



भारतीय रेलवे
RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

(FORM NO. QMF 9454 VER:1.00)

1.	SHELL NO	8003	BOGIE NO	186736	/ 186737	DISPATCH DATE	11-JUL-18
2.	RAILWAY	CR	TYPE OF COACH	LWCBAC	COACH NO		18801
3.	BOOKED TO	SSE/C&W/CSTM					
4.	Tare Weight of Coach	39 T					
5.	Carrying Capacity	Seating	15	Sleeping	15	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)	Buffer/CBC Height	Specified: 1105 +0/-15 mm		1102	1104	
	v)	Buffer/CBC (Make)			SANROK	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	Average Gloss Value	
	8.1	Paint	PU PAINT		NAROLACK	87 / 86	
	8.2	Application of PCN-123	SATISFACTORY				
	8.3	Insulation	SATISFACTORY				
9.	Traceability of Furnishing Items:						
	1	EP BRAK / BRAKE EQUIPMENT		FAVELLY			
	2	BIO-TOILET		OMAX			
	3	FLOOR BOARD		NARBADA			
	4	PVC		RESPONSIVE			
	5	UIC VESTIBULES		KRP			
	6	WATER TANKS		RAIL TECH, MANOJ, RAIL FAB			
	7	BODY SIDE DOOR		JVR			
	8	VESTIBULE SLIDING DOOR		KALSI			
	9	SEAT & BEARTH		AMIR CHAND			
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
		8003	CR	LWCBAC	18801	11-JUL-18

11.1 Wheel & Axle Details:									
i.	Bogie No.	186736				186737			
ii.	Frame No.	FIAT-CA-487				FIAT-CA-497			
iii.	Bolster No.	VT-CA-522				VT-CA-502			
iv.	Axle No.	F - 7494		F - 7559		F - 8311		B - 3535	
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.	01935-8MJ1-TZ	21809-7OP4-TZ	03660-8MP3-TZ	03656-8MP3-TZ	21946-7ON7-TZ	27054-7QJ6-TZ	26617-7PL1-TZ	21811-7PR1-TZ
viii.	RB Nos.	16639	16158	79015	16633	58897	82072	79023	82803
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.	TAYAL-046	TAYAL-026	TAYAL-089	TAYAL-20

Items traceability:				
Sno.	Item			Make
i.	Primary Outer Spring	RSK-17-9	RSK-17-9	RSK
ii.	Primary inner Spring	RSK-14-5	RSK-14-5	RSK
iii.	Primary Damper	179605, 179704, 179738, 179602	179716, 179594, 179624, 179706	IAI
iv.	Secondary Damper	1049, 1025	808, 026	SV
v.	Lateral Damper	137	213	GEREP
vi.	Break cylinder & Caliper	C18365-600,C18265-600, C18404-600,C18472-600	C18573-600,D18283-600, D18238-600,D18278-600	FTI
vii.	Break Disc			KBI
viii.	Contral arm top			KUMAR
ix.	Control arm bottom			RV
x.	Top rubber Pad			GMT
xi.	Vertical Bump Stop			PRAG
xii.	Ball Joint Control arm			GMT
xiii.	Lateral Bump stop			GMT
xiv.	Traction center make			EMSON
xv.	Traction lever make			SARITA
xvi.	Ball joint traction lever			BONY
xvii.	Traction center elastic			SB
xviii.	Secondary rubber pad			NIL
xix.	Rubber spring			NIL
xx.	Anti roll bar make			EMSON
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

LWCBAC - 8003



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

FOR ELECTRICAL ITEMS

**ROLLING STOCK CERTIFICATE OF
LHB PANTRY CAR**

TYPE OF COACH : LWCBAC
RAILWAY CR

Shell No : 8003
COUPLING TYPE : CBC

COACH_NO : 18801
DATE OF FITMENT: 04-JUL-18

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	SAB WABCO	05/18/240
1	33635237-1, RMPU	SPECIFICATION NO. EDTS075	LEEL	18040728
2	33635237-2, MICRO PROCESSOR CONTROLLER	SPECIFICATION NO. EDTS075	LEEL	18044107
0	33640361-0, EMERGENCY BATTERY CHARGER	M/s Pyramid model no.PYRA/BCUR/415/ 50 Fully Bridge Diode Based with	ELECTROWAVES	WEBCJ162192
0	33640361-0, EMERGENCY BATTERY CHARGER	M/s Pyramid model no.PYRA/BCUR/415/ 50 Fully Bridge Diode Based with	ELECTROWAVES	WEBCJ162171
1	33641006-1, PUBLIC ADDRESSING SYSTEM	EDTS173,TYPE-I	AHUJA BY PUNJAB RADIOS	4182315
1	33641936-1, SWITCH BOARD CABINET	EDTS-073, REV.-A	INTERNATIONAL SWITCHGEARS	SBC-HB-2018-03-0028
2	33641936-2, DISCONNECTING & EARTHING DEVICE	EDTS-073, REV.-A	L&T BY ISG	NIL
Group Name NON-PP SIDE				
1	33635237-1, RMPU	SPECIFICATION NO. EDTS075	LEEL	18040727
Group Name PANTRY				
1	33635213-1, HOT CASE	EDTS118	SPECTRUM SCIENTIFIC	SSERHB003
2	33635213-2, DEEP FREEZER	EDTS118	SPECTRUM SCIENTIFIC	SSERHB003
3	33635213-3, REFRIGERATOR 300 LTRS CAPACITY	EDTS118	SPECTRUM SCIENTIFIC	SSERHB003
4	33635213-4, GEYSER	EDTS118	SPECTRUM SCIENTIFIC	SSERHB003
5	33635213-5, CHIMNEY	EDTS118	SPECTRUM SCIENTIFIC	SSERHB003
6	33635213-6, HEATER SET	EDTS118	SPECTRUM SCIENTIFIC	SSERHB003
7	33635213-7, OWEN TESTING GRILL	EDTS118	SPECTRUM SCIENTIFIC	SSERHB003
8	33635213-8, WATER PURIFIER	EDTS118	SPECTRUM SCIENTIFIC	SSERHB003
9	33635213-9, FLYING INSECT KILLERS	EDTS118	SPECTRUM SCIENTIFIC	SSERHB003
Group Name BOGIE PP SIDE				
1	33635067-1, BOGIE 1	EDTS101 REV-"A"	S INTERNATIONAL	186619
Group Name BOGIE NPP SIDE				
2	33635067-2, BOGIE 2	EDTS101 REV-"A"	S INTERNATIONAL	186620
Group Name UNDER FRAME				



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**ROLLING STOCK CERTIFICATE OF
LHB PANTRY CAR**

TYPE OF COACH : LWCBAC COUPLING TYPE : CBC COACH_NO : 18801
RAILWAY CR DATE OF FITMENT: 04-JUL-18
S.No PL No & Item Description Drawing No Make Item Sr.No.(if any)

Group Name		UNDER FRAME		
0	33614477-0, 110V, 120AH, VRLA, SMF BATTERY SET WITH 19 MONO BLOCKS (6V MONO BLOCK EACH) PRECHARGED WITH INTER CE	RDSO/PE/Spec./AC/0009/2008 (Rev.1 WITH AM-1,RCF ANNEX.-A)	HBL	05/2017
1	33635080-1, PUMP	EDTS186	LEC WITH (KIND) PUMP SET	17070391 & 17070392
0	33635183-0, 60 KVA TRANSFORMER	EDTS076	VIMAL TRANSFORMERS	VTC-3089-LHB-5110 & 3880
0	33640178-0, BATTERY FUSE BOX -VE	LW71002 ALT"a"	INTEG ELECTRONICS	2018-05-376
0	33640786-0, BATTERY FUSE BOX +VE	LW71001 ALT"a"	NEC SITCHGEAS & CONTROLS	2017-07-1536
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'.	METAFIL	NIL
1	35982913-1, CAPACITOR BANK FOR LHB EOG POWER CAR COACHES	EDML130, TABLE-2	INTERNATIONAL SWITCHGEAR PVT LTD.	CB-RCF-18002-0030

Group Name		COMPARTMENT		
2	33641006-2, SPEAKERS	EDTS173, TYPE-I	AHUJA BY PUNJAB RADIOS	NIL

Group Name		UNDER FRAME PP SIDE		
0	33640592-0, FEEDER JUNCTION BOX FOR LHB EOG AC COACHES	EDML020 REV-A	MAA LAXMI INDUSTRIES	NIL
0	33641110-0, ZS COUPLING 500A, 750V, 3-PHASE 50HZ	EDTS105,, REV-E, AM1&2 WITH ANNEX. A	PRIME ELECTRICAL	NIL

Group Name		UNDER FRAME NPP SIDE		
0	33640592-0, FEEDER JUNCTION BOX FOR LHB EOG AC COACHES	EDML020 REV-A	MAA LAXMI INDUSTRIES	NIL
0	33641110-0, ZS COUPLING 500A, 750V, 3-PHASE 50HZ	EDTS105,, REV-E, AM1&2 WITH ANNEX. A	PRIME ELECTRICAL	NIL

SSE/EL/QC		AME/WM QC/DY CQM I		