



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

(FORM NO. QMF 9454 VER:1.00)

1.	SHELL NO	0001	BOGIE NO	206952	/ 206953	DISPATCH DATE	31-AUG-20
2.	RAILWAY	NR	TYPE OF COACH	LFCWACX		COACH NO	202329
3.	BOOKED TO	SSE/C&W/DLI					
4.	Tare Weight of Coach	42.5 T					
5.	Carrying Capacity	Seating	38	Sleeping	38	Luggage	NIL
6.	6.1	Leading Dimensions:					
	i)	Maximum length over Body		23700+10/-0			
	ii)	Maximum width over Body		3240-8/+0 mm, 3050 mm (for LWSCZDAC)			
	iii)	Maximum height from Rail Level		4250 (for LWACCN), 4039 (for LWACCW, LGS, LWSCN, LWSCZAC, LWFAC, LWCBCAC, LWLRRM), 4366 (for LWSCZDAC)			
	iv)	CBC Height	Specified: 1105 +0/-15 mm		1105	1105	
	v)	CBC (Make)			SANROK	SANROK	
	vi)	Buffer (Make)					
7.	Air Brake Testing:		Description		Specified		
	7.1	Full Brake Application	Reduce pressure of BP from 5.0 to 3.4 kg/cm ²		06 - 10 Sec		
			Max Pressure in BC		3.80±0.15 Kg/cm ²		
			All Brake are applied		OK		
	7.2	Insensitivity	Exhaust BP @ 0.3 Kg/cm ² /mi		No brake application		
	7.3	Sensitivity	Exhaust BP @ 0.1 Kg/cm ² /Sec, After 02 Sec		Brake must apply		
8.	Painting Details:		Type of Paint		Make	Average Gloss Value	
	8.1	Paint	PU PAINT		NAROLACK	86 / 86	
	8.2	Application of PCN-123	SATISFACTORY				
	8.3	Insulation	SATISFACTORY				
9.	Traceability of Furnishing Items:						
	1	FLOOR BOARD	SRI RAM				
	2	PVC	PREMIER POLYFILM				
	3	UIC VESTIBULES	CEMCON				
	4	BODY SIDE DOOR	JVR				
	5	VESTIBULE SLIDING DOOR	KALSI				
	6	WATER TANKS	AMIT, RAIL FAB, AMIT				
	7	COMPOSITE MODULAR TOILET	HIND, CENTURY				
	8	LAVATORY DOORS	HIND, CENTURY				
	9	SEAT & BEARTH	AAR KAY FOAM, AMIR CHAND				
	10	BIO-TOILET	MK, CEMCON, MK, CEMCON				
	11	EP BRAK / BRAKE EQUIPMENT	FAVELLY				
	12	BIO DIGESTER/VACUUM EVACUATION SYSTEM	MK, CEMCON, MK, CEMCON				
10.	10.1	Modification/ Trial (If any): 1. ASPIRATION FIRE/SMOKE DETECTION WITH ALARM SYSTEM AS PER RDSO SPECIFICATION NO. RDSO/2008/CG-04 REV.04, SUPPLIED AND COMMISSIONED BY M/S- SANROK ENTERPRISES , FARIDABAD, CONTACT NO. 09810566723. 2-VINYL WRAPPING SUPPLIED AND FITTED BY M/S ; EMPRISE MARKETING , LUCKNOW. 3-AUTOMATIC ODOUR CONTROL SYSTEM PROVIDED WITH LOCK AND KEY BY M/S ACME INDIA DELHI CHECKED AND FOUND SATISFACTORY.					
	10.2	Deviations (If any): NIL					



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QMF 9829, VER:1.00

11.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date
		0001	NR	LFCWACX	202329	31-AUG-20

11.1 Wheel & Axle Details:									
i.	Bogie No.	206952				206953			
ii.	Frame No.	KE-62				KE-68			
iii.	Bolster No.	AMIT-195				AMIT-197			
iv.	Axle No.	RWF - V9981		RWF - W0084		RWF - T4102		RWF - W0438	
v.	Items/locations	Earthing end side	Phonic wheel side	Phonic wheel side	Plain side	Earthing end side	Phonic wheel side	Phonic wheel side	Plain side
vi.	Wheel Dia.	917.00	917.00	917.10	917.10	917.00	917.00	917.00	917.00
vii.	Wheel Disc No.	80931-9VC8-TZ	76002-9VG1-TZ	85548-9WK5-TZ	85568-9WK5-TZ	77655-9WG9-TZ	85635-9WF0-TZ	83635-9VC9-TZ	84085-9VE8-TZ
viii.	RB Nos.	33355	42782	41740	44030	32052	33298	33132	42837
ix.	RB Make	TIMKEN		TIMKEN		TIMKEN		TIMKEN	
x.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING							

11.2 Secondary suspension load deflection Values:				
Description	Lateral Damper Side	Non-Lat. Damper Side	Lateral Damper Side	Non-Lat. Damper Side
i. Make & Nos.	AVADH-20-1-3849	AVADH-20-1-3803	AVADH-20-1-3807	AVADH-20-1-3852

Items traceability:				
11.3	Sno. Item			Make
	i.	Primary Outer Spring	CMSTL-19-11	CMSTL
	ii.	Primary inner Spring	GBD-20-01	GBD
	iii.	Primary Damper	307732, 307428, 307265, 307957	IAI
	iv.	Secondary Damper	18067, 18066	KBI
	v.	Lateral Damper	297079	IAI
	vi.	Brake cylinder & Caliper	C20434-600,C20537-600, C20538-600,C20536-600	FTI
	vii.	Brake Disc		KBI
	viii.	Contral arm top		KUMAR
	ix.	Control arm bottom		KUMAR
	x.	Top rubber Pad		ARYAN
	xi.	Vertical Bump Stop		ARYAN
	xii.	Ball Joint Control arm		ARYAN
	xiii.	Lateral Bump stop		ARYAN
	xiv.	Traction center make		RNG
	xv.	Traction lever make		JI
	xvi.	Ball joint traction lever		AVADH
	xvii.	Traction center elastic		GMT
	xviii.	Secondary rubber pad		NA
	xix.	Rubber spring		NA
	xx.	Anti roll bar make		EMSON
	xxi.	Ball joint roll link		SARITA
	xxii.	Fork make		EMSON

11.4	i. Modification/Trail(if any):	NIL
	ii. Deviations (if any):	Deviations (If any): NIL

LFCWACX - 0001



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF

LHB AC (1+2) COACH WITH AIR SPRING IN SECONDARY

TYPE OF COACH : LFCWACX Shell No : 0001 COACH_NO : 202329

RAILWAY : NR COUPLING TYPE : CBC DATE OF FITMENT: 31-AUG-20

S.No	PL No & Item Description	Drawing No	Make	Item Sr.No.(if any)
Group Name PP-SIDE				
0	33501427-0, AXLE MOUNTED DISC BRAKE SYSTEM FOR ALSTOM-LHB DESIGN-AC & NAC COACHES	MDTS077 REV. 02	FAIVELEY TRANSPORT RAIL TECH. INDIA LTD.	I-1416
2	33635080-2, PUMP CONTROLLER	EDTS186	L E CORP. KAPSONS	2005-R-1022
1	33635237-1, RMPU	SPECIFICATION NO. EDTS075	AMIT ENGINEERS	4643-A-20
2	33635237-2, MICRO PROCESSOR CONTROLLER	SPECIFICATION NO. EDTS075	AMIT ENGINEERS	AE-2001338
1	33640300-1, PA SYSTEM	EDTS173,TYPE-V	AHUJA BY PUNJAB RADIOS	4820260
0	33641419-0, REGULATED BATTERY CHARGER	EDTS109	HI-REL POWER ELECTRONICS PVT.LTD	HHPE-20033311
1	33641663-1, ANNUNCIATOR UNIT	EDTS 117	V.S. INSTRUMENTS	NIL
1	33641936-1, SWITCH BOARD CABINET	EDTS-073, REV.-A	AMIT ENGINEERS	AE-SB-1000
2	33641936-2, DISCONNECTING & EARTHING DEVICE	EDTS-073, REV.-A	AMIT ENGINEERS	L&T
Group Name NON-PP SIDE				
1	33635237-1, RMPU	SPECIFICATION NO. EDTS075	AMIT ENGINEERS	4645-A-20
Group Name BOGIE PP SIDE				
1	33635067-1, BOGIE 1	EDTS101 REV-"A"	PRIME ELECTRONICS	206953
Group Name BOGIE NPP SIDE				
2	33635067-2, BOGIE 2	EDTS101 REV-"A"	PRIME ELECTRONICS	206952
Group Name UNDER FRAME				
1	33635080-1, PUMP	EDTS186	L E CORP. KAPSONS	2005-R-1018
0	33635183-0, 60 KVA TRANSFORMER	EDTS076	RAMYAA ELECTRO-GEAR PVT. LTD.	1909-82-345
0	33635328-0, 3 KVA DELTA/STAR 415/190 V TRANSFORMER	EL/EOG/4-74 WITH RCF NOTE-1	ELECTRO WAVES ELECTRONICS PVT. LTD.	WLDT5C-20792
0	33640178-0, BATTERY FUSE BOX -VE	LW71002 ALT"a"	RADIANT ELECTRICAL & ALLIED INDUSTRIES	2002134



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S.No	PL No & Item Description	Drawing No	Make	Item Sr.No.(if any)
Group Name UNDER FRAME				
0	33640786-0, BATTERY FUSE BOX +VE	LW71001 ALT"a"	RADIANT ELECTRICAL & ALLIED INDUSTRIES	200258
0	33641729-0, 70AH,110V, VRLA LEAD ACID MAINTENANCE FREE BATTERY(9 NOSX12V)	RDSO/PE/SPEC/AC/09-2008,REV-1 WITH AM-1	HBL	06-2020
0	33650184-0, BATTERY BOX MOUNTING FOR LHB COACH AND 9 HOLES OF DIA 25 mm AS PER SKED-383 IN DRG.NO. 3 10113.0.76	1 10113.0.76.700.005 EXCEPT ITEM NO. 5,22,23,25 TO 27 ALT 'C'.	ANKUR ENGINEERING WORKS	NIL
1	35982913-1, CAPACITOR BANK FOR LHB EOG POWER CAR COACHES	EDML130, TABLE-2	NEC SW. GEARS & CONTROLS	2020-01-3355
Group Name COMPARTMENT				
2	33640300-2, SPEAKERS	EDTS173, TYPE-V	AHUJA BY PUNJAB RADIOS	NIL
2	33641663-2, INDICATOR UNITS	EDTS 117	V.S. INSTRUMENTS	NIL
Group Name UNDER FRAME PP SIDE				
1	33640580-1, FEEDR JUNCTION BOX	EDTS328	M.V.ELECTRO SYSTEM PVT.LTD.	NIL
1	33641110-1, ZS COULING 500A,750V,3-PHASE 50 HZ	EDTS105,,REV-E,AM1&2 WITH ANN. A	PRIME ELECTRONICS	NIL
Group Name UNDER FRAME NPP SIDE				
2	33640580-2, FEEDR JUNCTION BOX	EDTS328	M.V.ELECTRO SYSTEM PVT.LTD.	NIL
2	33641110-2, ZS COULING 500A,750V,3-PHASE 50 HZ	EDTS105,,REV-E,AM1&2 WITH ANN. A	PRIME ELECTRONICS	NIL
SSE/EL/QC		AME/WM QC/DY CQM I		