



आर्य समाज पत्रिका

RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

(FORM NO. QMF 4254 VER.06)

1.	SHELL NO	7036	BOGIE NO	177059	/ 177060	DISPATCH DATE	27-NOV-17
2.	RAILWAY	SWR	TYPE OF COACH	LWSCZ	COACH NO	17601	
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	88 / 87	
	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			CEMCON		
	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	
			7036		SWR		LWSCZ		17601		27-NOV-17	
11.1 Wheel & Axle Details:												
i.	Bogie No.	177059						177060				
ii.	Frame No.	FIAT-5907						FIAT-6027				
iii.	Bolster No.	VT-7536						VT-7553				
iv.	Axle No.	W- 3025			Y- 7575			Y- 7525			Y- 1480	
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	916.00	916.00	916.00	916.00	916.00	
vii.	Wheel Disc No.	02829-7NM2	19426-7PL3	21874-6QM5	14596-7OP3	14303-7ON0	14301-7ON0	26992-7RK4	21185-7QK8			
viii.	RB Nos.	07522	08989	07641	08261	07403	07539	08490	08334			
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.	FSK-17-5-81	GBD-17-7-158	FSK-17-5-3	GBD-17-7-236	FSK-17-5-90	GBD-17-7-66	FSK-17-5-62	GBD-17-7-72			
ii.	Ht. at test load	510.00	466.00	512.00	468.00	509.00	466.00	510.00	467.00			
iii.	Align. deviation	8.00	12.00	9.00	12.00	9.00	6.00	12.00	6.00			
Items traceability:												
11.3	Sno.	Item								Make		
	i.	Primary Outer Spring			FSK-17-7			GBD-17-3			FSK	GBD
	ii.	Primary inner Spring			GBD-17-6			GBD-17-6			GBD	
	iii.	Primary Damper			41071, 40741, 41107, 40786			40745, 41021, 40825, 40910			KONI	
	iv.	Secondary Damper			946, 948			940, 944			GABRIEL	
	v.	Lateral Damper			783			828			GABRIEL	
	vi.	Break cylinder & Caliper			7329,7139, 7327,7122			6597,6399, 6595,6400			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									SARITA	
	xv.	Traction lever make									SARITA	
	xvi.	Ball joint traction lever									ASHIKA	
	xvii.	Traction center elastic									GMT	
	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							

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RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

(FORM NO. QMF 4254 VER.06)

1.	SHELL NO	7040	BOGIE NO	177061	/ 177062	DISPATCH DATE	30-NOV-17
2.	RAILWAY	SWR	TYPE OF COACH	LWSCZ		COACH NO	17603
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	90 / 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
			7040	SWR	LWSCZ	17603	30-NOV-17

11.1 Wheel & Axle Details:									
i.	Bogie No.	177061				177062			
ii.	Frame No.	SCI-FM-1170				SCI-FM-1175			
iii.	Bolster No.	P-7578				VT-7550			
iv.	Axle No.	B-8502		A-7199		A-7316		Y-7321	
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	916.50	916.50
vii.	Wheel Disc No.	14655-70P3	21522-7QK5	27744-7RG6	18408-7ON1	02835-7NN3	26411-7RG9	07922-7OG8	08549-7OK1
viii.	RB Nos.	65516	44047	44089	35568	07774	07450	07225	04844
ix.	RB Make	SKF		SKF		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.	FSK-17-5-53	GBD-17-5-126	FSK-17-5-53	GBD-17-5-224	FSK-17-5-036	GBD-17-5-35	FSK-17-5-98	GBD-17-5-160
ii.	Ht. at test load	511.50	468.00	512.00	468.00	508.50	466.00	507.00	467.00
iii.	Align. deviation	11.00	11.00	13.00	11.00	7.00	7.00	9.00	11.00

Items traceability:					
11.3	Sno.	Item	Make		
	i.	Primary Outer Spring	GBD-17-3		GBD
	ii.	Primary inner Spring	GBD-17-6		GBD
	iii.	Primary Damper	40933, 40794, 41096, 40947		KONI
	iv.	Secondary Damper	0951, 0949		GABRIEL
	v.	Lateral Damper	780		GABRIEL
	vi.	Break cylinder & Caliper	8779,8563, 8769,8562		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			GMT
	xvii.	Traction center elastic			ASHIKA
	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

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RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

(FORM NO. QMF 4254 VER.06)

1.	SHELL NO	7041	BOGIE NO	177067	/ 177082	DISPATCH DATE	30-NOV-17
2.	RAILWAY	SWR	TYPE OF COACH	LWSCZ		COACH NO	17602
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	88 / 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		
	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	
			7041		SWR		LWSCZ		17602		30-NOV-17	
11.1 Wheel & Axle Details:												
i.	Bogie No.	177067						177082				
ii.	Frame No.	FIAT-6022						FIAT-5972				
iii.	Bolster No.	VT-7521						AMIT-11-2017				
iv.	Axle No.	Z - 4339			Z - 4771			Z - 4594			Y - 7503	
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	916.50	916.50	916.50	916.00			
vii.	Wheel Disc No.	18286-70Q5	27807-7QJ6	24001-7RH5	24002-7RK3	13966-7OP2	16567-7OK4	16740-7ON0	23311-7PK3			
viii.	RB Nos.	44984	81925	58372	34137	81916	44085	81615	81934			
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-17-05-42	GBD-17-07-107	GBD-17-05-57	GBD-17-07-44	GBD-17-6-47	GBD-17-7-57	GBD-17-6-109	GBD-17-7-43			
ii.	Ht. at test load	511.00	464.00	509.00	467.00	512.00	468.00	511.00	468.00			
iii.	Align. deviation	10.00	10.00	11.00	11.00	11.00	11.00	10.00	7.00			
Items traceability:												
11.3		Sno. Item								Make		
i.	Primary Outer Spring	GBD-17-03				GBD-17-03				GBD		
ii.	Primary inner Spring	GBD-17-6				GBD-17-6				GBD		
iii.	Primary Damper	41108, 40949, 40987, 40731				41078, 40378, 40702, 40716				KONI		
iv.	Secondary Damper	1412, 1413				371, 116				GABRIEL		GEREP
v.	Lateral Damper	0781				1012				GABRIEL		
vi.	Break cylinder & Caliper	6321,6189, 6328,6188				5857,5822, 5686,5823				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		SARITA
xv.	Traction lever make									SARITA		
xvi.	Ball joint traction lever									ASHIKA		
xvii.	Traction center elastic									SGA		PRAG
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						

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