

		Modern Coach Factory Raebareli आधुनिक रेल डिब्बा कारखाना, रायबरेली				DOC NO.: MCF/RBL/QMF 8002 REV NO: 03 DATE: 14.10.22				
ROLLING STOCK CERTIFICATE (AC COACH) Rolling Stock Certificate No.: MCF/RBL/QC/RSC/2022-2023/834/9135										
RLY	NER	COACH NO	227572/C					DATE OF DISPATCH	15-Dec-22	
Type	LWACCN[E]	Shell No.	3TE-22108	DISPATCH TO	SR.DME/C&W/GKP			FUR.NO.	L3T-E-107	
1 Railway Board's Order No. 2022/M@/142/2,DT.29.07.2021										
2 Tare Weight & Carrying Capacity of Coach :										
S.N	COACH TYPE	LWACCN	LWACCW	LWLRRM	LWCBAC	LFCWAC	LWSCZAC	LWFAC	LWACCNE	LWFCZAC
i	Tare Weight	45.6	44.5	53.2	39	42.5	40.28		48.5	39
ii	Seating	72	52	NIL	15	10+28	78	24	83/80	56
iii	Sleeping	72	52	NIL	15	10+28	NIL	24	83/80	NIL
iv	Luggage	NIL	NIL	3.9	NIL	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									
iii	Disabled lavatory arrangement									
iv	Mobile holder near mobile charging point									
v	PAPIS(Public address & passenger information system)									
vi	Ladder/Pillar with air vent									
vii	CCTV arrangement									
viii	Illumination strip in corridor area									
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,LWACCNE		LWLRRM,LWCBAC,LFCWAC,LWSCZAC,LWFAC,LWFCZAC				
				4250		4039				
iv	CBC height/Buffer Height from Rail level			1105 +0/-10				NPP/PP	1096/1100	
6 TRACEABILITY OF SHELL ITEMS:										
S.N	ITEM			MAKE/SUPPLIER		SERIAL NO				
i	Under frame	Front Part	PP END	M/S- SICO						
			NPP END	M/S -DR AUTO						
		Complete		M/S - V4U TECHNIC		3TE-22108				
ii	Lav. side wall			M/S- LANCER TECH.		LAV.1	-----	LAV.2	-----	
				M/S- LANCER TECH.		LAV.3	-----	LAV.4	-----	
iii	Side wall	LH SIDE		M/S- DTL		56/01				
		RH SIDE		M/S- DTL		56/02				
iv	End wall	PP END		M/S- JVR		-----				
		NPP END		M/S- JVR		-----				
v	Roof			M/S-MCF/CONT/MADRIKA		125				
vi	Centre Buffer Coupler			M/S-ESCORT		NPP/PP	9792/9797			
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.		8.7 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-EMPRISE PAINT	SUPPLY & APPLY		98/96		10.12.2022		
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-CMT MECHANISED VADODARA.		TURNKEY					
ii	Air Brake		M/S-FLUID TEQ./MARS		SUPPLY & APPLY					
iii	Bio toilet & flushing		M/S-CMT VADODARA (H.F.GLASS)		TURNKEY					
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/2022-2023/834/9135					
RLY	NER	COACH NO	227572/C	DISPATCH TO	DATE OF DISPATCH
Type	LWACCN[E]	Shell No.	3TE-22108	SR.DME/C&W/GKP	15-Dec-22
11	MODIFICATION (IF ANY) : NIL			FUR.NO.	L3T-E-107
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		2022-03-213B
ii	Distribution valve		M/S-FAV		2022-03-5743B
iii	Pull box		M/S-KBI		
iv	FIBA		M/S-ESCORT		3613-05-2022, 3621-05-2022
v	Foot Step		M/S- INEZ ENGG. KOLAKATA		
vi	Decoupling arrangement		M/S-ELASTOMER LINING WORKS MUMBAI.		
vii	Floor board		M/S-TWPL MUMBAI.		
viii	PVC		M/S-CMT MECHANISED VADODARA.		
ix	UIC Vestibule (PPE)		M/S-ELASTOMER LINING WORKS MUMBAI.		
x	UIC Vestibule (NPPE)		M/S-ELASTOMER LINING WORKS MUMBAI.		
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 VADODARA		
xiv	Emergency Window		M/S-SHATABDI VADODARA		
xv	Lavatory/hopper Window		M/S-CMT MECHANISED VADODARA.		
xvi	Roof Ceiling		M/S-CMT MECHANISED VADODARA.		
xvii	Door way /gang way ceiling		M/S-CMT MECHANISED VADODARA.		
xviii	Supply Air Duct		M/S-CMT MECHANISED VADODARA.		
xix	Partition panel		M/S-CMT MECHANISED VADODARA.		
xx	Partition pillar		M/S-CMT MECHANISED VADODARA.		
xxi	Side Wall panel		M/S-CMT MECHANISED VADODARA.		
xxii	AC Trough		M/S-JBMR NOIDA.		
xxiii	Body Side Doors		M/S- JVR INDUST. LUDHIYANA.		
xxiv	Compartment Door (PPE)		M/S-CMT MECHANISED VADODARA.		
xxv	Compartment Door (NPPE)		M/S-CMT MECHANISED VADODARA.		
xxvi	Vestibule Door(PPE)		M/S-KALSI AUTO DOOR SYSYTEM. LUDHIYANA.		
xxvii	Vestibule Door(NPPE)		M/S-KALSI AUTO DOOR SYSYTEM. LUDHIYANA.		
xxviii	RMPU		M/S-DOULATRAM BHOPAL.		
xxix	Bio Tank		M/S-MAHAVIR ENGG.-2NO.UNIFAB-2NO.		
xxx	Pressurized flushing (ele. Pneu.)		M/S-CMT VADODARA.		
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-OASIS.		
xxxiv	Health Faucet		M/S-CMT VADODARA		
xxxv	Lotah Filler Tap		M/S-CMT VADODARA		
xxxvi	Bib cock		M/S-CMT VADODARA		
xxxvii	Lavatory Modules		M/S-CMT MECHANISED VADODARA.		
xxxviii	Lavatory Doors		M/S-CMT MECHANISED VADODARA.		
xxxix	Fire Extinguisher		M/S-LIGHTEX FIRE MUMBAI (SUPPLY BY CMT VADODARA).		3727/3961
xxxx	Seat & Berth		M/S-CMT MECHANISED VADODARA.		
xxxxi	Snack Table		M/S-CMT MECHANISED VADODARA.		
xxxxii	Light Luggage Rack		M/S-CMT MECHANISED VADODARA.		
xxxxiii	Venturi grill		NA		
xxxxiv	Auto janitor		NA		
xxxxv	Automatic smoke & heat Detection with alarm System		M/S-SANROK ENTERPRISES FARIDABAD		
14.B TRACEABILITY OF FURNISHING ITEMS:(items for variant wise)					
i	Vacuum toilet system		NA		
ii	Odour control system		M/S-CMT MECHANISED VADODARA.		
iii	CCTV		M/S-PROZNE, JALANDHAR (SUPPLY BY CMT VADODARA.)		
iv	disabled Lav.		YES		
v	Ladder		YES		
vi	Roller Blind		YES		
vii	Saloon sliding door		NA		

	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/ -834/9135

RLY	N	E	R	Coach No.	2	2	7	5	7	2	/	C	-	DATE OF DISPATCH	1	5	1	2	2	0	2	2
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DISPATCH	Sr. DME/C&W/GKP	Type	L	W	A	C	C	N	E	Shell No.	2	2	1	0	8	FUR.NO	L3T-E-107
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15. DETAIL OF BOGIES:-

ITEMS	NPP Side				PP Side			
Bogie No	221718				221717			
Bogie Type	FIAT				FIAT			
Frame no.	RAIL TECH -1393				RAIL TECH - 1390			
Bolster no.	MCF/RBL/LS-5-4112				MCF/RBL/LS-5-4121			
Axle No	03578 DSP		07236 DSP		03751 DSP		08683 MSF	
Wheel DIA	917.27	917.52	917.14	916.89	917.28	917.16	917.17	916.88
Wheel Disc No	TZ 10-22 67999-2V03	TZ 10-22 67662-2V61	TZ 10-22 67362-2V18	TZ 10-22 67392-2T75	RML 09-22 090-21F-0048	RML 09-22 221-22D00156	TZ 10-22 67360-2V18	TZ- 10-22 67361-2V18
R.B. Nos.	06-22 508551	05-22 415740	04-22 506224	05-22 508167	05-22 415729	06-22 509178	05-22 415817	06-22 509492
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. S.NO. – 06-22 2119	TAYAL&CO. S.NO. – 05-21 7596	AVADH RAIL S.NO. – 10-21 0691	AVADH RAIL S.NO. – 09-21 0462

17. TRACEABILITY OF BOGIE ITEMS:-

S. NO	ITEM	MAKE/ SUPPLIER	SERIAL NO.	
			NPP SIDE	PP SIDE
1.	Yaw Damper	IAI	AB-(48508,49541)	AB-(49480,48111)
2.	Primary outer Spring	CMFSK	01-22-F05-150-(563,878,537,567)	01-22-F05-150-(556,542,553,559)
3.	Primary Inner Spring	CMFSK	01-22-F04-155-(298,244,182,412)	01-22-F04-155-(575,283,304,136)
4.	Primary Damper	GABRIEL	09-22-(8275,8274,8273,8268)	09-22-(8351,8355,5111,8350)
5.	Secondary Damper	GABRIEL	07-22-(2800,2805)	07-22-(2799,3091)
6.	Lateral Damper	ESCORT	08-22 7469	08-22 7507
7.	Brake Cylinder	FAV	22-04-(0303,0336,0392,0309)	22-04-(0211,0571,0564,0212)
8.	Brake Caliper	FAV	22-05-(1103,1101,1102,1104)B	22-05-(1067,1065,1066,1068)B
9.	Brake Disc	HXDA	09-18-(06220684,06220667,12220899,1220900)	09-18-(122021019,12221014,12220904,12220903)
10.	Ball Joint Control Arm	BONY/ARYAN		
11.	Lateral Bump Stop	ARYAN		
12.	Traction Centre make	SF		
13.	Traction lever make	JI		
14.	Ball joint traction lever	GMT		
15.	Ball joint traction centre	BONY		
16.	Leveling Valve	ESCORT	07-22-(4424,4063)	07-22-(4158,4007)
17.	Check Valve	ESCORT	07-22 2557	07-22 2367
18.	Anti roll bar Make	SF		
19.	Roll Link make	SF+GMT		
20.	Fork make	RNG		
21.	Control Arm Upper	PACL	666,582,582,580	703,681,654,654
22.	Control Arm Lower	PACL	540-66,739-72,739-45,540-45	540-16,741-11,739-39,540-8
23.	Phonic Wheel	FTIRTP	FTIRTP-04-22	FTIRTP-04-22

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EMPRISE Marketing

B-1/31, Sector H, Aliganj
Lucknow - 226 024 (India)
Tele Fax : (0522) 4017682
E-mail : emprisemarketing@hotmail.com

Date: 12/12/2022

DY CME/Paint
MODERN COACH FACTORY
RAEBARELI

P.O NO:06211094100942 DT 05.05.2022

WARRANTY CERTIFICATE NO: EMP/2019-20

This is to certify that POLYURETHANE PAINTING work done under your P.O
NO:06211094100942 DT 05.05.2022 has been completed on:

SL	COACH TYPE	RCF/RBL Furnishing no	Completion date	Coach Number	Railways
10	LDAC (NF) 37F-22108	137(E) 107	10/11/2022		

The Pu Painting work done on each coach shall be warranted for a period of 06 years 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-04. If any imperfection is noticed or any defect arise during the warranty period due to improper material used or due to bad workmanship EMPRISE MARKETING shall be bound to set right the defect/imperfection on free of cost basis.

1. Before antigravity gloss value 97.63
2. After antigravity gloss value 98.57

For: EMPRISE MARKETING


(Authorised Signatory)



AUTHORISED DISTRIBUTORS :
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	Modern Coach Factory Raebareli आधुनिक रेल डिब्बा कारखाना, रायबरेली	DOC NO.: MCF/RBL/QEF/8001
		REV NO: 00
		DATE: 09.06.2022

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FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF LHB 3T AC ECONOMY COACH (GARIB RATH).

ELECTRICAL TEST CERTIFICATE FOR LHB 3T AC ECONOMY COACH.						
TYPE COACH		LWACCNE		SHELL/COACH NO		227572/C
RAILWAY		NER	ELECT. FIT DATE	13-12-2022	MCF FUR. NO.	3T(E)-107
Sr. no.	Description of tests					Remarks
1.0	REFERENCE SPECIFICATION : L 446					OK
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		
3.1	Fresh Air			29.16	Cub mtr/min	OK
3.2	Return Air			70.38	Cub mtr/min	OK
3.3	Exhaust Air			4.66	Cub mtr/min	OK
3.4	Conditioned Air			238.09	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. 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 RBC CUM EBC					OK
17.0	WORKING OF PASSENGER INFORMATION SYSTEM					OK
18.0	SAFETY :					
18.1	OHP :					OK
18.2	ROTARY 07 SET POINTS (NORMAL CONDITION)					OK
18.3	LP/HP GAUGE					OK
18.4	HYGROSTAT					OK
18.5	CONTROL CIRCUIT					OK
18.6	POWER CIRCUIT					OK
18.7	REFRIGERANT USED R 407C					OK

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ROLLING STOCK CERTIFICATE OF LHB 3T AC ECONOMY COACH.

Sr. no.	Description	Drg/Spec no.	Quantity per Coach
01.	Fitment & connection of LED Light fittings 18 watt (Type-B1) with polycarbonate cover. Make: K-LIGHT	As per RDSO/PE/SPEC/TL/0091-2016,Rev-1 with RCF Drg.ED72001	11 NO.
02.	Fitment & connection of continuous Corridor Light with Night light with polycarbonate diffuser (18W + 1W+ 1W) Make: K-LIGHT	As per RDSO/PE/SPEC/TL/0091-2016,Rev-01, with RCF Drg.ED72001	10 NO.
03.	Fitment & connection of Doorway/Gangway light 9 watt (Type B1) with polycarbonate cover. Make: K-LIGHT	As per RDSO/PE/SPEC/TL/0091-2016,Rev-01, with RCF Drg.ED72001-	06 NO.
04.	Fitment & connection of Doorway area Indirect light 9 watt (LED Strip Light) Make: NIL	As per RDSO/PE/SPEC/TL/0091-2016,Rev-01, with RCF Drg.ED72001-	N/A
05.	Fitment & connection of Passenger alarm chain indication light 3 watt (Type I) Make: K-LIGHT	As per RDSO/PE/SPEC/TL/0091-2016,Rev-01 with RCF Drg.ED72001 Drg no. LW 76098.	02 NO.
06.	Fitment & connection of Toilet indication (WC) light 1 watt (Type H1) Make: K-LIGHT	As per RDSO/PE/SPEC/TL/0091-2016,Rev-01 with RCF Drg.ED72001 Drg no. LW 76097.	04 NO.
07.	Fitment & connection of Lavatory Light 9 watt (Type D)Make: K-LIGHT	As per RDSO/PE/SPEC/TL/0091-2016,Rev-01 with RCF Drg.ED72001 Drg no. LW 76092.	04 NO.
08.	Fitment & connection of Emergency Lighting system Make: INTRA	As per RDSO/PE/Spec/AC/0180-2016, Rev-01 Type-2 or Latest.	04 NO.
09.	Fitment & connection of Berth reading light with USB charging Point covered with polycarbonate front cover 2 watt (Type F) Make: DR AUTO	As per RDSO/PE/SPEC/TL/0091-2016,Rev-01, with RCF Drg.ED72001-	80 NO.
10.	Fitment & connection 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: SKS	As per Spec EDML-064,Rev-B, Am-3, Cor-1 Item-16, Drg. No. LW74202,Alt-e, with RCF Drg.ED72001	10 NO.
11.	Fitment & connection of switch plate assembly complete with polycarbonate cover frame and powder coated steel plate with 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: SKS	As per Spec EDML-064,Rev-B, Am-3, cor-1 Item -3, Drg. No. LW74202,Alt-e, with RCF Drg.ED72001	10 NO.
12.	Fitment & connection 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: SKS	As per Spec EDML-064,Rev-B, Am-3, cor-1 Item -6, Drg. No. LW74202,Alt-e cor-1, with RCF Drg.ED72001	10 NO.
13.	Fitment& connection of switch plate assembly complete with polycarbonate cover frame and powder coated steel plate with 4 no. ON-OFF switches and 1 no. 5-pin socket 6A, 250 V AC 1 no. 1.0 Amp glass. Make: SKS	As per Spec EDML-064,Rev-B, Am-3 Cor-1 Item-7, Drg. No. LW74202,Alt-e, with RCF Drg.ED72001	01 NO.

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		REV NO: 00
		DATE: 09.06.2022

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ROLLING STOCK CERTIFICATE OF LHB 3T AC ECONOMY COACH.

Sr. no.	Description	Drg/Spec no.	Quantity per Coach
14.	Fitment & connection 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 coach Set
15.	Mounting of Inter Vehicle coupler	As per drg no 1.10113.0.74.000.001,Alt-B	
16.	Fitment & connection 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 No.
17.	Fitment of Wheel Set Earthing equipment. Make:- NPP: S.INTERNATIONALS PP: S.INTERNATIONALS	EDTS101,REV-C,AM-1	01 coach Set
18.	Fitment of IVC coupler safety Chain at PP/NPP end.		02 No.
19.	Fitment of Public addressing System & PIS. Make: WORK DONE BY MECHNICAL DEPARTMENT.	AS PER SSE/ELECT./STAGE-III AC (OS) & STAGE-IX. LETTER DATED 19.11.2022 AND REFERENCE P.O.NO-04211474101509 DATED 19/07/2022 INSTALLATION AND COMMISSIONING WORK OF PIS HAS BEEN CARRIED OUT BY MECHANICAL DEPARTMENT.	N/A
20.	Fitment of Jumper Cable with connector for PA system.	As per Drg. No. LW75206,Alt-C.	02 no.
21.	Fitment of Anti Skid Disk Brake System.(WSP) Make: FAIVELEY Sr no : I 7801	As per MDTS 077,Rev.-2 M/s"FAIVELEY" or "Knorr Bremse", or "ESCORTS"	01 Set
22.	Roof mounted AC Package unit Make : DAULATRAM Sr. no : (NPP Side): 22C/RMPU/30/591 (PP Side): 21H/RMPU/30/330 CPU No: SA 22082583	RDSO/PE/SPEC/AC/0061 2005, REV-1,TYPE-1with RDSO/PE/MS/AC/077-2018 (rev-0) or Latest.	01 Set
23.	Provision of Double inlet cent- Centrifugal blower 415V/3Ph /50Hz, 20W, 450Cub mtr/hr for Lav/SBC. Make : KAAMNEY ELECTRONICS SL.no:1: 2022092455 SL.no:2: 2022092519	EDTS331, TYPE-1 CORR.-1&2	02 no.
24.	Provision of 60KVA TFR Make: VIMAL Sr no: VTC (V) 3089 LHB 3954	As per spec no.RDSO/PE/SPEC/AC/0080-2007 (REV-1)	01 no.
25.	Mounting of 60KVA TFR.	As per drg no 1.10113.0.76.300.001,Alt -B	Ok
26.	Provision of wire rope assembly for 60 KVA Transformer	As per EDML-152,Rev. Nil	Ok
27.	Provision of 5 KVA TFR Make: VIMAL SL.no: VTC 3089 LHB 3642	As Per EDTS-366,REV-NIL,CORR.1 or Latest.	01 no.
28.	Provision of capacitor Bank Make: KONTACT CONSORTIUM SL.no: KT-352	As per EDML-130,Type-1 Rev- 1,Corr-3 or Latest.	01 no.

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		REV NO: 00
		DATE: 09.06.2022

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ROLLING STOCK CERTIFICATE OF LHB 3T AC ECONOMY COACH.

Sr. no.	Description	Drg/Spec no.	Quantity per Coach
29.	Provision of Regulated Battery Charger CUM Emergency battery Charger. Make: ELECTRONIC EQUIPMENT COMPANY Sr. no.: 05220041	RDSO/PE/SPEC/AC/0183-2015(REV.-1)-For Under slung RBC cum EBC.	01 no.
30.	Provision of Pump equipment with pump box. Make: HIND ELECTRICAL Pump Assembly Sr no: PA 22/05/1879 Pump 1: 22/04/6478 Pump 2: 22/04/6479	As per spec no. EDTS186,REV-A,AM-2	01 set
31.	Mounting of Pump equipment with pump box.	As per drg no 1.10113.0.30.100.001,Alt 'a'	Ok
32.	Provision & Mounting of Pump controller. Make: HIND ELECTRICAL SL.no: C 22/09/2513	As per Spec. EDTS186, & drg no. CC71328 & LW70020	01 no.
33.	Provision of Feeder Junction Box Make : SIDWAL	EDTS-328 REV-C,AM-4,Type-II,COR-2	4 no.
34.	Provision of IVC dummy Socket assembly.	As per Drg. No. LW71302,Alt-nil	02 no.
35.	Battery fuse box +ve Make : SSK	As per LW 71001,Alt- H	01 no.
36.	Battery fuse box -ve Make : ARSH	As per LW 71002,Alt-I	01 no.
37.	Provision of Set of Panel (Power panel) On Board LV Make: POWER CONTROL ELECTRO Sr no : 22100274 Under slung HV Make: POWER CONTROL ELECTRO Sr no : 22100228	As per spec no. RDSO/PE/SPEC/AC/0200-2020(REV.0).	01 set
38.	Provision of gps based passenger information system for lhb ac 3-tier coaches	As Per RDSO/PE/SPEC/AC/0087-2008 (REV-1) & RDSO/PE/SK/AC/0182-2015 & RDSO/PE/TP/AC/0026/-2015, REV-0.	01 no.
39.	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 : 138389 TO 138407 Lug date : 06/22	EDTS 129,Rev nil	01 set
40.	Battery box for LHB coaches. Make: ANANYA RAILCOACH	As per drgno 1 10113 0 76 700 005,Alt C	01 no.

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