



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

(FORM NO. QMF 9454 VER:1.00)

1.	SHELL NO	9030	BOGIE NO	197223 / 197224	DISPATCH DATE	14-NOV-19	
2.	RAILWAY	NR	TYPE OF COACH	LCBACK	COACH NO	196427	
3.	BOOKED TO	SSE/C&W/DLI					
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)	CBC Height	Specified: 1105 +0/-15 mm	1105	1104		
	v)	CBC (Make)		ESCORTS	ESCORTS		
	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		GS	88 / 88	
	8.2	Application of PCN-123	SATISFACTORY				
	8.3	Insulation	SATISFACTORY				
9.	Traceability of Furnishing Items:						
	1	FLOOR BOARD	TWPL				
	2	PVC	RESPONSIVE				
	3	UIC VESTIBULES	CEMCON				
	4	BODY SIDE DOOR	JVR				
	5	VESTIBULE SLIDING DOOR	HANSPAL				
	6	WATER TANKS	AMIT, SHIVALIK, RELIABLE THERMOCRAFT				
	7	COMPOSITE MODULAR TOILET	SHATABDI				
	8	LAVATORY DOORS	SHATABDI				
	9	SEAT & BEARTH	AAR KAY FOAM				
	10	BIO-TOILET	VICTORIA				
	11	EP BRAK / BRAKE EQUIPMENT	KBI				
10.	10.1	Modification/ Trial (If any): 1-SUP RESION SYSTEM SUPPLIED AND COMMISSIONED BY M/S INNOVATIVE RAIL MAINTENANCE PVT. LTD., FARIDABAD. 2-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. 3-VINYL WRAPPING SUPPLIED AND FITTED BY M/S TECHNO EXPERT, JALANDHAR.					
	10.2	Deviations (If any): NIL					



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

QMF 9829, VER:1.00

11.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date			
		9030	NR	LCBACX	196427	14-NOV-19			

11.1 Wheel & Axle Details:									
i.	Bogie No.	197223				197224			
ii.	Frame No.	ECBT-756				ECBT-826			
iii.	Bolster No.	NE-39				PD-CA-1829			
iv.	Axle No.	RWF - P7644		RWF - P7612		RWF - H9106		RWF - H6991	
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	917.20	917.20	916.90	916.90	917.00	917.00
vii.	Wheel Disc No.	B7486-691	B6573-691	B7527-691	B6543-691	53084-9QJ7-TZ	29299-8QN5-TZ	30323-8QL7-TZ	54757-9QH9-TZ
viii.	RB Nos.	07980	11074	07907	09514	10953	10666	09432	11007
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.	TAYAL-19-06-1509	TAYAL-19-06-1524	TAYAL-19-06-1562	TAYAL-19-06-1503

Items traceability:					
11.3	Sno.	Item			Make
	i.	Primary Outer Spring	GBD-18-12	GBD-18-12	GBD
	ii.	Primary inner Spring	RSK-16-03	RSK-16-03	RSK
	iii.	Primary Damper	1206, 1248, 0924, 1461	1579, 1107, 0812, 1200	SABOHEMA
	iv.	Secondary Damper	1648, 0828	1503, 829	GABRIEL
	v.	Lateral Damper	1642	2004	GABRIEL
	vi.	Break cylinder & Caliper	B7486-691,B6573-691, B7527-691,B5643-691	B7604-691,B6401-691, B7609-691,B6404-691	KBI
	vii.	Break Disc			KBI
	viii.	Contral arm top			HAPL
	ix.	Control arm bottom			HAPL
	x.	Top rubber Pad			AVADH
	xi.	Vertical Bump Stop			AVADH
	xii.	Ball Joint Control arm			AVADH
	xiii.	Lateral Bump stop			AVADH
	xiv.	Traction center make			SARITA
	xv.	Traction lever make			SARITA
	xvi.	Ball joint traction lever			AVADH
	xvii.	Traction center elastic			PRAG
	xviii.	Secondary rubber pad			NA
	xix.	Rubber spring			NA
	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

LCBACX - 9030



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

FOR ELECTRICAL ITEMS

**ROLLING STOCK CERTIFICATE OF
LHB BUFFET CAR AIR SPRING COACH**

TYPE OF COACH : LCBACX **Shell No :** 9030 **COACH_NO :** 196427

RAILWAY : NR **COUPLING TYPE :** CBC **DATE OF FITMENT:** 31-OCT-19

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	KNOOR-BREMSE INDIA PVT.LTD	0118316020
1	33635237-1, RMPU	SPECIFICATION NO. EDTS075	INTEC CORPORATION	19-F-1275
0	33640695-0, SWITCH BOARD CABINET FOR HOT BUFFET COACH	EDTS-134 REV-A	INTERNATIONAL SWITCHGEARS PVT. LTD.	L & T
0	33640695-0, SWITCH BOARD CABINET FOR HOT BUFFET COACH	EDTS-134 REV-A	INTERNATIONAL SWITCHGEARS PVT. LTD.	SBC-HB-19060055
1	33641006-1, PUBLIC ADDRESSING SYSTEM	EDTS173,TYPE-I	AHUJA BY PUNJAB RADIOS	3990479
0	33641419-0, REGULATED BATTERY CHARGER	EDTS109	HI-REL POWER ELECTRONICS PVT.LTD	HHPE-19082120
0	33641419-0, REGULATED BATTERY CHARGER	EDTS109	HI-REL POWER ELECTRONICS PVT.LTD	NIL

Group Name **NON-PP SIDE**

1	33635237-1, RMPU	SPECIFICATION NO. EDTS075	INTEC CORPORATION	19-F-1282
---	------------------	---------------------------	-------------------	-----------

Group Name **PANTRY**

1	33635213-1, HOT CASE	EDTS118	SPECTRUM SCIENTIFIC LTD	SSIS-HB-053
2	33635213-2, DEEP FREEZER	EDTS118	SPECTRUM SCIENTIFIC LTD	SSIS-HB-053
3	33635213-3, REFRIGERATOR 300 LTRS CAPACITY	EDTS118	SPECTRUM SCIENTIFIC LTD	SSIS-HB-053
4	33635213-4, GEYSER	EDTS118	SPECTRUM SCIENTIFIC LTD	SSIS-HB-053
5	33635213-5, CHIMNEY	EDTS118	SPECTRUM SCIENTIFIC LTD	SSIS-HB-053



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

FOR ELECTRICAL ITEMS

**ROLLING STOCK CERTIFICATE OF
LHB BUFFET CAR AIR SPRING COACH**

S.No	PL No & Item Description	Drawing No	Make	Item Sr.No.(if any)
Group Name PANTRY				
6	33635213-6, HEATER SET	EDTS118	SPECTRUM SCIENTIFIC LTD	SSIS-HB-053
7	33635213-7, OWEN TESTING GRILL	EDTS118	SPECTRUM SCIENTIFIC LTD	SSIS-HB-053
8	33635213-8, WATER PURIFIER	EDTS118	SPECTRUM SCIENTIFIC LTD	SSIS-HB-053
9	33635213-9, FLYING INSECT KILLERS	EDTS118	SPECTRUM SCIENTIFIC LTD	SSIS-HB-053
Group Name BOGIE PP SIDE				
1	33635067-1, BOGIE 1	EDTS101 REV-"A"	MAA LAXMI INDUSTRY	197224
Group Name BOGIE NPP SIDE				
2	33635067-2, BOGIE 2	EDTS101 REV-"A"	MAA LAXMI INDUSTRY	197223
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/009/2008 (Rev.1 WITH AM-1,RCF ANNEX.-A)	AMARA RAJA BATTERIES LTD.	01/2019
1	33635080-1, PUMP	EDTS186	KALSI METAL WORK PVT LTD.	300209/ 300210
2	33635080-2, PUMP CONTROLLER	EDTS186	KALSI METAL WORK PVT LTD.	CPA-7873/01-2019
0	33635183-0, 60 KVA TRANSFORMER	EDTS076	RAMYAA ELECTRO-GEAR PVT. LTD.	1907-60-0030
0	33635183-0, 60 KVA TRANSFORMER	EDTS076	RAMYAA ELECTRO-GEAR PVT. LTD.	1907-60-0034
0	33640178-0, BATTERY FUSE BOX -VE	LW71002 ALT"a"	INTEG ELECTRONICS	2019-02-014
0	33640786-0, BATTERY FUSE BOX +VE	LW71001 ALT"a"	INTERNATION ALS SWITCHGEAR PVT LTD	2019-02-030
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



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

FOR ELECTRICAL ITEMS			
ROLLING STOCK CERTIFICATE OF			
LHB BUFFET CAR AIR SPRING COACH			
S.No PL No & Item Description	Drawing No	Make	Item Sr.No.(if any)
Group Name UNDER FRAME			
1 35982913-1, CAPACITOR BANK FOR LHB EOG POWER CAR COACHES	EDML130, TABLE-2	NEC SWITCHGEAR S & CONTROLS	2019-04-7068
Group Name COMPARTMENT			
2 33641006-2, SPEAKERS	EDTS173, TYPE-I	AHUJA BY PUNJAB RADIOS	NIL
Group Name PP SIDE RIGHT HAND			
2 33635237-2, MICRO PROCESSOR CONTROLLER	SPECIFICATION NO. EDTS075	SIDWAL REFRIGERATION INDUSTRIES PVT. LTD	..
Group Name UNDER FRAME PP SIDE			
0 33640580-0, FEEDER JUNCTION BOX	EDTS328	INTERNATIONALS SWITCHGEAR PVT LTD	NIL
0 33641110-0, ZS COUPLING 500A, 750V, 3-PHASE 50HZ	EDTS105,, REV-E, AM1&2 WITH ANNEX. A	PRIME ELECTRONICS	NIL
Group Name UNDER FRAME NPP SIDE			
0 33640580-0, FEEDER JUNCTION BOX	EDTS328	INTERNATIONALS SWITCHGEAR PVT LTD	NIL
0 33641110-0, ZS COUPLING 500A, 750V, 3-PHASE 50HZ	EDTS105,, REV-E, AM1&2 WITH ANNEX. A	PRIME ELECTRONICS	NIL
SSE/EL/QC		AME/WM QC/DY CQM I	