD.		
xxxvii	Lavatory Modules		M/S-CMT MECHANISED SYSTEM VADODRA.		
xxxviii	Lavatory Doors		M/S-CMT MECHANISED SYSTEM VADODRA.		
xxxix	Fire Extinguisher		M/S-CMT MECHANISED SYSTEM VADODRA.	870/871	
xxxx	Seat & Berth		M/S -ORIL (PUF) MUMBAI.		
xxxxi	Snack Table		M/S-DLJM NOIDA.		
xxxxii	Light Luggage Rack		M/S PLATONIC INDIA KANPUR		
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		M/S-SANROK ENTERPRISES.		
14.B TRACEABILITY OF FURNISHING ITEMS:(items for variant wise)					
i	Vacuum toilet system		NA		
ii	Odour control system		NA		
iii	CCTV		NA		
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	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/2022-23/ -859/9160

RLY	N	F	R	Coach No.	2	2	4	6	6	9	/	C	-	DATE OF DISPATCH	1	9	1	2	2	0	2	2
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DISPATCH	Sr.DME/C&W/GHY	Type	L	W	A	C	C	N	Shell No.	2	2	3	6	7	-	FUR .NO	L3T - 2606
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15. DETAIL OF BOGIES:-

ITEMS	NPP Side				PP Side			
Bogie No	212721				212722			
Bogie Type	FIAT				FIAT			
Frame no.	VS 673				VS 706			
Bolster no.	MCF/RBL/LS-5-1630				MCF/RBL/LS-5-3690			
Axle No	21 K 4170 RWF		21 K 1089 RWF		21 K 4376 RWF		21 K 4640 RWF	
Wheel DIA	918.64	918.37	918.39	918.50	918.59	918.54	918.569	918.55
Wheel Disc No	KLW 07-21 00272-212795	KLW 07-21 00231-212947	KLW 07-21 00222-213050	KLW 06-21 00293-212688	KLW 07-21 00177-212950	KLW 06-21 00237-212686	KLW 07-21 00041-212949	KLW 07-21 00279-212951
R.B. Nos.	07-21 416243	08-21 420365	08-21 421174	08-21 420373	07-21 416456	08-21 420390	07-21 301645	08-21 420728
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
Make & Nos.	TAYAL & CO SR.NO.- 12-21 0844	TAYAL & CO SR.NO.- 12-21 0337	TAYAL & CO SR.NO.- 12-21 0839	TAYAL & CO SR.NO.- 12-21 0841

17. TRACEABILITY OF BOGIE ITEMS:-

S. NO	ITEM	MAKE/ SUPPLIER	SERIAL NO.	
			NPP SIDE	PP SIDE
1.	Yaw Damper	IAI	AB-(48441,48442)	AB-(47838,48193)
2.	Primary outer Spring	CMGBD	11-21-F05-977-(285,288,263,228)	11-21-F05-977-(314,253,263,465)
3.	Primary Inner Spring	CMGBD	10-21-F04-025-(116,105,72,62)	10-21-F04-025-(128,20,61,118)
4.	Primary Damper	IAI	05-21 AB(21926,22886,22179,22538)	05-21 AB (23220,22457,23484,22187)
5.	Secondary Damper	IAI	02-21 AB(7745,7920)	02-21 AB(7908,7823)
6.	Lateral Damper	IAI	01-20 297771	01-20 297829
7.	Brake Cylinder	FAV	F21(796,218) H21(506,650)	H21 (300,199,212,330)
8.	Brake Caliper	FAV	21-07 (675,673) B 21-08 (1717,1720) B	21-08 (1227,1225,1226,1228) B
9.	Brake Disc	KBI	05-21 (0079,0080)24273303 05-21(0056,0055) 24273304	50-21 (0082,0018,0085,0084)24273304
10.	Ball Joint Control Arm	GMT		
11.	Lateral Bump Stop	PPI		
12.	Traction Centre make	RNG		
13.	Traction lever make	JI		
14.	Ball joint traction lever	GMT		
15.	Ball joint traction centre	GMT		
16.	Leveling Valve	ESCORT	10-21 (2252,2488)	10-21 (2332,2365)
17.	Check Valve	ESCORT	10-21 5084	10-21 2436
18.	Anti roll bar Make	EMSON		
19.	Roll Link make	SF+GMT		
20.	Fork make	RNG		
21.	Control Arm Upper	SF	157,278,592,1434	211,405,130,625
22.	Control Arm Lower	SF	175,148,295,669	70,189,221,158
23.	Phonic Wheel	KBI	K 06-21	K 06-21

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Warranty Certificate

Dated: 18/11/22

To
Dy CME FP & Paints
Modern Coach Factory
Lalganj, Raebareli UP

Ref: PO No: 06211092100466 dtd 04.03.2022

Sub: Performance Warranty Certificate

Dear Sir

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

S.No	Shell No	Furnishing No	Coach No	Railway No	Date of Completion	Gloss of Top Coat
71	LWACEN 37-22367	237 2606			12/10/22	88.06

The warranty is applicable from the date of despatch against below mentioned defect as per RDSO Spec No: M&C/PCN/100/2018.

Gloss level of applied paint initial 85 unit (on the date of painting) and minimum 80%, 70%, 60% of initial gloss after one year, two years, three years respectively from the date of application

Decolonization of paint film

Cracking of paint film

Peeling of paint film

Blistering of paint film

Thanking You

For Berger Paints India Limited

Mahendra Singh Rathore

Area Sales Manager

Berger Paints India Limited-Kanpur

BERGER PAINTS INDIA LIMITED

Plot No. 418, 419 & 420, Bhauti Station Road, Bhauti, Kanpur - 209305 (Uttar Pradesh)

Regd. Office : Berger House, 129 Park Street Kolkata-700 017, Phone : 2229 9724-28, 2229 6005-06, Fax : 91-33-22499009/9729, www.bergerpaints.com



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.						
TYPE COACH		LWACCN		SHELL/COACH NO		224669/C
RAILWAY		NFR	ELECT. FIT DATE	16-12-2022	MCF FUR. NO.	3T-2606
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			83.58 Cub mtr/min		OK
3.3	Exhaust Air			7.15 Cub mtr/min		OK
3.4	Conditioned Air			179.05 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. PRECOOLINT NOT DONE DUE TO AMBIENT TEMP. BELOW 22°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.					OK
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 : STESALIT Sr no of RMPU 1(NPP side): LHB/03/22/713 Sr no of RMPU 2(PP side): LHB/03/22/716 Sr no of Microprocessor. : 2207241 A PAUL	As per RDSO/PE/SPES/AC/0061/REV-1/2005	01 Set
02.	Switch board cabinet Make : TRINITRON Sr no : 22/10/0184R1-0150	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: DR AUTO PA Sr.no: 22/07/001 Sr no.1: P 22/06/6991 Sr no.2 : P 22/06/7023 Sr.no.CPA: 22/07/0177-DR AUTO	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 Sr no 1: 2022031092 Sr no 2: 2022031204	EDTS331, TYPE-1 CORR.-1&2	02 no.
05.	Provision of Passenger area LED Light(Cabin) Make: IMT	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: INTEG	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: DHINGRA	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: KAVERI	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: DHINGRA	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 SUPPLY AND APPLY-HF	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: VGS	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: 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 : SSK	As per spec EDML-064,REV-B,Am-1 alt 'c' Item-4 ,Drg. No. LW74202	09 no.

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ROLLING STOCK CERTIFICATE OF LHB EOG 3T COACH.

Sr. no.	Description	Drg/Spec no.	Quantity per Coach
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 : SSK	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 : SSK	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 : DHINGRA	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: : RT VISION	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: INTRA	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: IMT	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): S.INTERNATIONALS 2.(PP): S.INTERNATIONALS	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 : AMARA RAJA Sr no : 140005 TO 140013 Lug date : 06/22	EDTS 129,Rev nil	01 set
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: GOPAL ENGG.	As per drgno 1 10113 0 76 700 005,Alt C	01 no.
30.	Battery fuse box +ve Make : SSK	LW 71001,Alt-H	01 no.
31.	Battery fuse box –ve Make : SSK	LW 71002,Alt-I	01 no.
32.	Provision of Regulated Battery Charger Make: ELECTRONIC EQUIPMENT COMPANY Sr. no.: 05220026	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

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Modern Coach Factory Raebareli

आधुनिक नक रेल डिब्बा
का 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 3T COACH.

Sr. no.	Description	Drg/Spec no.	Quantity per Coach
34.	Provision of 5 KVA TFR Make : BHASIN Sr no : 11227428	As Per EDTS-366,REV-NIL & CC-71510	01 no.
35.	Provision of capacitor Bank Make: KONTACT CONSORTIUM SL.no.: KT-333	As per EDML-130 Rev-1,Corr-1	01 no.
36.	60KVA transformer Make : VIMAL Sr no : VTC (V) 3089 LHB 3969	As per spec no. RDSO/PE/SPEC/AC/0080-2007 (REV-1)	01 no.
37.	Feeder junction boxes. Make : HMTD ENGG.	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 : I 7808	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: JAI BALAJI	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

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