

		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/ 780/9081							
RLY	NFR	COACH NO	224628/C			DATE OF DISPATCH	6-Dec-22
Type	LWACCW	Shell No.	2T-22017	DISPATCH TO	SR.DME/C&W/GHY		FUR.NO.
1 Railway Board's Order No. :2022/M@142/2 DT:- 28.03.22 2 Tare Weight & Carrying Capacity of Coach :							
S.N	COACH TYPE	LWACCN	LWACCW	LWLRRM	LWCBAC	LFCWAC	LWSCZAC
i	Tare Weight	45.6	44.5	53.2	39	42.5	40.28
ii	Seating	72	52	NIL	15	10+28	78
iii	Sleeping	72	52	NIL	15	10+28	NIL
iv	Luggage	NIL	NIL	3.9	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. 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,LWCBAC,LFCWAC,LWSCZAC,LWFAC,LWFCZAC		
			4250		4039		
iv	CBC height/Buffer Height from Rail level		1105 +0/-10		NPP/PP		1105/1100
6 TRACEABILITY OF SHELL ITEMS:							
S.N	ITEM		MAKE/SUPPLIER		SERIAL NO		
i	Under frame	Front	PP END	M/S-DR. AUTO	7		
		Part	NPP END	M/S-DR. AUTO	8		
		Complete		M/S V4U TECHIE	2T-22017		
ii	Lav. side wall		M/S-MCF RBL		LAV.1	-----	LAV.2
			M/S-MCF RBL		LAV.3	-----	LAV.4
iii	Side wall	LH SIDE	M/S-MCF RBL		422/01		
		RH SIDE	M/S-MCF RBL		422/02		
iv	End wall	PP END	M/S-EEPL		-----		
		NPP END	M/S-EEPL		-----		
v	Roof		M/S-JSL		13		
vi	Centre Buffer Coupler		M/S-ESCORTS		NPP/PP		9340/9319
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/cm².		6 – 10 sec.		8.7 SEC	
		Max. pressure in BC		3.0 ±0.15 kg/cm².		3.0 kg/cm²	
		All Brake are applied		OK		OK	
ii	Insensitivity		Exhaust BP @ 0.3 kg/cm²/min.		No brake application		OK
iii	Sensitivity		Exhaust BP @ 0.1 kg/cm²/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-AKZONOBLE	SUPPLY&APPLY	97/96	02.11.2022	
ii	Insulation-	Satisfactory		ANTI GRAFFITE COATING-	YES	WET ON WET- YES	
10 COACH FURNISH DETAILS :							
S.N	ACTIVITIES		FIRM	TURNKEY/WORK CONTRACT/SUPPLY&APPLY			
i	Coach Furnishing		M/S-HINDUSTAN FIBER GLASS WORKS	WORK CONTRACT			
ii	Air Brake		M/S-MAHADEV ASSOCIATE	WORK CONTRACT			
iii	Bio toilet & flushing		M/S-SHREE MAHADEV ASSOCIATE	WORK CONTRACT			
iv	Fire detection		M/S-J K EXIM PVT. LTD.	WORK CONTRACT			
SSE/QC/MCF/RBL							

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ROLLING STOCK CERTIFICATE(AC COACH)					
Rolling Stock Certificate No.: MCF/RBL/QC/RSC/2022-2023/ 780/9081					
R/LY	NFR	COACH NO	224628/C	DISPATCH TO	DATE OF DISPATCH
Type	LWACCW	Shell No.	2T-22017	SR.DME/C&W/GHY	6-Dec-22
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(PP/NPP)
i	Air Brake Module			M/S-FAIVELEY	2022-02-091B
ii	Distribution valve			M/S-FAIVELEY	2022-02-5602B
iii	Pull box			M/S-KBI	
iv	FIBA			NA	
v	Foot Step			M/S-INEZ ENGG KOLKATA	
vi	Decoupling arrangement			M/S-ELASTOMER 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 PRODUCTS PUNE	
x	UIC Vestibule (NPPE)			M/S-KIRAN RUBBER PRODUCTS 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-SHATABDI SAFETY GLASS VADODARA	
xiv	Emergency Window			M/S-SHATABDI SAFETY GLASS VADODARA	
xv	Lavatory/hopper Window			M/S-BIRCON ENGG GZB	
xvi	Roof Ceiling			M/S-CENTUARY POLYMER VADODARA	
xvii	Door way /gang way ceiling			M/S-GANDHI SAFE & ALLIED JALANDHAR	
xviii	Supply Air Duct			M/S-UNIVERSAL ENGG CHENNAI LTD	
xix	Partition panel			M/S-UNIVERSAL METAL NOIDA	
xx	Partition pillar			M/S-PARTHRAJ TECH INDUST KXH	
xxi	Side Wall panel			M/S FIBRO PLASTICHEM KOLKATA	
xxii	AC Trough			M/S- MOBILITY SOLUTION LTD. MOHALI	
xxiii	Body Side Doors			M/S-POOJA SALES CORPORATION HRY	
xxiv	Compartment Door (PPE)			M/S-BANSILAL NARENDRA KR.	
xxv	Compartment Door (NPPE)			M/S-POOJA SALES CORPORATION HRY	
xxvi	Vestibule Door(PPE)			M/S-JBM INDUST FARIDABAD	
xxvii	Vestibule Door(NPPE)			M/S-JBM INDUST FARIDABAD	
xxviii	RMPU			M/S-INTEC CARPO DEHARADOON	
xxix	Bio Tank			M/S-MAHAVIR ENT.-2NO, 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-OASIS	
xxxiii	Under Slung Water Tank (1x450 L)			M/S-AMIT ENGG MOHALI	
xxxiv	Health Faucet			M/S-H F GLASS WORK VADODARA	
xxxv	Lotah Filler Tap			M/S-H F GLASS WORK VADODARA	
xxxvi	Bib cock			M/S-H F GLASS WORK VADODARA	
xxxvii	Lavatory Modules			M/S- H F GLASS VADODARA & CMT MECHANISED VADODARA	
xxxviii	Lavatory Doors			M/S-H F GLASS WORK VADODARA	
xxxix	Fire Extinguisher			M/S-H F GLASS WORK VADODARA	1665/1660
xxxx	Seat & Berth			M/S-YOGESH ENTERPRISES KXH	
xxxxi	Snack Table			M/S-DJLM NOIDA	
xxxxii	Light Luggage Rack			M/S-PLATONIC INDIA KANPUR	
xxxxiii	Venturi grill			M/S-H F GLASS WORK VADODARA	
xxxxiv	Auto janitor			M/S-H F GLASS WORK VADODARA	
xxxxv	Automatic smoke & heat Detection with alarm System			M/S-J K EXIM PVT. LTD.	
14.B TRACEABILITY OF FURNISHING ITEMS:(items for variant wise)					
i	Vacuum toilet system			NILL	
ii	Odour control system			NILL	
iii	CCTV			NILL	
SSE/QC/MCF/RBL					

	MODERN COACH FACTORY, RAEBARELI	DOC NO.: MCF/RBL/QMF 8002
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		DATE: 28.05.2021

ROLLING STOCK CERTIFICATE (AC COACH)
Rolling Stock Certificate No.: MCF/RBL/QC/RSC/2022-23/ - 780/9081

RLY	N	F	R	Coach No.	2	2	4	6	2	8	/	C	-	DATE OF DISPATCH	0	6	1	2	2	0	2	2
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DISPATCH	Sr.DME/C&W/GHY	Type	L	W	A	C	C	W	Shell No.-	2	2	0	1	7	-	FUR .NO	L2T -T-365
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15. DETAIL OF BOGIES:									
ITEMS	NPP Side				PP Side				
Bogie No	220844				220843				
Bogie Type	FIAT				FIAT				
Frame no.	MCF/RBL 4254				MCF/RBL 4283				
Bolster no.	APEX 890				APEX 861				
Axle No	02131 MSF		02477 MSF		L00539 MSF		03564 MSF		
Wheel Dia	917.57	917.67	917.36	917.69	917.05	917.13	917.50	917.64	
Wheel Disc No	KLW 01-22 00017-220376	KLW 01-22 00135-220375	KLW 01-22 00073-220375	KLW 01-22 00025-220375	ZB-2014 0164-11610	ZB-2014 0074-10568	TZ 11-19 80866-9WE2	TZ 08-19 74617-9SK7	
R.B. Nos.	01-22 400562	01-22 402958	01-22 500343	01-22 400798	01-22 402010	01-22 402996	01-22 403660	01-22 403271	
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.	CMGBD-12-21-F18-008-43	CMAFJ-06-22-F19-048-44	CMGBD-12-21-F18-008-16	CMAFJ-06-22-F19-048-27	CMAFJ -12-19 9514-18	CMAFJ-06-22-F19-048-71	CMAFJ 12-19 9514-61	CMAFJ-06-22-F19-048-72
Compressed Ht. at Tested Load	512	464	512	464	510	466	510	467
Alignment deviation (mm)	36	12	38	12	10	5	10	10

17. TRACEABILITY OF BOGIE ITEMS :-				
S. NO	ITEM	MAKE/ SUPPLIER	SERIAL NO.	
			NPP SIDE	PP SIDE
1.	Yaw Damper	IAI	AB-(48141,47866)	AB-(47896,47710)
2.	Primary outer Spring	CMRSK	07-18-F03-S31-(2457,4296,2486,1218)	07-18-F03-S31-(148,1561,1631,1095)
3.	Primary Inner Spring	CMGBD	12-20-F03-386-(948,950,607,330)	12-20-F03-386(4571,4415,3361,963)
4.	Primary Damper	IAI	07-21-AB(36768,36890,37550,37523)	04-22-AB(89078,8932,89234,88918)
5.	Secondary Damper	GABREIL	05-22(442,443)	05-22-(435,438)
6.	Lateral Damper	KONI	03-19 01449	03-19 00511
7.	Brake Cylinder	FAV	22-06-(347,246,247,346)	22-06-(352,194,3534), 22-07-180
8.	Brake Caliper	FAV	22-08-(535,533,534,536)B	22-08-(552,530,529,531)B
9.	Brake Disc	FAV	03-22-(8740,5950,5948)D137366-100, 02-21-1522-D137366-100	03-22-(5175,7190)D137366-100, 02-21-(1501,1504) D137366-100
10.	Ball Joint Control Arm	BONY		
11.	Lateral Bump Stop	PPI		
12.	Traction Centre make	RNG		
13.	Traction lever make	JJ		
14.	Ball joint traction lever	BONY		
15.	Ball joint traction centre	PPI/BONY		
16.	Secondary Rubber Pad	PRAG		
17.	Rubber Spring	MTC		
18.	Anti roll bar Make	SF		
19.	Roll Link make	RF+AR/JUR+BONY		
20.	Fork make	RNG		
21.	Control Arm Upper	KUMAR	D-(3682,882,5642), N-5058	D-5848, N-(2616,2628,2854)
22.	Control Arm Lower	KUMAR	N-(5872,5816,5910,4950)	N-(5874,5807,5815,5872)
23.	Phonic Wheel	KBI	K-02-22	K-11-21
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AkzoNobel India Limited C 56 Hosiery Complex
Phase 2 Noide U.P. Pin-
201305

Date

To,

DY CME/ PAINT

MODERN COACH FACTORY

RAEBARELI

PO. NO: 31061800101674 DT 04/10/2019

WARRANTY CERTIFICATE NO: EMP/2019-20

This the certify that POLYURETHANE PAINTING Work done under Your P.O. NO: 32061800101674
DT 04/10/2019 has completed on:

SL	COACH TYPE	MCF/RBL FURNNISHING	COMPLETION DATE	COACH NUMBER	RAILWAY
96	LHAECN- 2T-22017	L2T(J)- 365.	02.11.22		

The PU Painting work done on each coach shall be warranted for a period of 06 year from the date of completion of the work for the coaches for Gloss retention / color retention & adherence

Properties as per RDSO Specification: M&C/PCN/100/2018 & As per MMDTS-18034 Rev-02. If any

Imperfection is noticed or any defect arise during the warranty period due to improper material used or due to bad workmanship AKZONOBEL INDIA LIMITED shall be bound to set right defect/imperfection on free of cost basis.

Note: - It is certified that Gloss value

Before Antigraffiti gloss value- 96.72

After Antigraffiti gloss value- 74.09

For: AKZONOBEL INDIA LIMITED.



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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		224636/C					
RAILWAY		NER		ELECT. FIT DATE		17-12-2022		MCF FUR. NO.		3T-2536	
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				28.93 Cub mtr/min				OK		
3.2	Return Air				80.63 Cub mtr/min				OK		
3.3	Exhaust Air				6.16 Cub mtr/min				OK		
3.4	Conditioned Air				173.44 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 : INTEC Sr no of RMPU 1(NPP side) : 22J2585 Sr no of RMPU 2(PP side): 22J2602 Sr no of Microprocessor. : 2208147 A PAUL	As per RDSO/PE/SPES/AC/0061/REV-1/2005	01 Set
02.	Switch board cabinet Make : AMIT ENGG. Sr no : 22011183	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 ELECTRICAL PA Sr.no: PA-22/05/1935 Sr no.1: 22/04/6590 Sr no.2 : 22/04/6591 Sr.no.CPA: 22/07/0063-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: 2022031222 Sr no 2: 2022031352	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 : 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: : 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): OM NAMH SHIVAYA 2.(PP): OM NAMH SHIVAYA	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 : 139924 TO 139932 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 : RADIANT ELECTRICAL	LW 71002,Alt-I	01 no.
32.	Provision of Regulated Battery Charger Make: ELECTRONIC EQUIPMENT COMPANY Sr. no.: 08220120	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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ROLLING STOCK CERTIFICATE OF LHB EOG 3T COACH.

Sr. no.	Description	Drg/Spec no.	Quantity per Coach
34.	Provision of 5 KVA TFR Make : VIMAL Sr no : VTC 3089 LHB 3653	As Per EDTS-366,REV-NIL & CC-71510	01 no.
35.	Provision of capacitor Bank Make: KONTACT CONSORTIUM SL.no.: KT-345	As per EDML-130 Rev-1,Corr-1	01 no.
36.	60KVA transformer Make : VIMAL Sr no : VTC (V) 3089 LHB 3792	As per spec no. RDSO/PE/SPEC/AC/0080-2007 (REV-1)	01 no.
37.	Feeder junction boxes. Make : SIDWAL	EDTS-328 REV-C	01 set
38.	Wheel set earthing equipment. Make : S.INTERNATIONALS	EDTS101,REV-C,AM-1	01 set
39.	Wheel Slide Protection System (WSP) Make : KNORR Sr. no : 3522222607	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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