



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

(FORM NO. QMF 4254 VER.06)

1.	SHELL NO	7037	BOGIE NO	177064	/ 177065	DISPATCH DATE	05-DEC-17
2.	RAILWAY	SWR	TYPE OF COACH	LWSCZ		COACH NO	17604
3.	BOOKED TO	SSE/C&W/SBC					
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, LWCBAC, LWLRRM), 4366 (for LWSCZDAC)		
	iv)	Buffer/CBC Height	Specified: 1105 +0/-15 mm		1090	1105	
	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/cm2		06 - 10 Sec		
			Max Pressure in BC		3.80±0.15 Kg/cm2		
			All Brake are applied		OK		
	7.2	Insensitivity	Exhaust BP @ 0.3 Kg/cm2/mi		No brake application		
	7.3	Sensitivity	Exhaust BP @ 0.1 Kg/cm2/Sec, After 02 Sec		Brake must apply		
8.	Painting Details:		Type of Paint		Make	Average Gloss Value	
	8.1	Paint	PU PAINT		VIBGYOR	87 / 85	
	8.2	Application of PCN-123	SATISFACTORY				
	8.3	Insulation	SATISFACTORY				
9.	Traceability of Furnishing Items:						
	1	BRAKE EQUIPMENT			KBI		
	2	BIO-TOILET			DARSHAN, RAIL FAB		
	3	FLOOR BOARD			OVPL		
	4	PVC			RESPONSIVE		
	5	UIC VESTIBULES			KRP		
	6	WATER TANKS			RAIL FAB		
	7	BODY SIDE DOOR			JVR		
	8	VESTIBULE SLIDING DOOR			HANSPAL		
	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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RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

11.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date		
			7037	SWR	LWSCZ	17604	05-DEC-17		
11.1 Wheel & Axle Details:									
i.	Bogie No.	177064				177065			
ii.	Frame No.	FIAT-6044				ECBT-277			
iii.	Bolster No.	AMIT-11-2017				AMIT-11-2017			
iv.	Axle No.	Z - 4403		Y - 7406		Y - 8140		Z - 4563	
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.	27508-7QL3	27674-7RH0	12850-7NP1	26595-7RG9	12318-7ON3	17096-7OK0	24152-7RJ1	13694-7QL1
viii.	RB Nos.	44931	81918	44930	44974	51935	51926	81929	34107
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.	FSK-17-9-15	GBD-17-7-49	FSK-17-9-22	GBD-17-7-58	GBD-17-9-11	GBD-17-7-56	FSK-17-9-65	GBD-17-7-131
ii.	Ht. at test load	511.00	468.00	511.00	468.00	511.00	466.00	511.00	468.00
iii.	Align. deviation	8.00	12.00	8.00	10.00	13.00	7.00	9.00	6.00
Items traceability:									
11.3	Sno.	Item					Make		
	i.	Primary Outer Spring		GBD-17-3		GBD-17-3		GBD	
	ii.	Primary inner Spring		GBD-17-6		GBD-17-6		GBD	
	iii.	Primary Damper		41062, 40493, 40425, 40751		41059, 41072, 40812, 41068		KONI	
	iv.	Secondary Damper		1414, 1416		942, 950		GABRIEL	
	v.	Lateral Damper		809		804		GABRIEL	
	vi.	Break cylinder & Caliper		8772,8627, 8773,8628		6320,6190, 6326,6106		KBI	
	vii.	Break Disc						FTI	
	viii.	Contral arm top						RV	
	ix.	Control arm bottom						RV	
	x.	Top rubber Pad						SGA	
	xi.	Vertical Bump Stop						GMT	
	xii.	Ball Joint Control arm						ASHIKA	
	xiii.	Lateral Bump stop						GMT	
	xiv.	Traction center make						EMSON	
	xv.	Traction lever make						SARITA	
	xvi.	Ball joint traction lever						ASHIKA	
	xvii.	Traction center elastic						SGA	
	xviii.	Secondary rubber pad						DUREL	
	xix.	Rubber spring						PRAG	
	xx.	Anti roll bar make						SARITA	
	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					

LWSCZ - 7037



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

(FORM NO. QMF 4254 VER.06)

1.	SHELL NO	7038	BOGIE NO	177101 / 177102	DISPATCH DATE	05-DEC-17	
2.	RAILWAY	SWR	TYPE OF COACH	LWSCZ	COACH NO	17605	
3.	BOOKED TO	SSE/C&W/SBC					
4.	Tare Weight of Coach	0 T					
5.	Carrying Capacity	Seating	NIL	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		1105	1105	
	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/cm2		06 - 10 Sec		
			Max Pressure in BC		3.80±0.15 Kg/cm2		
			All Brake are applied		OK		
	7.2	Insensitivity	Exhaust BP @ 0.3 Kg/cm2/mi		No brake application		
	7.3	Sensitivity	Exhaust BP @ 0.1 Kg/cm2/Sec, After 02 Sec		Brake must apply		
8.	Painting Details:		Type of Paint		Make	Average Gloss Value	
	8.1	Paint	PU PAINT		VIBGYOR	87 / 90	
	8.2	Application of PCN-123	SATISFACTORY				
	8.3	Insulation	SATISFACTORY				
9.	Traceability of Furnishing Items:						
	1	BRAKE EQUIPMENT			KBI		
	2	BIO-TOILET			DARSHAN, RAIL FAB		
	3	FLOOR BOARD			TWPL		
	4	PVC			RESPONSIVE		
	5	UIC VESTIBULES			KRP		
	6	WATER TANKS			RAIL FAB		
	7	BODY SIDE DOOR			JVR		
	8	VESTIBULE SLIDING DOOR			HANSPAL		
	9	SEAT & BEARTH			ADVANCE		
10.	10.1	Modification/ Trial (If any): NIL					
	10.2	Deviations (If any): NIL					



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

11.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			7038		SWR		LWSCZ		17605		05-DEC-17	

11.1 Wheel & Axle Details:										
i.	Bogie No.	177101				177102				
ii.	Frame No.	SCI-FM-1261				FIAT-5995				
iii.	Bolster No.	VT-7591				VT-7613				
iv.	Axle No.	Z - 4635		B - 9702		Z - 4541		A - 7278		
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	915.00	915.00	916.00	916.00	916.00	916.00	
vii.	Wheel Disc No.	32297-7SH8	32593-7SH8	21408-7OK8	21409-7PK8	30325-7TG6	31141-7RK1	32561-7SJ3	32563-7SH3	
viii.	RB Nos.	44920	44919	57743	82720	40250	98916	51033	40247	
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-17-7-245	FSK-17-6-199	GBD-17-7-256	FSK-17-6-260	GBD-17-5-167	GBD-17-7-28	GBD-17-5-168	GBD-17-7-24
ii.	Ht. at test load	512.00	465.50	512.00	463.00	512.00	468.00	512.00	467.00
iii.	Align. deviation	11.00	11.00	10.00	9.00	10.00	10.00	11.00	11.00

Items traceability:					
11.3	Sno.	Item	Make		
	i.	Primary Outer Spring	FSK-17-10		
	ii.	Primary inner Spring	GBD-17-6		
	iii.	Primary Damper	40457, 40505, 39262, 40644		
	iv.	Secondary Damper	1292, 1233		
	v.	Lateral Damper	1004		
	vi.	Break cylinder & Caliper	7326,7265, 7325,7264		
	vii.	Break Disc			
	viii.	Contral arm top			
	ix.	Control arm bottom			
	x.	Top rubber Pad			
	xi.	Vertical Bump Stop			
	xii.	Ball Joint Control arm			
	xiii.	Lateral Bump stop			
	xiv.	Traction center make			
	xv.	Traction lever make			
	xvi.	Ball joint traction lever			
	xvii.	Traction center elastic			
	xviii.	Secondary rubber pad			
	xix.	Rubber spring			
	xx.	Anti roll bar make			
	xxi.	Ball joint roll link			
	xxii.	Fork make			

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

LWSCZ - 7038



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RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

(FORM NO. QMF 4254 VER.06)

1.	SHELL NO	7044	BOGIE NO	177103 / 177104	DISPATCH DATE	08-DEC-17	
2.	RAILWAY	SWR	TYPE OF COACH	LWSCZ	COACH NO	17607	
3.	BOOKED TO	SSE/C&W/SBC					
4.	Tare Weight of Coach	0 T					
5.	Carrying Capacity	Seating	NIL	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, LWCBAC, LWLRRM), 4366 (for LWSCZDAC)		
	iv)	Buffer/CBC Height	Specified: 1105 +0/-15 mm		1104	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/cm2		06 - 10 Sec		
			Max Pressure in BC		3.80±0.15 Kg/cm2		
			All Brake are applied		OK		
	7.2	Insensitivity	Exhaust BP @ 0.3 Kg/cm2/mi		No brake application		
	7.3	Sensitivity	Exhaust BP @ 0.1 Kg/cm2/Sec, After 02 Sec		Brake must apply		
8.	Painting Details:		Type of Paint		Make	Average Gloss Value	
	8.1	Paint	PU PAINT		VIBGYOR	88 / 90	
	8.2	Application of PCN-123	SATISFACTORY				
	8.3	Insulation	SATISFACTORY				
9.	Traceability of Furnishing Items:						
	1	BRAKE EQUIPMENT			KBI		
	2	BIO-TOILET			DARSHAN, RAIL FAB		
	3	FLOOR BOARD			TWPL		
	4	PVC			RESPONSIVE		
	5	UIC VESTIBULES			KRP		
	6	WATER TANKS			RAIL FAB		
	7	BODY SIDE DOOR			JVR		
	8	VESTIBULE SLIDING DOOR			HANSPAL		
	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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RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

11.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			7044		SWR		LWSCZ		17607		08-DEC-17	
11.1 Wheel & Axle Details:												
i.	Bogie No.	177103						177104				
ii.	Frame No.	FIAT-5881						FIAT-6037				
iii.	Bolster No.	VT-7456						VT-7394				
iv.	Axle No.	Z - 4539			Z - 4917			C - 3655		Z - 3885		
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	916.00	916.00	
vii.	Wheel Disc No.	21183-7QK0	30527-7TG6	30327-7TG0	30581-7TG6	21002-7PR0	20999-7PR2	32590-7TH3	28793-7RK1			
viii.	RB Nos.	39475	39303	38607	43609	52615	52624	43345	40223			
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-17-5-157	GBD-17-7-110	GBD-17-5-180	GBD-17-7-13	GBD-17-5-56	GBD-17-7-31	GBD-17-5-102	GBD-17-7-62			
ii.	Ht. at test load	511.00	465.00	510.00	468.00	509.00	464.00	511.00	465.00			
iii.	Align. deviation	10.00	6.00	11.00	6.00	10.00	10.00	10.00	11.00			
Items traceability:												
11.3		Sno. Item								Make		
i.	Primary Outer Spring	FSK-17-10				FSK-17-10				FSK		
ii.	Primary inner Spring	GBD-17-6				GBD-17-6				GBD		
iii.	Primary Damper	38769, 38463, 39253, 38160				38519, 40531, 40470, 38938				KONI		
iv.	Secondary Damper	1301, 1300				1245, 1170				GABRIEL		
v.	Lateral Damper	1025				966				GABRIEL		
vi.	Break cylinder & Caliper	8896,8529, 8895,8526				6521,6511, 6522,6512				KBI		
vii.	Break Disc									KBI		FTI
viii.	Contral arm top									KUMAR		
ix.	Control arm bottom									RV		
x.	Top rubber Pad									SGA		
xi.	Vertical Bump Stop									GMT		
xii.	Ball Joint Control arm									ASHIKA		
xiii.	Lateral Bump stop									GMT		
xiv.	Traction center make									EMSON		
xv.	Traction lever make									SARITA		
xvi.	Ball joint traction lever									ASHIKA		GMT
xvii.	Traction center elastic									ASHIKA		
xviii.	Secondary rubber pad									DUREL		
xix.	Rubber spring									AVADH		
xx.	Anti roll bar make									SARITA		
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						

LWSCZ - 7044



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RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

(FORM NO. QMF 4254 VER.06)

1.	SHELL NO	7042	BOGIE NO	177108	/ 177109	DISPATCH DATE	09-DEC-17
2.	RAILWAY	SWR	TYPE OF COACH	LWSCZ		COACH NO	17606
3.	BOOKED TO	SSE/C&W/SBC					
4.	Tare Weight of Coach	0 T					
5.	Carrying Capacity	Seating	NIL	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, LWCBC, LWLRRM), 4366 (for LWSCZDAC)		
	iv)	Buffer/CBC Height	Specified: 1105 +0/-15 mm		1105	1105	
	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		VIBGYOR	87 / 87	
	8.2	Application of PCN-123	SATISFACTORY				
	8.3	Insulation	SATISFACTORY				
9.	Traceability of Furnishing Items:						
	1	BRAKE EQUIPMENT			KBI		
	2	BIO-TOILET			RASANDIK, DARSHAN		
	3	FLOOR BOARD			OVPL		
	4	PVC			RESPONSIVE		
	5	UIC VESTIBULES			KRP		
	6	WATER TANKS			RAIL FAB		
	7	BODY SIDE DOOR			JVR		
	8	VESTIBULE SLIDING DOOR			HANSPAL		
	9	SEAT & BEARTH			ADVANCE		
10.	10.1	Modification/ Trial (If any): NIL					
	10.2	Deviations (If any): NIL					



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RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

11.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			7042		SWR		LWSCZ		17606		09-DEC-17	
11.1 Wheel & Axle Details:												
i.	Bogie No.	177108						177109				
ii.	Frame No.	SCI-FM-1256						SCI-FM-1255				
iii.	Bolster No.	VT-7485						VT-7590				
iv.	Axle No.	A - 7654			Y - 7699			Y - 7280			Z - 9765	
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	916.00	916.00	
vii.	Wheel Disc No.	32298-7SH8	32300-7SH8	32592-7TH3	28789-7RK2	29300-7SH3	32287-7QJ0	32301-7SJ0	28794-7RK1			
viii.	RB Nos.	43260	38700	51969	43254	39843	51954	43359	38670			
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-17-6-36	GBD-17-7-12	GBD-17-6-98	GBD-17-7-149	GBD-17-7-37	GBD-17-6-14	GBD-17-7-19	GBD-17-6-221			
ii.	Ht. at test load	510.00	466.00	511.00	468.00	512.00	467.00	512.00	466.00			
iii.	Align. deviation	10.00	7.00	11.00	7.00	10.00	10.00	11.00	10.00			
Items traceability:												
11.3		Sno. Item								Make		
i.	Primary Outer Spring	FSK-17-3				FSK-17-3				FSK		
ii.	Primary inner Spring	GBD-17-6				GBD-17-6				GBD		
iii.	Primary Damper	38827, 38711, 38858, 38552				38646, 38602, 38763, 38620				KONI		
iv.	Secondary Damper	1154, 1240				1303, 1231				GABRIEL		
v.	Lateral Damper	1047				1021				GABRIEL		
vi.	Break cylinder & Caliper	7249,7168, 7248,7141				7250,7169, 7362,7162				KBI		
vii.	Break Disc									FTI		
viii.	Contral arm top									KUMAR		
ix.	Control arm bottom									RV		
x.	Top rubber Pad									SGA		
xi.	Vertical Bump Stop									GMT		
xii.	Ball Joint Control arm									ASHIKA		
xiii.	Lateral Bump stop									GMT		
xiv.	Traction center make									EMSON		SARITA
xv.	Traction lever make									SARITA		
xvi.	Ball joint traction lever									ASHIKA		
xvii.	Traction center elastic									ASHIKA		
xviii.	Secondary rubber pad									DUREL		
xix.	Rubber spring									AVADH		
xx.	Anti roll bar make									SARITA		
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						

LWSCZ - 7042



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

(FORM NO. QMF 4254 VER.06)

1.	SHELL NO	7039	BOGIE NO	177099	/ 177100	DISPATCH DATE	13-DEC-17
2.	RAILWAY	SWR	TYPE OF COACH	LWSCZ		COACH NO	17608
3.	BOOKED TO	SSE/C&W/SBC					
4.	Tare Weight of Coach	0 T					
5.	Carrying Capacity	Seating	NIL	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, LWCBAC, LWLRRM), 4366 (for LWSCZDAC)		
	iv)	Buffer/CBC Height	Specified: 1105 +0/-15 mm		1105	1105	
	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/cm2		06 - 10 Sec		
			Max Pressure in BC		3.80±0.15 Kg/cm2		
			All Brake are applied		OK		
	7.2	Insensitivity	Exhaust BP @ 0.3 Kg/cm2/mi		No brake application		
	7.3	Sensitivity	Exhaust BP @ 0.1 Kg/cm2/Sec, After 02 Sec		Brake must apply		
8.	Painting Details:		Type of Paint		Make	Average Gloss Value	
	8.1	Paint	PU PAINT		VIBGYOR	90 / 89	
	8.2	Application of PCN-123	SATISFACTORY				
	8.3	Insulation	SATISFACTORY				
9.	Traceability of Furnishing Items:						
	1	BRAKE EQUIPMENT			KBI		
	2	BIO-TOILET			DARSHAN, RAIL FAB		
	3	FLOOR BOARD			OVPL		
	4	PVC			RESPONSIVE		
	5	UIC VESTIBULES			KRP		
	6	WATER TANKS			RAIL FAB		
	7	BODY SIDE DOOR			JVR		
	8	VESTIBULE SLIDING DOOR			HANSPAL		
	9	SEAT & BEARTH			ADVANCE		
	10	LP SHEET			PL		
10.	10.1	Modification/ Trial (If any): NIL					
	10.2	Deviations (If any): NIL					



आवृत्ति पत्र

RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

11.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			7039		SWR		LWSCZ		17608		13-DEC-17	
11.1 Wheel & Axle Details:												
i.	Bogie No.	177099						177100				
ii.	Frame No.	FIAT-5996						FIAT-6075				
iii.	Bolster No.	VT-7608						VT-7583				
iv.	Axle No.	Y- 7373			Y- 8627			B- 8604		Y- 1572		
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	916.00	916.50	916.00	916.00	916.50	916.50			
vii.	Wheel Disc No.	28201-7SG9	08164-7OJ5	19361-7OK8	11686-7OK9	31576-7SG7	31512-7SG7	22353-7PK8	22369-7PK8			
viii.	RB Nos.	44959	43343	45129	58644	58360	34979	57927	43523			
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-17-6-181	FSK-17-6-92	GBD-17-6-160	FSK-17-6-122	GBD-17-7-239	FSK-17-6-26	GBD-17-7-243	FSK-17-6-188			
ii.	Ht. at test load	512.00	466.00	512.00	467.00	510.00	464.00	510.00	465.50			
iii.	Align. deviation	10.00	8.00	10.00	10.00	12.00	10.00	10.00	9.00			
Items traceability:												
11.3		Sno. Item								Make		
i.	Primary Outer Spring	FSK-17-10				FSK-17-10				FSK		
ii.	Primary inner Spring	GBD-17-6				GBD-17-6				GBD		
iii.	Primary Damper	38735, 38572, 40595, 40612				39132, 38209, 39259, 39135				KONI		
iv.	Secondary Damper	1243, 1229				1151, 1230				GABRIEL		
v.	Lateral Damper	1018				1045				GABRIEL		
vi.	Break cylinder & Caliper	8837,8566, 8822,8568				8878,8530, 8895,8527				KBI		
vii.	Break Disc									KBI		
viii.	Contral arm top									RV		
ix.	Control arm bottom									RV		
x.	Top rubber Pad									SGA		
xi.	Vertical Bump Stop									GMT		
xii.	Ball Joint Control arm									ASHIKA		
xiii.	Lateral Bump stop									GMT		
xiv.	Traction center make									EMSON		
xv.	Traction lever make									SARITA		
xvi.	Ball joint traction lever									ASHIKA		
xvii.	Traction center elastic									GMT		
xviii.	Secondary rubber pad									DUREL		
xix.	Rubber spring									AVADH		
xx.	Anti roll bar make									SARITA		
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						

LWSCZ - 7039



आर्य समाज पत्रिका

RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

(FORM NO. QMF 4254 VER.06)

1.	SHELL NO	7043	BOGIE NO	177135	/ 177136	DISPATCH DATE	18-DEC-17
2.	RAILWAY	SWR	TYPE OF COACH	LWSCZ	COACH NO	17609	
3.	BOOKED TO	SSE/C&W/FBC					
4.	Tare Weight of Coach	0 T					
5.	Carrying Capacity	Seating	NIL	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, LWCBAC, LWLRRM), 4366 (for LWSCZDAC)			
	iv)	Buffer/CBC Height	Specified: 1105 +0/-15 mm		1104	1105	
	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/cm2		06 - 10 Sec		
			Max Pressure in BC		3.80±0.15 Kg/cm2		
			All Brake are applied		OK		
	7.2	Insensitivity	Exhaust BP @ 0.3 Kg/cm2/mi		No brake application		
	7.3	Sensitivity	Exhaust BP @ 0.1 Kg/cm2/Sec, After 02 Sec		Brake must apply		
8.	Painting Details:	Type of Paint		Make	Average Gloss Value		
	8.1	Paint	PU PAINT		VIBGYOR	89 / 88	
	8.2	Application of PCN-123	SATISFACTORY				
	8.3	Insulation	SATISFACTORY				
9.	Traceability of Furnishing Items:						
	1	BRAKE EQUIPMENT		KBI			
	2	BIO-TOILET		DARSHAN, RAIL FAB, DARSHAN			
	3	FLOOR BOARD		OVPL			
	4	PVC		RESPONSIVE			
	5	UIC VESTIBULES		KRP			
	6	WATER TANKS		RAIL FAB			
	7	BODY SIDE DOOR		JVR			
	8	VESTIBULE SLIDING DOOR		HANSPAL			
	9	SEAT & BEARTH		ADVANCE			
	10	LUGGAGE RACK		RAIL TECH			
10.	10.1	Modification/ Trial (If any): NIL					
	10.2	Deviations (If any): NIL					



भारतीय रेलवे

RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

11.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			7043		SWR		LWSCZ		17609		18-DEC-17	
11.1	Wheel & Axle Details:											
i.	Bogie No.	177135					177136					
ii.	Frame No.	SCI-FM-1023					ECBT-262					
iii.	Bolster No.	VT-7630					VT-7626					
iv.	Axle No.	B- 9792			A- 7511			Y- 8599			R - 3176	
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	916.00	916.00	
vii.	Wheel Disc No.	16542-70J9	19024-70N6	19157-7PL2	02934-7NM6	24993-7RJ4	24991-7RJ4	33095-7SH0	24992-7RJ4			
viii.	RB Nos.	81382	16309	45146	77143	39421	39316	43352	45162			
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	Outer	Inner	
i.	Make & Nos.	FSK-17-5-67	FSK-17-7-88	FSK-17-5-80	FSK-17-7-134	FSK-17-5-70	FSK-17-7-126	FSK-17-5-41	FSK-17-7-28			
ii.	Ht. at test load	509.00	463.00	507.00	467.00	512.00	469.00	511.00	467.00			
iii.	Align. deviation	10.00	9.00	12.00	10.00	11.00	7.00	13.00	9.00			
Items traceability:												
11.3	Sno.	Item							Make			
i.	Primary Outer Spring	FSK-17-03			FSK-17-03			FSK				
ii.	Primary inner Spring	GBD-17-05			GBD-17-05			GBD				
iii.	Primary Damper	5636, 5600, 5663, 5666			5628, 5657, 5598, 5634			GABRIEL				
iv.	Secondary Damper	1448, 1419			1451, 1428			GABRIEL				
v.	Lateral Damper	979			1038			GABRIEL				
vi.	Break cylinder & Caliper	8719,8411, 8720,8409			6638,6591, 6641,6590			KBI				
vii.	Break Disc							FTI				
viii.	Contral arm top							KUMAR				
ix.	Control arm bottom							RV				
x.	Top rubber Pad							SGA				
xi.	Vertical Bump Stop							GMT				
xii.	Ball Joint Control arm							ASHIKA				
xiii.	Lateral Bump stop							GMT				
xiv.	Traction center make							EMSON				
xv.	Traction lever make							SARITA				
xvi.	Ball joint traction lever							AVADH		GMT		
xvii.	Traction center elastic							ASHIKA				
xviii.	Secondary rubber pad							DUREL				
xix.	Rubber spring							PRAG				
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								

LWSCZ - 7043



आर्य समाज पत्रिका

RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

(FORM NO. QMF 4254 VER.06)

1.	SHELL NO	7045	BOGIE NO	177118	/ 177119	DISPATCH DATE	19-DEC-17
2.	RAILWAY	SWR	TYPE OF COACH	LWSCZ	COACH NO	17610	
3.	BOOKED TO	SSE/C&W/FBC					
4.	Tare Weight of Coach	0 T					
5.	Carrying Capacity	Seating	NIL	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, LWCBC, LWLRRM), 4366 (for LWSCZDAC)			
	iv)	Buffer/CBC Height	Specified: 1105 +0/-15 mm		1105	1105	
	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/cm2		06 - 10 Sec		
			Max Pressure in BC		3.80±0.15 Kg/cm2		
			All Brake are applied		OK		
	7.2	Insensitivity	Exhaust BP @ 0.3 Kg/cm2/mi		No brake application		
	7.3	Sensitivity	Exhaust BP @ 0.1 Kg/cm2/Sec, After 02 Sec		Brake must apply		
8.	Painting Details:		Type of Paint		Make	Average Gloss Value	
	8.1	Paint	PU PAINT		VIBGYOR	87 / 86	
	8.2	Application of PCN-123	SATISFACTORY				
	8.3	Insulation	SATISFACTORY				
9.	Traceability of Furnishing Items:						
	1	BRAKE EQUIPMENT			KBI		
	2	BIO-TOILET			DARSHAN, RAIL FAB, DARSHAN		
	3	FLOOR BOARD			OVPL		
	4	PVC			RESPONSIVE		
	5	UIC VESTIBULES			KRP		
	6	WATER TANKS			RAIL FAB		
	7	BODY SIDE DOOR			JVR		
	8	VESTIBULE SLIDING DOOR			HANSPAL		
	9	SEAT & BEARTH			ADVANCE		
	10	LUGGAGE RACK			RAIL TECH		
10.	10.1	Modification/ Trial (If any): NIL					
	10.2	Deviations (If any): NIL					



भारतीय रेलवे

RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

11.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date		
			7045	SWR	LWSCZ	17610	19-DEC-17		
11.1 Wheel & Axle Details:									
i.	Bogie No.	177118				177119			
ii.	Frame No.	ECBT-257				FIAT-5816			
iii.	Bolster No.	VT-7595				VT-7619			
iv.	Axle No.	B-8306		A-8156		W-3625		B-3599	
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.	27421-7RG9	24021-7PH5	13969-7OP2	13968-7OP2	21306-7QK5	24000-7RH5	21291-7QJ3	16564-7OK4
viii.	RB Nos.	45139	57733	57737	57916	82480	58260	45222	43515
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-17-6-155	GBD-17-7-118	GBD-17-6-166	GBD-17-7-48	GBD-17-6-7	GBD-17-7-23	GBD-17-6-6	GBD-17-7-05
ii.	Ht. at test load	511.00	467.00	512.00	468.00	511.00	468.00	509.00	468.00
iii.	Align. deviation	10.00	12.00	9.00	11.00	11.00	6.00	10.00	6.00
Items traceability:									
11.3	Sno.	Item					Make		
	i.	Primary Outer Spring		FSK-17-8		FSK-17-8		FSK	
	ii.	Primary inner Spring		GBD-17-6		GBD-17-6		GBD	
	iii.	Primary Damper		38538, 38812, 38816, 38785		5055, 5144, 5271, 432		KONI	GABRIEL
	iv.	Secondary Damper		1120, 1242		1131, 1123		GABRIEL	
	v.	Lateral Damper		953		983		GABRIEL	
	vi.	Break cylinder & Caliper		7400,7074, 7548,7304		7569,7424, 7509,7300		KBI	
	vii.	Break Disc						FTI	
	viii.	Contral arm top						KUMAR	
	ix.	Control arm bottom						RV	
	x.	Top rubber Pad						SGA	
	xi.	Vertical Bump Stop						GMT	
	xii.	Ball Joint Control arm						ASHIKA	
	xiii.	Lateral Bump stop						GMT	
	xiv.	Traction center make						EMSON	
	xv.	Traction lever make						SARITA	
	xvi.	Ball joint traction lever						GMT	
	xvii.	Traction center elastic						ASHIKA	
	xviii.	Secondary rubber pad						DUREL	
	xix.	Rubber spring						AVADH	
	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					

LWSCZ - 7045



आर्य समाज पत्रिका

RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

(FORM NO. QMF 4254 VER.06)

1.	SHELL NO	7047	BOGIE NO	176790	/ 176791	DISPATCH DATE	21-DEC-17
2.	RAILWAY	SWR	TYPE OF COACH	LWSCZ	COACH NO	17611	
3.	BOOKED TO	SSE/C&W/SBC					
4.	Tare Weight of Coach	0 T					
5.	Carrying Capacity	Seating	NIL	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, LWCBAC, LWLRRM), 4366 (for LWSCZDAC)			
	iv)	Buffer/CBC Height	Specified: 1105 +0/-15 mm		1100	1100	
	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/cm2		06 - 10 Sec		
			Max Pressure in BC		3.80±0.15 Kg/cm2		
			All Brake are applied		OK		
	7.2	Insensitivity	Exhaust BP @ 0.3 Kg/cm2/mi		No brake application		
	7.3	Sensitivity	Exhaust BP @ 0.1 Kg/cm2/Sec, After 02 Sec		Brake must apply		
8.	Painting Details:		Type of Paint		Make	Average Gloss Value	
	8.1	Paint	PU PAINT		VIBGYOR	90 / 91	
	8.2	Application of PCN-123	SATISFACTORY				
	8.3	Insulation	SATISFACTORY				
9.	Traceability of Furnishing Items:						
	1	BRAKE EQUIPMENT		FAVELLY			
	2	BIO-TOILET		DARSHAN, DARSHAN, DARSHAN			
	3	FLOOR BOARD		OVPL			
	4	PVC		RESPONSIVE			
	5	UIC VESTIBULES		KRP			
	6	WATER TANKS		RAIL FAB, RAIL FAB, RAIL FAB, RAIL FAB			
	7	BODY SIDE DOOR		JVR			
	8	VESTIBULE SLIDING DOOR		HANSPAL			
	9	SEAT & BEARTH		ADVANCE			
	10	LUGGAGE RACK		RAIL TECH			
10.	10.1	Modification/ Trial (If any): NIL					
	10.2	Deviations (If any): NIL					



निम्नलिखित जानकारी के लिए

RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

11.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date		
			7047	SWR	LWSCZ	17611	21-DEC-17		
11.1 Wheel & Axle Details:									
i.	Bogie No.	176790				176791			
ii.	Frame No.	ECBT-213				SCI-FM-1056			
iii.	Bolster No.	VT-7244				VT-7297			
iv.	Axle No.	Y-7801		R-3280		R-2849		W-3333	
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	916.50	916.50	916.00	915.50	916.00	916.00
vii.	Wheel Disc No.	01020-7NLO	11408-7OP0	04721-6QG3	07429-6QK2	00081-6193	00070-6066	00169-7274	00058-6066
viii.	RB Nos.	03792	03789	03975	03282	02925	04814	02991	04614
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	
		Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner
i.	Make & Nos.	GBD-17-6-152	GBD-17-5-119	GBD-17-6-156	GBD-17-5-252	GBD-17-7-146	GBD-17-5-155	GBD-17-7-150	GBD-17-5-137
ii.	Ht. at test load	512.00	467.00	512.00	467.00	512.00	467.00	511.00	466.00
iii.	Align. deviation	12.00	11.00	11.00	11.00	10.00	7.00	10.00	7.00
Items traceability:									
11.3	Sno.	Item					Make		
	i.	Primary Outer Spring		FSK-17-07		FSK-17-07		FSK	
	ii.	Primary inner Spring		RSK-14-05		RSK-14-05		RSK	
	iii.	Primary Damper		4765, 4767, 4755, 4929		4948, 4943, 4978, 4858		GABRIEL	
	iv.	Secondary Damper		494, 499		456, 577		GABRIEL	
	v.	Lateral Damper		537		552		GABRIEL	
	vi.	Break cylinder & Caliper		E17331,E17176, E17332,D17145		B17069,B17166, B17065,B17163		FTI	
	vii.	Break Disc						FTI	
	viii.	Contral arm top						KUMAR	
	ix.	Control arm bottom						KUMAR	
	x.	Top rubber Pad						SGA	
	xi.	Vertical Bump Stop						GMT	
	xii.	Ball Joint Control arm						GMT	
	xiii.	Lateral Bump stop						GMT	
	xiv.	Traction center make						SARITA	
	xv.	Traction lever make						SARITA	
	xvi.	Ball joint traction lever						PRAG	
	xvii.	Traction center elastic						PRAG	
	xviii.	Secondary rubber pad						PRAG	
	xix.	Rubber spring						GMT	
	xx.	Anti roll bar make						SARITA	
	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					

LWSCZ - 7047



आर्य समाज पत्रिका

RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

(FORM NO. QMF 4254 VER.06)

1.	SHELL NO	7048	BOGIE NO	177164	/ 177165	DISPATCH DATE	29-DEC-17
2.	RAILWAY	SWR	TYPE OF COACH	LWSCZ		COACH NO	17613
3.	BOOKED TO	SSE/C&W/SBC					
4.	Tare Weight of Coach	0 T					
5.	Carrying Capacity	Seating	NIL	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, LWCBC, LWLRRM), 4366 (for LWSCZDAC)			
	iv)	Buffer/CBC Height	Specified: 1105 +0/-15 mm		1105	1105	
	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/cm2		06 - 10 Sec		
			Max Pressure in BC		3.80±0.15 Kg/cm2		
			All Brake are applied		OK		
	7.2	Insensitivity	Exhaust BP @ 0.3 Kg/cm2/mi		No brake application		
	7.3	Sensitivity	Exhaust BP @ 0.1 Kg/cm2/Sec, After 02 Sec		Brake must apply		
8.	Painting Details:		Type of Paint		Make	Average Gloss Value	
	8.1	Paint	PU PAINT		VIBGYOR	85 / 87	
	8.2	Application of PCN-123	SATISFACTORY				
	8.3	Insulation	SATISFACTORY				
9.	Traceability of Furnishing Items:						
	1	BRAKE EQUIPMENT			KBI		
	2	BIO-TOILET			JSL, JSL, JSL		
	3	FLOOR BOARD			OVPL		
	4	PVC			RESPONSIVE		
	5	UIC VESTIBULES			KRP		
	6	WATER TANKS			RAIL FAB, RAIL FAB, RAIL FAB, RAIL FAB		
	7	BODY SIDE DOOR			JVR		
	8	VESTIBULE SLIDING DOOR			HANSPAL		
	9	SEAT & BEARTH			SUKATA		
	10	LUGGAGE RACK			RAIL TECH		
10.	10.1	Modification/ Trial (If any): NIL					
	10.2	Deviations (If any): NIL					



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RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

11.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			7048		SWR		LWSCZ		17613		29-DEC-17	
11.1 Wheel & Axle Details:												
i.	Bogie No.	177164						177165				
ii.	Frame No.	FIAT-6108						FIAT-5820				
iii.	Bolster No.	VT-7641						VT-7561				
iv.	Axle No.	Z - 9595			A - 7154			Z - 4127		R - 2677		
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	917.00	916.50			
vii.	Wheel Disc No.	03466-7NL0	03471-7NL9	03734-7NN5	10093-7NL8	00917-7OJ0	00914-7OJ0	03350-7ON5	01186-6QJ2			
viii.	RB Nos.	77081	15917	16165	81217	81497	76611	16341	81077			
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-17-6-173	FSK-17-10-225	GBD-17-6-169	FSK-17-10-71	GBD-17-7-174	FSK-17-10-140	GBD-17-7-145	FSK-17-10-287			
ii.	Ht. at test load	512.00	466.00	512.00	467.50	512.00	467.00	510.00	466.50			
iii.	Align. deviation	11.00	12.00	11.00	12.00	12.00	8.00	10.00	7.00			
Items traceability:												
11.3	Sno.	Item							Make			
	i.	Primary Outer Spring		GBD-17-06			GBD-17-06		GBD			
	ii.	Primary inner Spring		GBD-17-06			GBD-17-06		GBD			
	iii.	Primary Damper		5482, 5460, 5683, 5433			5612, 5435, 5424, 5610		GABRIEL			
	iv.	Secondary Damper		1606, 1464			1617, 1671		GABRIEL			
	v.	Lateral Damper		545			137		GABRIEL			
	vi.	Break cylinder & Caliper		6753,6610, 6750,6609			8194,8062, 8195,8038		KBI			
	vii.	Break Disc							KBI		FTI	
	viii.	Contral arm top							KUMAR			
	ix.	Control arm bottom							KUMAR			
	x.	Top rubber Pad							SGA			
	xi.	Vertical Bump Stop							GMT			
	xii.	Ball Joint Control arm							ASHIKA			
	xiii.	Lateral Bump stop							GMT			
	xiv.	Traction center make							SARITA		EMSON	
	xv.	Traction lever make							SARITA			
	xvi.	Ball joint traction lever							AVADH			
	xvii.	Traction center elastic							ASHIKA			
	xviii.	Secondary rubber pad							DUREL			
	xix.	Rubber spring							GMT			
	xx.	Anti roll bar make							EMSON		SARITA	
	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								

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