



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

(FORM NO. QMF 9454 VER:1.00)

1.	SHELL NO	8016	BOGIE NO	186810	/ 186811	DISPATCH DATE	06-AUG-18
2.	RAILWAY	CR	TYPE OF COACH	LWSCZ	COACH NO		18644
3.	BOOKED TO	SSE/C&W/CSTM					
4.	Tare Weight of Coach	40.5 T					
5.	Carrying Capacity	Seating	102	Sleeping	NIL	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, LWCBCAC, LWLRRM), 4366 (for LWSCZDAC)			
	iv)	Buffer/CBC Height	Specified: 1105 +0/-15 mm		1102	1100	
	v)	Buffer/CBC (Make)			ESCORTS	ESCORTS	
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		VIBGYOR	88 / 89	
	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			
	3	FLOOR BOARD		TWPL, NARBADA			
	4	PVC		RESPONSIVE			
	5	UIC VESTIBULES		KRP			
	6	WATER TANKS		RAIL FAB			
	7	BODY SIDE DOOR		JVR			
	8	VESTIBULE SLIDING DOOR		KALSI			
	9	SEAT & BEARTH		ADVANCE			
	10	LP SHEET		PL			
10.	10.1	Modification/ Trial (If any): NIL					
	10.2	Deviations (If any): NIL					



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QMF 9827, VER:1.00

11.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			8016		CR		LWSCZ		18644		06-AUG-18	
11.1 Wheel & Axle Details:												
	i.	Bogie No.	186810				186811					
	ii.	Frame No.	ECBT-672				JBM-298					
	iii.	Bolster No.	P-7970				SHIVALIK-88					
	iv.	Axle No.	W - 8295		Z - 4580		D - 8581		F - 8038			
	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	917.00	917.00	918.00	918.00		
	vii.	Wheel Disc No.	16682-7ON9-TZ	16679-7ON9-TZ	02472-8MK4-TZ	02474-8MK4-TZ	00310-8MJ7-TZ	02668-8MM1-TZ	01473-8MK5-TZ	01472-8MK5-TZ		
	viii.	RB Nos.	17918	17350	27599	82141	18193	17182	26931	27915		
	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			
			Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner		
i.	Make & Nos.		GBD-17-6-266	FSK-18-5-185	GBD-17-7-265	FSK-18-5-189	GBD-17-7-257	FSK-18-5-187	GBD-17-7-254	FSK-18-5-81		
ii.	Ht. at test load		509.50	465.00	511.00	466.00	509.00	468.00	511.00	467.50		
iii.	Align. deviation		10.00	13.00	9.00	12.00	11.00	11.00	11.00	10.00		
Items traceability:												
11.3												
	Sno.	Item							Make			
	i.	Primary Outer Spring	FSK-17-5			FSK-17-5			FSK			
	ii.	Primary inner Spring	AFJ-18-1			AFJ-18-1			AFJ			
	iii.	Primary Damper	04220, 2597, 3968, 3061			04214, 04215, 3911, 3053			GABRIEL			
	iv.	Secondary Damper	786, 756			732, 943			SV			
	v.	Lateral Damper	167			029			SV			
	vi.	Break cylinder & Caliper	A1754-691,A1477-691, A1653-691,A1344-691			8615-691,A1473-691, 8652-691,A1333-691			KBI			
	vii.	Break Disc							KBI			
	viii.	Contral arm top							KUMAR			
	ix.	Control arm bottom							KUMAR			
	x.	Top rubber Pad							PRAG			
	xi.	Vertical Bump Stop							GMT			
	xii.	Ball Joint Control arm							MB			
	xiii.	Lateral Bump stop							GMT			
	xiv.	Traction center make							SARITA			
	xv.	Traction lever make							SARITA			
	xvi.	Ball joint traction lever							GMT			
	xvii.	Traction center elastic							SB			
	xviii.	Secondary rubber pad							BHAM			
	xix.	Rubber spring							AVADH			
	xx.	Anti roll bar make							SARITA			
	xxi.	Ball joint roll link							SARITA			
	xxii.	Fork make							ASL		SARITA	
11.4												
	i.	Modification/Trail(if any):	NIL									
	ii.	Deviations (if any):	Deviations (If any): NIL									

LWSCZ - 8016



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

FOR ELECTRICAL ITEMS

**ROLLING STOCK CERTIFICATE OF
LHB EOG TYPE NON-AC CHAIR CAR**

TYPE OF COACH : LWSCZ
RAILWAY CR

Shell No : 8016
COUPLING TYPE : CBC

COACH_NO : 18644
DATE OF FITMENT: 06-AUG-18

S.No	PL No & Item Description	Drawing No	Make	Item Sr.No.(if any)
Group Name BOGIE PP SIDE				
1	33635067-1, BOGIE 1	EDTS101 REV-"A"	M/S CHANDA & CHANDA	
Group Name BOGIE NPP SIDE				
2	33635067-2, BOGIE 2	EDTS101 REV-"A"	M/S CHANDA & CHANDA	
Group Name UNDER FRAME				
0	33501427-0, AXLE MOUNTED DISC BRAKE SYSTEM FOR ALSTOM-LHB DESIGN-AC & NAC COACHES	MDTS077 REV. 02	KNOOR - BREMSE INDIA PVT.LTD.	0118044397
0	33635250-0, 15 KVA TRANSFORMER 750VAC/415VAC/190 VAC FOR LHB EOG TYPE SCN COACHES	EDTS336,REV-0	VIMAL TRANSFORMER CORPN.	VTC-3089-LHB-283
0	33640117-0, REGULATED BATTERY CHARGER FOR LHB AC SLEEPER COACHES	EDTS074,Rev-A	AUTOMETER ALLAIANCE LTD.	061712494
0	33640178-0, BATTERY FUSE BOX -VE	LW71002 ALT"a"	INTEG ELECTRONICS	
0	33640580-0, FEEDER JUNCTION BOX	EDTS328	S INTERNATIONAL	
0	33640786-0, BATTERY FUSE BOX +VE	LW71001 ALT"a"	INDORAIL	
1	33642000-1, UNDERSLUNG SWITCH BOARD CABINET	EDTS355	HIND RECTIFIERS LIMITED	2017-00018-034
1	33642230-1, Z S COUPLING PP-SIDE	EDTS-105, REV-B	PRIME ELECT	
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	
0	45178288-0, 110V,120AH VRLA SMF BATTERY SET PRECHARGED WITH I/CELL & FRONT COVER	RDSO/PE/SPEC/D/TL /0009-99 REV"O" Amendment-1	AMARA RAJA BATTERIES LTD	
Group Name COMPARTMENT				
1	33635298-1, HOT CASE	EDTS339,REV-0	SPECTRUM SCIENTIFIC PVT LTD	SSDR-MP-026
2	33635298-2, BOOTLE COOLER CUM DEEP FREEZER	EDTS339,REV-0	SPECTRUM SCIENTIFIC PVT LTD	SPECTRUM
3	33635298-3, BOTTLE COOLER	EDTS339,REV-0	SPECTRUM SCIENTIFIC PVT LTD	SPECTRUM-MP-20
4	33635298-4, WATER BOILER	EDTS339,REV-0	SPECTRUM SCIENTIFIC PVT LTD	SPECTRUM
2	33642000-2, CUBICAL IN DOORWAY	EDTS355	HIND RECTIFIERS LIMITED	CUBICAL



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LHB EOG TYPE NON-AC CHAIR CAR

TYPE OF COACH : LWSCZ COUPLING TYPE : CBC COACH_NO : 18644
RAILWAY CR DATE OF FITMENT: 06-AUG-18
S.No PL No & Item Description Drawing No Make Item Sr.No.(if any)

Group Name		COMPARTMENT	
0	35983528-0, BRUSHLESS DC FAN 110V,DC 400MM SWEEP FIXED TYPE	RDSO/PE/SPEC/TL00 21 REV-0,DEC.2000 BUT WITH DIMENSIONS AND CONSTRUCTION TO RCF DRG.NO.CC76260	LIGHT ENGINEERING CORPORATION
0	45978257-0, ACCIDENT EMERGENCY LIGHT UNIT IN ROLLING STOCK	GA DRAWING NO CC76240 AND TECHNICAL DETAILS AS PER SPEC.NO EDTS162	DR AUTO INDUSTRIES
Group Name		UNDER FRAME NPP SIDE	
1	33642230-1, Z S COUPLING PP-SIDE	EDTS-105, REV-B	S INTERNATIONAL
SSE/EL/QC		AME/WM QC/DY CQM I	