



ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	6022	DISPATCH DATE				21.04.17
2.	Railway	SWR	Type	LWACCW	Coach No.	17054	
3.	Booked to			SSE/C&W/SBC			
4.	Tare Weight of Coach			52			
5.	Carrying Capacity	Seating	52	Sleeping	52	Luggage	NIL
6.	Shell Details: (LW90023 alt 'a', LE90009 alt 'nil', LD9009 alt 'b')						
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)		ESCORTS		Fiba Device	NIL	
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	85/88	
8.2	APPLICATION OF PCN-123			SATISFACTORY			
8.3	INSUALTION			SATISFACTORY			
9.	Traceability of Furnishing Items:			Make			
i.	BRAKE EQUIPMENT			FAIVELEY			
ii.	BIO TOILET			RAIL TECH+MK			
iii.	SEATS/ BERTHS			OVPL			
iv.	BODY SIDE DOOR			SUKATA			
v.	VESTIBULE SLIDING DOOR			HP			
vi.	COMPTT.DOOR			RT			
vii.	WATER TANKS			SHIVALIK(AUX),AMIT AND MANOJ(U/S)			
viii.	UIC VESTIBULE			SSIPL			
ix	FLOOR BOARD			NARBADA			
X	PVC			PREMIER POLYFILM			
10.							
10.1	Modification / Trail (if any):				NIL		
10.2	Deviations if any:				NIL		



11.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date			
			6022	SWR	LWACCW	17054	13-04-2017			
11.1	Wheel & Axle Details:									
	i.	Bogie No.	176342				176343			
	ii.	Frame No.	ECBT-016				FIAT-5625			
	iii.	Bolster No.	6855-GT				6842-GT			
	iv.	Axle No.	S-9980		S-9296		W-2149		W-2911	
	v.	Items/locations	Earthing end side	Phonic wheel side	Phonic wheel side	Plane side	Earthing end side	Phonic wheel side	Phonic wheel side	Plane side
	vi.	Wheel Dia.	917.00	917.00	917.00	917.00	917.00	917.00	917.00	917.00
	vii.	Wheel Disc No.	00028/7258	00058/6178	00186/6134	00036/6178	00117/7258	00091/6178	00095/6070	00090/6178
	viii.	R.B. Nos.	77501	38560	38578	38923	78204	79764	79763	39106
	ix.	R.B. 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-17-2-065	GBD-16-10-283	FSK-17-2-074	GBD-16-10-212	FSK-17-2-115	GBD-16-10-213	FSK-17-2-116	GBD-16-10-206	
ii.	Ht. at test load	510	467	508.50	467	510.50	468	510	468	
iii.	Align .deviation	11	6	12	7	7	7	10	10	
11.3	Items traceability:									
	Sno.	Item							Make	
	i.	Primary Outer Spring			GBD-16-12		GBD-16-12		GBD	
	ii.	Primary inner Spring			RSK-14-5		RSK-14-5		RSK	
	iii.	Primary Damper			35692,35567,35580,35764		35420,35646,35534,35795		KONI	
	iv.	Secondary damper			0151,0173		0163,0572		SV	
	v.	Lateral Damper			0180		0196		SV	
	vi.	Brake cylinder & Caliper			K16243/600,L16051/600 K16242/600,K16237/600		K16146/600,K16172/600 K16149/600,K16153/600		FTI	
	vii.	Brake Disc							KBI	
	viii.	Control arm top							KUMAR	
	ix.	Control arm bottom							KUMAR	
	x.	Top Rubber Pad							SGA	
	xi.	Vertical Bump Stop							GMT	
	xii.	Ball joint Control arm							MGN	
	xiii.	Lateral Bump stop							GMT	
	xiv.	Traction center make							EMSON	
	xv.	Traction lever make							SARITA	
	xvi.	Ball joint traction lever							MGN	
	xvii.	Traction centre elastic							GMT	
	xviii.	Secondary rubber pad							TECSPAK	
	x ix.	Rubber spring							GMT	
	x x.	Anti roll bar make							SARITA, EMSON	
	x xi.	Ball joint roll link							SARITA	
	x xii.	Fork make							RNG	
11.4	i.	Modification / Trial (if any):				NIL				
	ii.	Deviations (if any):				NIL				



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ROLLING STOCK CERTIFICATE

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1.	SHELL No.	6021	DISPATCH DATE				18.04.17
2.	Railway	SWR	Type	LWACCW	Coach No.	17053	
3.	Booked to	SSE/C&W/SBC					
4.	Tare Weight of Coach	52					
5.	Carrying Capacity	Seating	52	Sleeping	52	Luggage	NIL
6.	Shell Details: (LW90023 alt 'a', LE90009 alt 'nil', LD9009 alt 'b')						
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)	ESCORTS		Fiba Device	NIL		
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	85/87		
8.2	APPLICATION OF PCN-123	SATISFACTORY					
8.3	INSUALTION	SATISFACTORY					
9.	Traceability of Furnishing Items:					Make	
i.	BRAKE EQUIPMENT					KBI	
ii.	BIO TOILET					RAIL TECH+ORIENTAL PVT	
iii.	SEATS/ BERTHS					SAVITRY	
iv.	BODY SIDE DOOR					SUKATA	
v.	VESTIBULE SLIDING DOOR					HP	
vi.	COMPTT.DOOR					RT	
vii.	WATER TANKS					SHIVALIK(AUX),AMIT AND DTL(U/S)	
viii.	UIC VESTIBULE					ESCORT	
ix	FLOOR BOARD					NARBADA	
X	PVC					PREMIER POLYFILM	
10.							
10.1	Modification / Trail (if any):					NIL	
10.2	Deviations if any:					NIL	



11.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date			
			6021	SWR	LWACCW	17053	15-03-2017			
	i.	Bogie No.	176228			176229				
	ii.	Frame No.	FIAT-5457			FIAT-5465				
	iii.	Bolster No.	6742-GT			6745-GT				
	iv.	Axle No.	11.1		Wheel & Axle Details:		S-9309		S-9477	
	v.	Items/locations	Earthing end side	Phonic wheel side	Phonic wheel side	Plane side	Earthing end side	Phonic wheel side	Phonic wheel side	Plane side
	vi.	Wheel Dia.	917.00	917.00	917.00	917.00	917.00	917.00	917.00	917.00
	vii.	Wheel Disc No.	00056/62 01	00132/62 12	00054/621 7	00132/62 16	00040/6 188	00009/61 76	00166/607 0	00013/60 70
	viii.	R.B. Nos.	86992	87596	39105	39085	39098	39109	78743	77262
ix.	R.B. 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.	RSK-16-7-448	GBD-16-10-01	RSK-16-7-524	GBD-16-10-02	RSK-16-7-946	GBD-16-10-116	RSK-16-7-476	GBD-16-10-082	
ii.	Ht. at test load	510	464	511	465	511	468	511	467	
iii.	Align .deviation	6	9	8	12	9	10	13	12	
11.3	Items traceability:									
	Sno.	Item						Make		
	i.	Primary Outer Spring			GBD-16-12		GBD-16-12		GBD	
	ii.	Primary inner Spring			RSK-16-3		RSK-16-3		RSK	
	iii.	Primary Damper			36882,36884,36904,36909		36697,36710,36906,36907		KONI	
	iv.	Secondary damper			0263,0133		0087,108		SV	
	v.	Lateral Damper			0449		0502		SV	
	vi.	Brake cylinder & Caliper			3887/691,3870/691 3886/691,3871/691		4063/691,4719/691 4064/691,4705/691		KBI	
	vii.	Brake Disc							FTI	
	viii.	Control arm top							KUMAR	
	ix.	Control arm bottom							KUMAR	
	x.	Top Rubber Pad							SGA	
	xi.	Vertical Bump Stop							GMT	
	xii.	Ball joint Control arm							MGN	
	xiii.	Lateral Bump stop							GMT	
	xiv.	Traction center make							EMSON	
	xv.	Traction lever make							SARITA	
	xvi.	Ball joint traction lever							SGA	
	xvii.	Traction centre elastic							SGA	
	xviii.	Secondary rubber pad							TECSPAK	
	x ix.	Rubber spring							GMT	
	x x.	Anti roll bar make							EMSON, SARITA	
	x xi.	Ball joint roll link							SARITA	
	x xii.	Fork make							SARITA	
11.4	i.	Modification / Trial (if any):				NIL				
	ii.	Deviations (if any):				NIL				