



**RAIL COACH FACTORY, KAPURTHALA**  
**ROLLING STOCK CERTIFICATE (LHB)**

(FORM NO. QMF 9454 VER:1.00)

1.	SHELL NO	8012	BOGIE NO	187374	/ 187375	DISPATCH DATE	31-JAN-19
2.	RAILWAY	CR	TYPE OF COACH	LWFAC		COACH NO	191112
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, LWCBC, LWLRRM), 4366 (for LWSCZDAC)				
	iv)	CBC Height	Specified: 1105 +0/-15 mm	1102		1104	
	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 <sup>2</sup>	06 - 10 Sec			
			Max Pressure in BC	3.80±0.15 Kg/cm <sup>2</sup>			
			All Brake are applied	OK			
	7.2	Insensitivity	Exhaust BP @ 0.3 Kg/cm <sup>2</sup> /mi	No brake application			
	7.3	Sensitivity	Exhaust BP @ 0.1 Kg/cm <sup>2</sup> /Sec, After 02 Sec	Brake must apply			
8.	Painting Details:	Type of Paint	Make	Average Gloss Value			
	8.1	Paint	PU PAINT	VIBGYOR	88 / 87		
	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	AMIT, PD STEEL				
	3	FLOOR BOARD	TWPL				
	4	PVC	RESPONSIVE				
	5	UIC VESTIBULES	POLYMER				
	6	LAVATORY DOORS	HIND				
	7	WATER TANKS	AMIT, RAIL FAB				
	8	BODY SIDE DOOR	JBM, JVR				
	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**

<b>11.</b>	<b>Bogie Details:</b>	Shell No.	Railway	Type	Coach No.	Dispatch Date			
		8012	CR	LWFAC	191112	31-JAN-19			

  

<b>11.1 Wheel &amp; Axle Details:</b>									
i.	Bogie No.	187374				187375			
ii.	Frame No.	FIAT-CA-808				ECBT-30			
iii.	Bolster No.	PD-CA-1087				VT-CA-794			
iv.	Axle No.	Y - 7901		Z - 9747		Y - 7596		A - 7428	
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	917.00	917.00	916.00	916.00	916.00	916.00
vii.	Wheel Disc No.	29763-7SJ2-TZ	28503-8RG1-TZ	35476-8RH6-TZ	33478-8QP3-TZ	34002-8RG3-TZ	29765-7SJ5-TZ	29547-7RJ7-TZ	29567-7RJ7-TZ
viii.	RB Nos.	28297	24713	25524	25545	27163	28143	36508	27172
ix.	RB Make	SKF		SKF		SKF		SKF	
x.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING							

  

<b>11.2 Secondary suspension load deflection Values:</b>				
Description	Lateral Damper Side	Non-Lat. Damper Side	Lateral Damper Side	Non-Lat. Damper Side
i. Make & Nos.	AVADH-18-7-321	AVADH-18-7-343	AVADH-18-7-341	AVADH-18-7-254

  

**Items traceability:**

<b>11.3</b>	<b>Sno.</b>	<b>Item</b>	<b>Make</b>	
	i.	Primary Outer Spring	GBD-18-01	GBD
	ii.	Primary inner Spring	RSK-14-05	RSK
	iii.	Primary Damper	0117, 0190, 0036, 0242	ESCORTS
	iv.	Secondary Damper	3536, 2981	GABRIEL
	v.	Lateral Damper	209544	IAI
	vi.	Break cylinder & Caliper	A5632-691,A5199-691, A5616-691,A5311-691	KBI
	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 PRAG
	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

  

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

**LWFAC - 8012**



**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**  
**RAILWAY CR**

**Shell No : 8012**  
**COUPLING TYPE : CBC**

**COACH\_NO : 191112**  
**DATE OF FITMENT: 31-JAN-19**

S.No	PL No & Item Description	Drawing No	Make	Item Sr.No.(if any)
<b>Group Name PP-SIDE</b>				
0	33501427-0, AXLE MOUNTED DISC BRAKE SYSTEM FOR ALSTOM-LHB DESIGN-AC & NAC COACHES	MDTS077 REV. 02	KNORR	0118084642
2	33635080-2, PUMP CONTROLLER	EDTS186	KALSI METAL WORK PVT.LTD	CPA-6801
1	33635237-1, RMPU	SPECIFICATION NO. EDTS075	SIDWAL REFRIFERATION	19-M-2059
1	33635237-1, RMPU	SPECIFICATION NO. EDTS075	SIDWAL REFRIFERATION	18-M-2057
0	33640361-0, EMERGENCY BATTERY CHARGER	M/s Pyramid model no.PYRA/BCUR/415/ 50 Fully Bridge Diode Based with	ELECTOWAVES	WBBCJ-161579
0	33640361-0, EMERGENCY BATTERY CHARGER	M/s Pyramid model no.PYRA/BCUR/415/ 50 Fully Bridge Diode Based with	ELECTOWAVES	WBBCJ-162056
1	33641535-1, PA SYSTEM	EDTS-173,TYPE-IV	AHUJA BY PUNJAB RADIOS	4548716
1	33641663-1, ANNUNCIATOR UNIT	EDTS 117	M/S V.S INSTRUMENTS	NIL
1	33641936-1, SWITCH BOARD CABINET	EDTS-073, REV.-A	AMIT ENGINEERS	AE-SB-551
2	33641936-2, DISCONNECTING & EARTHING DEVICE	EDTS-073, REV.-A	AMIT ENGINEERS	L&T
<b>Group Name NON-PP SIDE</b>				
2	33635237-2, MICRO PROCESSOR CONTROLLER	SPECIFICATION NO. EDTS075	SIDWAL REFRIFERATIONSIDWAL REFRIFERATION	18071685
<b>Group Name BOGIE PP SIDE</b>				
1	33635067-1, BOGIE 1	EDTS101 REV-"A"	DARSHAN ENTERPRISES	187375
<b>Group Name BOGIE NPP SIDE</b>				
2	33635067-2, BOGIE 2	EDTS101 REV-"A"	DARSHAN ENTERPRISES	187374
<b>Group Name UNDER FRAME</b>				
1	33635080-1, PUMP	EDTS186	KALSI METAL WORK PVT.LTD	293196/ 293197
0	33635183-0, 60 KVA TRANSFORMER	EDTS076	M/S VIMAL TRANSFORMER	VTC-3089-LHB-7057
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-763



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**LHB 1ST AC END ON GENERATION AIR BRAKE**

**TYPE OF COACH : LWFAC**      **COUPLING TYPE : CBC**      **COACH\_NO : 191112**  
**RAILWAY CR**      **DATE OF FITMENT: 31-JAN-19**  
**S.No PL No & Item Description**      **Drawing No**      **Make**      **Item Sr.No.(if any)**

<b>Group Name UNDER FRAME</b>				
0	33640178-0, BATTERY FUSE BOX -VE	LW71002 ALT"a"	INTEG	2017-11-185
0	33640786-0, BATTERY FUSE BOX +VE	LW71001 ALT"a"	ABROL ENGINEERING COMPANY (P)LTD.	2017-07-353
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

<b>Group Name COMPARTMENT</b>				
2	33641535-2, SPEAKERS	EDTS-173,TYPE-IV	AHUJA BY PUNJAB RADIOS	NIL
1	35982925-1, CAPACITOR BANK FOR LHB EOG TYPE COACHES	EDML130,TABLE-1	NEC SWITCHGEARS & CONTROLS	2018/05/1060

<b>Group Name UNDER FRAME PP SIDE</b>				
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	NEERA ENTERPRISES	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

<b>Group Name UNDER FRAME NPP SIDE</b>				
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	SIDWAL REFRIGERATION INDUSTRIES PVT.LTD	NIL
1	N3052488-1, WATER GEYSER ASSEMBLY (U/S 50LTRS WITH SS HOUSING)	LA72208	VANYA INDUSTRIAL EQUIPMENTS	NIL

**SSE/EL/QC**

**AME/WM QC/DY CQM I**