



ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	4017	DISPATCH DATE			12/5/2015
2.	Railway	SWR	Type	LWSCZ	Coach No.	14624
3.	Booked to	SSE/C&W/SBC				
4.	Tare Weight of Coach	40.5 T				
5.	Carrying Capacity	Seating	106	Sleeping	NIL	Luggage NIL
6.	Shell Details: (LJ90001))					
6.1	Leading Dimensions:					
i)	Maximum length over Body	23700+10/-0 mm				
ii)	Maximum width over Body	3240-8/+0 mm, 3050 mm (LWSCZDAC)				
iii)	Max. Height From Rail Level	4250 (LWACCN), 4039 (LWACCW, LS, LWSCN), 4366 (LWSCZDAC)				
iv)	Buffer/CBC Height	Specified : 1105 +0 /-15 mm	1105	1105		
v)	Buffer/CBC (Make)	ESCORT	Fiba Device	NA		
7.	Air Brake Testing:		Description	Specified	Observed	
7.1	Full Brake Application		Reduce pressure of BP from 5.0 to 3.4 kg/cm ²	6 –10 sec	6 Sec	
			Max Pressure in BC	3.00 ± 0.15 Kg/cm ²	3.00	
			All Brake are applied	OK	OK	
7.2	Insensitivity		Exhaust BP @ 0.3 kg/cm ² /min	No brake application	OK	
7.3	Sensitivity		Exhaust BP @ 0.1 kg/cm ² /Sec, After 02 Sec.	Brake must apply	OK	
8.	PAINTING DEATAILS:		TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE	
8.1	PAINT		PU PAINT	VIBGYOR	88/89	
8.2	APPLICATION OF PCN-123		SATISFACTORY			
8.3	INSUALTION		SATISFACTORY			
9.	Traceability of Furnishing Items:			Make		
i.	BRAKE EQUIPMENT			KBI		
iii.	BIOTANK			NOT PROVIDED		
iv.	SEAT & BERTH			SATLUJ		
v.	BODY SIDE DOORS			SUKATA		
vi.						
vii.	VESTIBULE SLIDING DOOR			KALSI		
viii.	WATER TANKS			rubicon		
ix	UIC VESTIBULE			FRINKMART		
x	LUGGAGE RACK			HANSPAL		
XI	FLOOR BOARD			TAYAL		
XII	PVC			RESPONSIVE		
10.						
10.1	Modification / Trail (if any):			NIL		
10.2	Deviations if any:			NIL		



12.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			4017		SWR		LWSCZ		14624		14-08-2014	
12.1	Wheel & Axle Details:		PP Side						NPP Side			
	i.	Bogie No.	146698						146697			
	ii.	Frame No.	FIAT-3361						FIAT-3248			
	iii.	Bolster No.	4094-GT						4088-VT			
	iv.	Axle No.	Z-3884			Z-3348			RWF-110595		RWF-109885	
	v.	Wheel Dia.	917.00	917.00	917.50	918.00	917.00	917.00	917.00	917.00		
	vi.	Wheel Disc No.	020-11600	085-11605	198-10570	318-11607	356-10568	116-11600	106-11605	042-10559		
	vii.	R.B. Nos.	34577	00405	00336	00118	34598	05065	34454	00369		
	viii.	R.B. Make	TIMKEN			TIMKEN			TIMKEN		TIMKEN	
	ix.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING									
12.2	Secondary suspension load deflection Values:											
Description		Secondary 1		Secondary 2		Secondary 1		Secondary 2				
		Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner			
i.	Make & nos.	G-12-5-995	G-12-5-2075	G-12-5-1001	G-12-5-2107	G-12-5-1052	G-12-5-1701	G-12-5-1113	G-12-5-1785			
ii.	Ht. attest load	512	466	512	465	510	466	511	468			
iii.	Align .deviation	4	14	1	13	3	24	2	21			
12.3	Items traceability:											
	Sno.	Item			PP Side Bogie		NPP side Bogie		Make			
	i.	Primary Outer Spring			L&S-02-13		L&S-02-13		L&S			
	ii.	Primary inner Spring			L&S-02-13		L&S-02-13		L&S			
	iii.	Primary Damper							KONI			
	iv.	Secondary damper							SACHS			
	v.	Lateral Damper							SACHS			
	vi.	Yaw Damper							NIL			
	vii.	Brake cylinder & Caliper							KBI			
	viii.	Brake Disc							KBI			
	ix.	Ball joint Control arm							GMT			
	x.	Lateral Bump stop							GMT			
	xi.	Traction center make							SARITA			
	xii.	Traction lever make							SARITA			
	xiii.	Ball joint traction lever							SGA			
	xiv.	Traction centre elastic							GMT			
	xv.	Secondary rubber pad							TESPAK			
	xvi.	Rubber spring							GMT			
	xvii.	Anti roll bar make							EMSON			
	xviii.	Ball joint roll link							SARITA			
	xix.	Fork make							EMSON			
12.4	i.	Modification / Trial (if any):					NIL					
	ii.	Deviations (if any):					NIL					

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Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	4018	DISPATCH DATE			9/05/2015	
2.	Railway	SWR	Type	LWSCZ	Coach No.	14623	
3.	Booked to	SSE/C&W/SBC					
4.	Tare Weight of Coach	40.5 T					
5.	Carrying Capacity	Seating	106	Sleeping	NIL	Luggage	NIL
6.	Shell Details: (LJ90001))						
6.1	Leading Dimensions:						
i)	Maximum length over Body	23700+10/-0 mm					
ii)	Maximum width over Body	3240-8/+0 mm, 3050 mm (LWSCZDAC)					
iii)	Max. Height From Rail Level	4250 (LWACCN), 4039 (LWACCW, LS, LWSCN), 4366 (LWSCZDAC)					
iv)	Buffer/CBC Height	Specified : 1105 +0 /-15 mm	1105	1105			
v)	Buffer/CBC (Make)	ESCORT	Fiba Device	NA			
7.	Air Brake Testing:		Description	Specified	Observed		
7.1	Full Brake Application		Reduce pressure of BP from 5.0 to 3.4 kg/cm ²	6 –10 sec	6 Sec		
			Max Pressure in BC	3.00 ± 0.15 Kg/cm ²	3.00		
			All Brake are applied	OK	OK		
7.2	Insensitivity		Exhaust BP @ 0.3 kg/cm ² /min	No brake application	OK		
7.3	Sensitivity		Exhaust BP @ 0.1 kg/cm ² /Sec, After 02 Sec.	Brake must apply	OK		
8.	PAINTING DEATAILS:		TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE		
8.1	PAINT		PU PAINT	VIBGYOR	86/86		
8.2	APPLICATION OF PCN-123		SATISFACTORY				
8.3	INSUALTION		SATISFACTORY				
9.	Traceability of Furnishing Items:			Make			
i.	BRAKE EQUIPMENT			KBI			
iii.	BIOTANK			NOT PROVIDED			
iv.	SEAT & BERTH			SATLUJ			
v.	BODY SIDE DOORS			SUKATA			
vi.	LP SHEET			NK			
vii.	VESTIBULE SLIDING DOOR			KALSI			
viii.	WATER TANKS			RUBICON			
ix	UIC VESTIBULE			KRP			
x	LUGGAGE RACK			HANSPAL			
XI	FLOOR BOARD			TAYAL			
XII	PVC			RESPONSIVE			
10.							
10.1	Modification / Trail (if any):			NIL			
10.2	Deviations if any:			NIL			



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12.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			4018		SWR		LWSCZ		14623		13-11-2014	
12.1	Wheel & Axle Details:		PP Side						NPP Side			
	i.	Bogie No.	146945						146946			
	ii.	Frame No.	ECBT-893						ECBT-891			
	iii.	Bolster No.	4344-VT						4345-VT			
	iv.	Axle No.	RWF-110217			W-4553			Z-3045		Z-3339	
	v.	Wheel Dia.	916.00	916.00	916.00	916.00	917.50	917.50	918.00	917.50		
	vi.	Wheel Disc No.	067-11605	009-10568	144-10533	045-10568	071-11611	363-11603	244-10583	176-10568		
	vii.	R.B. Nos.	37060	13688	30184	30179	36637	38028	36605	29543		
	viii.	R.B. Make	SKF		SKF		SKF		SKF			
	ix.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING									
12.2	Secondary suspension load deflection Values:											
Description		Secondary 1		Secondary 2		Secondary 1		Secondary 2				
		Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner			
i.	Make & nos.	G-12-4A-1088	G-12-4-1700	G-12-4A-1080	G-12-4-2073	G-12-4B-946	G-12-4-2089	G12-4B-941	G-12-4-18855			
ii.	Ht. attest load	510	467	509	465	510	466	512	465			
iii.	Align .deviation	5	22	3	18	8	10	8	13			
12.3	Items traceability:											
	Sno.	Item			PP Side Bogie		NPP side Bogie		Make			
	i.	Primary Outer Spring			G-13-3		G-13-3		GF			
	ii.	Primary inner Spring			G-12-5A		G-12-5		GF			
	iii.	Primary Damper							KONI			
	iv.	Secondary damper							SACHS			
	v.	Lateral Damper							KONI			
	vi.	Yaw Damper							NIL			
	vii.	Brake cylinder & Caliper							KBI			
	viii.	Brake Disc							KBI			
	ix.	Ball joint Control arm							MGN			
	x.	Lateral Bump stop							GMT			
	xi.	Traction center make							SARITA			
	xii.	Traction lever make							SARITA			
	xiii.	Ball joint traction lever							GMT			
	xiv.	Traction centre elastic							SGA			
	xv.	Secondary rubber pad							TESPAK			
	xvi.	Rubber spring							GMT			
	xvii.	Anti roll bar make							EMSON			
	xviii.	Ball joint roll link							SARITA			
	xix.	Fork make							EMSON			
12.4	i.	Modification / Trial (if any):					NIL					
	ii.	Deviations (if any):					NIL					

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