



आर्योवे पालेवे

RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

(FORM NO. QMF 4254 VER.06)

1.	SHELL NO	7052	BOGIE NO	186128	/ 186127	DISPATCH DATE	09-MAR-18
2.	RAILWAY	SWR	TYPE OF COACH	LWLRRM	COACH NO	17858/C	
3.	BOOKED TO	SSE/C&W/SBC					
4.	Tare Weight of Coach	53.4 T					
5.	Carrying Capacity	Seating	5	Sleeping	3	Luggage	3.9 T
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		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		DEB PAINT	87 / 87	
	8.2	Application of PCN-123	SATISFACTORY				
	8.3	Insulation	SATISFACTORY				
9.	Traceability of Furnishing Items:						
	1	BRAKE EQUIPMENT	FAVELLY				
	2	BIO-TOILET	MRC				
	3	FLOOR BOARD	TWPL				
	4	PVC	RESPONSIVE				
	5	UIC VESTIBULES	KRP				
	6	WATER TANKS	AMIT, SHIVALIK				
	7	BODY SIDE DOOR	JVR				
	8	VESTIBULE SLIDING DOOR	KALSI				
	9	SEAT & BEARTH	AAR KAY FOAM				
	10	FUEL TANK	SHIVALIK				
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	
			7052		SWR		LWLRRM		17858/C		09-MAR-18	

11.1 Wheel & Axle Details:										
i.	Bogie No.	186128				186127				
ii.	Frame No.	FIAT-6180				FIAT-6201				
iii.	Bolster No.	VT-7448				VT-7734				
iv.	Axle No.	Y-7857		Z-4217		C-3648		Y-7523		
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	916.50	916.50	916.50	916.50	917.00	916.50	917.00	
vii.	Wheel Disc No.	01380-7NL2	01973-7NM4	02742-7NN3	03925-7NN4	06818-7QG3	08167-7NK6	03369-7NN1	21110-7QK5	
viii.	RB Nos.	11954	12901	13827	11913	11723	13413	13715	11877	
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-17-9-10	FSK-17-11-15	GBD-17-9-90	FSK-17-11-19	FSK-18-1-91	RSK-16-7-674	FSK-17-10-23	RSK-16-7-535
ii.	Ht. at test load	512.00	468.50	510.00	468.50	511.00	469.00	510.00	470.00
iii.	Align. deviation	7.00	11.00	6.00	9.00	11.00	36.00	11.00	30.00

Items traceability:					
11.3	Sno.	Item	Make		
	i.	Primary Outer Spring	FSK-17-8		FSK
	ii.	Primary inner Spring	FSK-17-5		FSK
	iii.	Primary Damper	5574, 5536, 5576, 5409		GABRIEL
	iv.	Secondary Damper	1207, 1208		GABRIEL
	v.	Lateral Damper	1157		GABRIEL
	vi.	Break cylinder & Caliper	H17049,K17008, H17047,K17005		FTI
	vii.	Break Disc			FTI
	viii.	Contral arm top			SAF
	ix.	Control arm bottom			SAF
	x.	Top rubber Pad			SGA
	xi.	Vertical Bump Stop			GMT
	xii.	Ball Joint Control arm			ASHIKA
	xiii.	Lateral Bump stop			PRAG
	xiv.	Traction center make			EMSON
	xv.	Traction lever make			SARITA
	xvi.	Ball joint traction lever			ASHIKA
	xvii.	Traction center elastic			ASHIKA
	xviii.	Secondary rubber pad			DUREL
	xix.	Rubber spring			GMT
	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

LWLRRM - 7052



आर्य समाज पुरातन

RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

(FORM NO. QMF 4254 VER.06)

1.	SHELL NO	7055	BOGIE NO	186149	/ 186150	DISPATCH DATE	10-MAR-18
2.	RAILWAY	SWR	TYPE OF COACH	LWLRRM	COACH NO	17859/C	
3.	BOOKED TO	SSE/C&W/SBC					
4.	Tare Weight of Coach	53.4 T					
5.	Carrying Capacity	Seating	5	Sleeping	3	Luggage	3.9 T
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	1094	
	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		DEB PAINT	85 / 85	
	8.2	Application of PCN-123	SATISFACTORY				
	8.3	Insulation	SATISFACTORY				
9.	Traceability of Furnishing Items:						
	1	BRAKE EQUIPMENT		KBI			
	2	BIO-TOILET		RAIL FAB			
	3	FLOOR BOARD		TWPL			
	4	PVC		RESPONSIVE			
	5	UIC VESTIBULES		KRP			
	6	WATER TANKS		AMIT, SHIVALIK			
	7	BODY SIDE DOOR		JVR			
	8	VESTIBULE SLIDING DOOR		KALSI			
	9	SEAT & BEARTH		AAR KAY FOAM			
	10	FUEL TANK		GAURAV			
10.	10.1	Modification/ Trial (If any): NIL					
	10.2	Deviations (If any): NIL					



भारतीय रेलवे कारखाना

RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

11.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			7055		SWR		LWLRRM		17859/C		10-MAR-18	
11.1 Wheel & Axle Details:												
i.	Bogie No.	186149						186150				
ii.	Frame No.	SCI-FM-1467						FIAT-6229				
iii.	Bolster No.	P-7807						VT-7736				
iv.	Axle No.	A-7212			Z-4556			B-9611		A-7964		
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	916.50	916.50	916.50	917.00	916.00	916.50			
vii.	Wheel Disc No.	02738-7NN3	01383-7OH8	03924-7NN4	00694-7NK2	00138-7NL5	01557-6QJ0	01218-7OJ0	01219-7OJ0			
viii.	RB Nos.	11633	14065	13422	13317	13170	13287	12924	11718			
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-17-9-16	FSK-17-11-12	GBD-17-9-34	FSK-17-11-7	FSK-17-10-16	RSK-16-7-358	FSK-17-10-39	RSK-16-7-612			
ii.	Ht. at test load	509.00	467.00	509.00	467.00	512.50	469.00	512.00	471.00			
iii.	Align. deviation	9.00	11.00	12.00	12.00	10.00	20.00	14.00	23.00			
Items traceability:												
11.3		Sno. Item							Make			
i.	Primary Outer Spring	RSK-15-11				RSK-15-11			RSK			
ii.	Primary inner Spring	FSK-17-05				L&S-15-11			FSK		L&S	
iii.	Primary Damper	5868, 6241, 6238, 6237				6048, 6049, 6044, 6212			GABRIEL			
iv.	Secondary Damper	1227, 1700				1720, 1718			GABRIEL			
v.	Lateral Damper	1158				1134			GABRIEL			
vi.	Break cylinder & Caliper	A1132,L8118, A1128,M0775				A1129,A0813, A1135,A0829			KBI			
vii.	Break Disc								FTI			
viii.	Contral arm top								RV			
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								PRAG		GMT	
xiv.	Traction center make								EMSON			
xv.	Traction lever make								SARITA			
xvi.	Ball joint traction lever								ASHIKA			
xvii.	Traction center elastic								ASHIKA			
xviii.	Secondary rubber pad								DUREL			
xix.	Rubber spring								GMT			
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						

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