



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

(FORM NO. QMF 9454 VER:1.00)

1.	SHELL NO 8009	BOGIE NO 187376	/ 187377	DISPATCH DATE 25-FEB-19
2.	RAILWAY CR	TYPE OF COACH LWFAC	COACH NO 191113	
3.	BOOKED TO	SSE/C&W/CST/M		
4.	Tare Weight of Coach	43.65 T		
5.	Carrying Capacity	Seating 24	Sleeping 24	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, LWCBAC, LWLRRM), 4366 (for LWSCZDAC)	
	iv)	CBC Height	Specified: 1105 +0/-15 mm	1104
	v)	CBC (Make)		SANROK
	vi)	Buffer (Make)		SANROK
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
	8.1	Paint	PU PAINT	VIBGYOR
	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 TECH, JSL	
	3	FLOOR BOARD	TWPL	
	4	PVC	RESPONSIVE	
	5	UIC VESTIBULES	POLYMER	
	6	LAVATORY DOORS	HIND	
	7	WATER TANKS	AMIT, MANOJ	
	8	BODY SIDE DOOR	JBM	
	9	VESTIBULE SLIDING DOOR	KALSI	
	10	SEAT & BEARTH	AAR KAY FOAM	
10.	10.1	Modification/ Trial (If any): NIL		
	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			
		8009	CR	LWFAC	191113	25-FEB-19			

11.1 Wheel & Axle Details:									
i.	Bogie No.	187376				187377			
ii.	Frame No.	FIAT-CA-821				FIAT-CA-828			
iii.	Bolster No.	PD-CA-1094				VT-CA-874			
iv.	Axle No.	Z - 4232		V - 1431		Y - 7490		A - 7913	
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.	916.00	916.00	916.00	916.00	916.00	916.00	916.00	916.00
vii.	Wheel Disc No.	32247-7SH8-TZ	29485-7RJ7-TZ	27740-7QJ8-TZ	20663-8PR3-TZ	27650-8PR0-TZ	27648-8PR0-TZ	31625-7SJ8-TZ	28504-8RG1-TZ
viii.	RB Nos.	27179	36475	24942	25821	27177	28072	36488	25792
ix.	RB Make	SKF		SKF		SKF		SKF	
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-18-7-295	AVADH-18-7-320	AVADH-18-7-288	AVADH-18-7-253

Items traceability:

11.3	Sno.	Item	Make	
	i.	Primary Outer Spring	GBD-18-01	GBD-18-01
	ii.	Primary inner Spring	RSK-14-05	RSK-14-05
	iii.	Primary Damper	0148, 0104, 0213, 0260	0189, 0186, 0238, 0517
	iv.	Secondary Damper	3533, 3535	3534, 3472
	v.	Lateral Damper	210445	210412
	vi.	Break cylinder & Caliper	A5223-691,A4721-691, A5218-691,A4781-691	A5208-691,A4785-691, A5028-691,A4780-691
	vii.	Break Disc		KBI
	viii.	Contral arm top		RV
	ix.	Control arm bottom		RV
	x.	Top rubber Pad		AVADH
	xi.	Vertical Bump Stop		GMT
	xii.	Ball Joint Control arm		GMT
	xiii.	Lateral Bump stop		AVADH
	xiv.	Traction center make		RNG
	xv.	Traction lever make		JI
	xvi.	Ball joint traction lever		BONY
	xvii.	Traction center elastic		GMT
	xviii.	Secondary rubber pad		NIL
	xix.	Rubber spring		NIL
	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

LWFAC - 8009



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF

LHB 1ST AC END ON GENERATION AIR BRAKE

TYPE OF COACH : LWFAC **Shell No : 8009** **COACH_NO : 191113**

RAILWAY : CR **COUPLING TYPE : CBC** **DATE OF FITMENT: 23-FEB-19**

S.No PL No & Item Description	Drawing No	Make	Item Sr.No.(if any)
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Group Name	PP-SIDE		
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0	33501427-0, AXLE MOUNTED DISC BRAKE SYSTEM FOR ALSTOM-LHB DESIGN-AC & NAC COACHES	MDTS077 REV. 02	KNORR	011703215
2	33635080-2, PUMP CONTROLLER	EDTS186	KAPSON (KIND)	18080005
1	33635237-1, RMPU	SPECIFICATION NO. EDTS075	INTEC CORPORATION	18-G-1055
1	33635237-1, RMPU	SPECIFICATION NO. EDTS075	INTEC CORPORATION	18-G-1051
0	33640361-0, EMERGENCY BATTERY CHARGER	M/s Pyramid model no.PYRA/BCUR/415/ 50 Fully Bridge Diode Based with	BHASIN PACKARD ELECTRONICS PVT. LTD.	02180441
0	33640361-0, EMERGENCY BATTERY CHARGER	M/s Pyramid model no.PYRA/BCUR/415/ 50 Fully Bridge Diode Based with	BHASIN PACKARD ELECTRONICS PVT. LTD.	02180510
1	33641535-1, PA SYSTEM	EDTS-173,TYPE-IV	AHUJA BY PUNJAB RADIOS	NIL
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.	2018-07-059
2	33641936-2, DISCONNECTING & EARTHING DEVICE	EDTS-073, REV.-A	ESS ESS KAY ENGG. CO.	L&T

Group Name	NON-PP SIDE		
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2	33635237-2, MICRO PROCESSOR CONTROLLER	SPECIFICATION NO. EDTS075	INTEC CORPORATION	1701619
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Group Name	BOGIE PP SIDE		
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1	33635067-1, BOGIE 1	EDTS101 REV-"A"	DARSHAN ENTERPRISES	187377
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Group Name	BOGIE NPP SIDE		
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2	33635067-2, BOGIE 2	EDTS101 REV-"A"	DARSHAN ENTERPRISES	187376
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Group Name	UNDER FRAME		
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1	33635080-1, PUMP	EDTS186	KALSI METAL WORK PVT.LTD	293186/ 293187
0	33635183-0, 60 KVA TRANSFORMER	EDTS076	M/S VIMAL TRANSFORMER	VTC-3089-LHB-6966



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**ROLLING STOCK CERTIFICATE OF
LHB 1ST AC END ON GENERATION AIR BRAKE**

S.No	PL No & Item Description	Drawing No	Make	Item Sr.No.(if any)
Group Name UNDER FRAME				
1	33635330-1, HOT CASE	EDTS139	NOT PROVIDED	NIL
2	33635330-2, BOTTLE COOLER CUM DEEP FREEZER	EDTS139	NOT PROVIDED	NIL
0	33635493-0, 5KVA, 415/190V, 3PHASE DRY TYPE DISTRIBUTION TRANSFORMER	EDTS366, Ren-Nil	VIMAL TRANSFORMER (5KVA)	VTC-3089-LHB-674
0	33640178-0, BATTERY FUSE BOX -VE	LW71002 ALT"a"	INTEG	2017-11-180
0	33640786-0, BATTERY FUSE BOX +VE	LW71001 ALT"a"	ABROL ENGINEERING COMPANY (P)LTD.	2017-07-462
0	33641729-0, 70AH, 110V, VRLA LEAD ACID MAINTENANCE FREE BATTERY(9 NOSX12V)	RDSO/PE/SPEC/AC/09-2008, REV-1 WITH AM-1	AMARA RAJA BATTERIES LTD.	08/2018
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 ENGG.WORKS	NIL
Group Name COMPARTMENT				
2	33641535-2, SPEAKERS	EDTS-173, TYPE-IV	AHUJA BY PUNJAB RADIOS	NIL
1	35982925-1, CAPACITOR BANK FOR LHB EOG TYPE COACHES	EDML 130, TABLE-1	INTERNATIONAL SWITCHGEAR S PVT. LTD.	CB-RCF-18060195
Group Name UNDER FRAME PP SIDE				
0	33640154-0, HIGH CAPACITY INTERVEHICAL COUPLER (Z S COUPLING) 500A, 750V FOR LHB EOG AC COACHES WITHOUT POLYAMID	EDTS105, REV-E, AMDT-1	S-INTERNATIONAL	NIL
0	33640580-0, FEEDER JUNCTION BOX	EDTS328	LIGHT ENGG. CORP.	NIL
2	33641663-2, INDICATOR UNITS	EDTS 117	M/S V.S INSTRUMENTS	NIL
1	N3052489-1, GEYSER 35 LTRS (HAVELLS OR EQUIVALENT MAKE)	MONZA EC-H 35 LTR	VANYA INDUSTRIAL EQUIPMENTS	NIL
Group Name UNDER FRAME NPP SIDE				
0	33640154-0, HIGH CAPACITY INTERVEHICAL COUPLER (Z S COUPLING) 500A, 750V FOR LHB EOG AC COACHES WITHOUT POLYAMID	EDTS105, REV-E, AMDT-1	S-INTERNATIONAL	NIL
0	33640580-0, FEEDER JUNCTION BOX	EDTS328	LIGHT ENGG. CORP.	NIL



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S.No	PL No & Item Description	Drawing No	Item Sr.No.(if any)
Group Name UNDER FRAME NPP SIDE			
1	N3052488-1, WATER GEYSER ASSEMBLY (U/S 50LTRS WITH SS HOUSING)	LA72208	VANYA INDUSTRIAL EQUIPMENTS
SSE/EL/QC		AME/WM QC/DY CQM I	