



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

(FORM NO. QMF 9454 VER:1.00)

1.	SHELL NO	9002	BOGIE NO	196917 / 196918	DISPATCH DATE	30-SEP-19
2.	RAILWAY	NR	TYPE OF COACH	LWFCWAC	COACH NO	196910
3.	BOOKED TO	SSE/C&W/DLI				
4.	Tare Weight of Coach	42.5 T				
5.	Carrying Capacity	Seating	38	Sleeping	NIL	Luggage
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	1100	1096	
	v)	CBC (Make)		SANROK	SANROK	
	vi)	Buffer (Make)				
7.	7.1	Air Brake Testing:	Description	Specified		
		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.	8.1	Painting Details:	Type of Paint	Make	Average Gloss Value	
		Paint	PU PAINT	GS	86 / 86	
	8.2	Application of PCN-123	SATISFACTORY			
	8.3	Insulation	SATISFACTORY			
9.	Traceability of Furnishing Items:					
	1	EP BRAK / BRAKE EQUIPMENT	KBI			
	2	BIO-TOILET	RAIL FAB, OMAX			
	3	FLOOR BOARD	TWPL			
	4	PVC	RESPONSIVE			
	5	UIC VESTIBULES	KRP			
	6	WATER TANKS	SHIVALIK, AMIT, SHIVALIK			
	7	BODY SIDE DOOR	JVR			
	8	VESTIBULE SLIDING DOOR	KALSI			
	9	SEAT & BEARTH	AAR KAY FOAM, AMIR CHAND			
	10	LAVATORY DOORS	HINDUSTAN, CMT			
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 TECHNO EXPERT, JALANDHAR.				
	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			
		9002	NR	LWFCWAC	196910	30-SEP-19			

11.1 Wheel & Axle Details:									
i.	Bogie No.	196917				196918			
ii.	Frame No.	ECBT-587				FIAT-CA-1087			
iii.	Bolster No.	PD-CA-891				PD-CA-903			
iv.	Axle No.	RWF - 113327		RWF - H7092		RWF - H3060		RWF - G9236	
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.	917.20	917.20	917.20	917.20	916.62	916.62	916.70	916.70
vii.	Wheel Disc No.	43106-8SG1-TZ	39089-8RQ4-TZ	38786-8RQ6-TZ	38795-8RQ6-TZ	42317-8RP7-TZ	39717-8RL9-TZ	40673-8RL4-TZ	39795-8RL3-TZ
viii.	RB Nos.	08464	34261	23776	04426	34155	24175	007639	34240
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-19-5-1561	AVADH-19-5-1625	AVADH-19-4-1482	AVADH-19-4-1473

Items traceability:				
Sno.	Item			Make
i.	Primary Outer Spring	STLI-19-02		STLI
ii.	Primary inner Spring	RSK-18-02		RSK
iii.	Primary Damper	31464, 31463, 31461, 31462		KBI
iv.	Secondary Damper	0214, 0161		SABOHEMA
v.	Lateral Damper	578		GABRIEL
vi.	Break cylinder & Caliper	B2486-691,B1564-691, B2459-691,B1566-691		KBI
vii.	Break Disc			FTI
viii.	Contral arm top			KUMAR
ix.	Control arm bottom			KUMAR
x.	Top rubber Pad			GMT
xi.	Vertical Bump Stop			GMT
xii.	Ball Joint Control arm			GMT
xiii.	Lateral Bump stop			GMT
xiv.	Traction center make			SARITA
xv.	Traction lever make			SARITA
xvi.	Ball joint traction lever			MGN
xvii.	Traction center elastic			GMT
xviii.	Secondary rubber pad			NA
xix.	Rubber spring			NA
xx.	Anti roll bar make			SARITA
xxi.	Ball joint roll link			SARITA
xxii.	Fork make			SARITA

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

LWFCWAC - 9002



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF

LHB IST AC CUM 2NAC COACH

TYPE OF COACH : LFCWAC **Shell No : 9002** **COACH_NO : 196910**

RAILWAY : NR **COUPLING TYPE : CBC** **DATE OF FITMENT: 28-SEP-19**

S.No PL No & Item Description	Drawing No	Make	Item Sr.No.(if any)
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Group Name PP-SIDE

0	33501427-0, AXLE MOUNTED DISC BRAKE SYSTEM FOR ALSTOM-LHB DESIGN-AC & NAC COACHES	MDTS077 REV. 02	KNOOR - BREMSE INDIA PVT.LTD.	0119141593
2	33635080-2, PUMP CONTROLLER	EDTS186	KAPSON (KIND) PUMP SET	19080022
1	33635237-1, RMPU	SPECIFICATION NO. EDTS075	AMIT ENGINEERS	2759-G-18
2	33635237-2, MICRO PROCESSOR CONTROLLER	SPECIFICATION NO. EDTS075	AMIT ENGINEERS	AE-1902241
1	33640300-1, PA SYSTEM	EDTS173,TYPE-V	AHUJA BY PUNJAB RADIOS	4486311
0	33640361-0, EMERGENCY BATTERY CHARGER	M/s Pyramid model no.PYRA/BCUR/415/ 50 Fully Bridge Diode Based with	I.C ELECTRICAL COMPANY PVT. LTD.	IC ELECTRICAL
0	33640361-0, EMERGENCY BATTERY CHARGER	M/s Pyramid model no.PYRA/BCUR/415/ 50 Fully Bridge Diode Based with	I.C ELECTRICAL COMPANY PVT. LTD.	08/19/0048
1	33641663-1, ANNUNCIATOR UNIT	EDTS 117	M/S V.S INSTRUMENTS	NIL
1	33641936-1, SWITCH BOARD CABINET	EDTS-073, REV.-A	ESS ESS KAY ENGG. CO. PVT. LTD.	2018-10-085
2	33641936-2, DISCONNECTING & EARTHING DEVICE	EDTS-073, REV.-A	ESS ESS KAY ENGG. CO. PVT. LTD.	L&T

Group Name NON-PP SIDE

1	33635237-1, RMPU	SPECIFICATION NO. EDTS075	AMIT ENGINEERS	2770-G-18
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Group Name PANTRY

1	33635330-1, HOT CASE	EDTS139	NOT PROVIDED	NIL
2	33635330-2, BOTTLE COOLER CUM DEEP FREEZER	EDTS139	NOT PROVIDED	NIL

Group Name BOGIE PP SIDE

1	33635067-1, BOGIE 1	EDTS101 REV-"A"	S INTERNATIONAL	196918
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Group Name BOGIE NPP SIDE

2	33635067-2, BOGIE 2	EDTS101 REV-"A"	S INTERNATIONAL	196917
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Group Name UNDER FRAME



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Group Name UNDER FRAME				
1	33635080-1, PUMP	EDTS186	KAPSON (KIND) PUMP SET	19030157/ 19030158
0	33635183-0, 60 KVA TRANSFORMER	EDTS076	MAA LAXMI INDUSTRY	MLI-011
0	33635328-0, 3 KVA DELTA/STAR 415/190 V TRANSFORMER	EL/EOG/4-74 WITH RCF NOTE-1	ELECTRO WAVES ELECTRONICS PVT. LTD.	WLDTSB-19466
0	33640178-0, BATTERY FUSE BOX -VE	LW71002 ALT"a"	INTEG ELECTRONICS	2018-08-2108
0	33640786-0, BATTERY FUSE BOX +VE	LW71001 ALT"a"	RSI SWITCHGEAR PVT. LTD.	1902-1803
0	33641729-0, 70AH,110V, VRLA LEAD ACID MAINTENANCE FREE BATTERY(9 NOSX12V)	RDSO/PE/SPEC/AC/0 09-2008,REV-1 WITH AM-1	HBL	04/2019
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'.	MEENAKSHI ENGINEERING WORKS	NIL
1	35982913-1, CAPACITOR BANK FOR LHB EOG POWER CAR COACHES	EDML130, TABLE-2	NEC SWITCHGEAR S & CONTROLS	..
Group Name COMPARTMENT				
2	33640300-2, SPEAKERS	EDTS173, TYPE-V	AHUJA BY PUNJAB RADIOS	NIL
2	33641663-2, INDICATOR UNITS	EDTS 117	M/S V.S INSTRUMENTS	NIL
Group Name UNDER FRAME PP SIDE				
0	33640580-0, FEEDER JUNCTION BOX	EDTS328	INTERNATION AL SWITCHGEAR PVT. LTD.	NIL
0	33641110-0, ZS COUPLING 500A,750V,3-PHASE 50HZ	EDTS105,,REV- E,AM1&2 WITH ANNX. A	MAA LAXMI INDUSTRY	NIL
Group Name UNDER FRAME NPP SIDE				
0	33640580-0, FEEDER JUNCTION BOX	EDTS328	INTERNATION AL SWITCHGEAR PVT. LTD.	NIL
0	33641110-0, ZS COUPLING 500A,750V,3-PHASE 50HZ	EDTS105,,REV- E,AM1&2 WITH ANNX. A	S INTERNATION AL	NIL



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FOR ELECTRICAL ITEMS		
ROLLING STOCK CERTIFICATE OF LHB IST AC CUM 2NAC COACH		
SSE/EL/QC	AME/WM QC/DY CQM I	