

ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	5007	DISPATCH DATE				14.3 2016
2.	Railway	NR	Type	LFCWAC	Coach No.		163026
3.	Booked to			SSE/C&W/NDLS			
4.	Tare Weight of Coach			43.6 T			
5.	Carrying Capacity	Seating	38	Sleeping	38	Luggage	NIL
6.	Shell Details: WA900001						
	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		1095	1105	
	v)	Buffer/CBC (Make)	ESCORT		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	NEROLAK	87/88		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:			Make			
	i.	BRAKE EQUIPMENT			FAVELLY		
	ii.	CDTS/ BIO TOILET			RAIL FAB		
	iii.	SEATS/ BERTHS			,AAR KAY FOAMS,GANDHI		
	iv.	BODY SIDE DOOR			JBM		
	v.	VESTIBULE SLIDING DOOR			KALSI		
	vi.	SALOON DOOR,COMPPT. DOOR			KALSI,		
	vii.	WATER TANKS			EC BLADE,MANOJ,SHIVALIK		
	viii.	UIC VESTIBULE			ESCORT		
	ix	FLOOR BOARD			NARBADA		
	x	PVC FLOORING			RESPONSIVE		
10.							
	i	Modification / Trail (if any):				NIL	
	ii	Deviations if any:				NIL	



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11.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date		
			5007		NR		LFCWAC		163026/C		10-02-2016		
11.1	Wheel & Axle Details:		PP Side						NPP Side				
	i.	Bogie No.	166129						166130				
	ii.	Frame No.	FIAT-4597						FIAT-3840				
	iii.	Bolster No.	5467-P						5500-P				
	iv.	Axle No.	129160/992		129269/982		R-3195		128560/989				
	v.	Wheel Dia.	916.00	916.00	916.00	916.00	916.00	916.00	916.00	916.00	916.00	916.00	
	vi.	Wheel Disc No.	7282-00089	7273-00214	7216-00097	7216-00078	06226-00175	06223-00129	06234-00193	06223-00150			
	vii.	R.B. Nos.	05710	04385	02295	02565	05398	05253	04676	04256			
	viii.	R.B. Make	TIMKEN		TIMKEN		TIMKEN		TIMKEN				
	ix.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING										
11.2	Secondary suspension load deflection Values:												
	Description		Secondary 1		Secondary 2		Secondary 1		Secondary 2				
			Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner	
i.	Make & nos.	RSK-14-8-003	RSK-15-10-272	RSK-14-8-119	RSK-15-10-231	RSK-14-8-59	RSK-15-10-222	RSK-14-8-72	RSK-15-10-235				
ii.	Ht. at test load	511	468	510	465	511	466	512	465				
iii.	Align .deviation	20	35	21	40	9	36	9	38				
11.3	Items traceability:												
	Sno.	Item			PP Side Bogie			NPP side Bogie			Make		
	i.	Primary Outer Spring			RSK-14-5			RSK-14-5			RSK		
	ii.	Primary inner Spring			RSK-14-5			RSK-14-5			RSK		
	iii.	Primary Damper			1857,1845,1814,1868			1869,1838,1864,1862			GEREP		
	iv.	Secondary damper			733,752			732,581			GEREP		
	v.	Lateral Damper			138			111			GEREP		
	vi.	Yaw Damper									NIL		
	vii.	Brake cylinder & Caliper			M15102/600,M15123/600 M15094/600,M15126/600			L15021/600,L15054/600 L15064/600,L15063/600			FTI		
	viii.	Brake Disc									KBI		
	ix.	Ball joint Control arm									GMT		
	x.	Lateral Bump stop									MGN		
	xi.	Traction center make									EMSON		
	xii.	Traction lever make									SARITA		
	xiii.	Ball joint traction lever									SGA		
	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									SARITA		
11.4	i.	Modification / Trial (if any):						NIL					
	ii.	Deviations (if any):						NIL					

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	5010	DISPATCH DATE				28.3 2016
2.	Railway	NR	Type	LFCWAC	Coach No.	163027	
3.	Booked to	SSE/C&W/NDLS					
4.	Tare Weight of Coach	43.6 T					
5.	Carrying Capacity	Seating	38	Sleeping	38	Luggage	NIL
6.	Shell Details: WA900001						
	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	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	87/86		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:			Make			
	i.	BRAKE EQUIPMENT	FAVELLY				
	ii.	CDTS/ BIO TOILET	RAIL FAB				
	iii.	SEATS/ BERTHS	,AAR KAY FOAMS,GANDHI(2A)				
	iv.	BODY SIDE DOOR	JBM				
	v.	VESTIBULE SLIDING DOOR	KALSI				
	vi.	SALOON DOOR,COMPPT. DOOR	KALSI,				
	vii.	WATER TANKS	EC BLADE,MANOJ,SHIVALIK				
	viii.	UIC VESTIBULE	ESCORT				
	ix	FLOOR BOARD	TAYAL				
	x	PVC FLOORING	RESPONSIVE				
10.							
	i	Modification / Trail (if any):	NIL				
	ii	Deviations if any:	NIL				



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11.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date			
			5010	NR	LFCWAC	163027/C	05-02-2016			
11.1	Wheel & Axle Details:		PP Side				NPP Side			
	i.	Bogie No.	166109				166110			
	ii.	Frame No.	FIAT-3834				FIAT-4639			
	iii.	Bolster No.	5492-P				5493-P			
	iv.	Axle No.	128258/991	128027/989	128203/984	129219/992				
	v.	Wheel Dia.	916.00	916.00	916.00	916.00	916.00	916.00	917.00	917.00
	vi.	Wheel Disc No.	6226-00004	06229-00208	06230-00143	6210-00176	07297-00165	6210-00113	06223-00119	6210-00076
	vii.	R.B. Nos.	04511	01431	04623	05164	04901	05393	07420	04869
	viii.	R.B. Make	TIMKEN		TIMKEN		TIMKEN		TIMKEN	
	ix.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING							
11.2	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.	DN-12-8-2705	RSK-15-3-332	DN-12-8-1840	RSK-15-3-327	DN-12-8-2789	RSK-15-3-248	DN-12-8-1729	RSK-15-3-247	
ii.	Ht. at test load	510	465	509	466	506	467	507	468	
iii.	Align .deviation	17	34	19	34	20	42	21	47	
11.3	Items traceability:									
	Sno.	Item			PP Side Bogie		NPP side Bogie		Make	
	i.	Primary Outer Spring			RSK-14-5		RSK-14-5		RSK	
	ii.	Primary inner Spring			RSK-14-5		RSK-14-5		RSK	
	iii.	Primary Damper			1314,1343,1205,1332		621,1333,1274,946		GEREP	
	iv.	Secondary damper			689,759		736,740		GEREP	
	v.	Lateral Damper			624		102		GEREP	
	vi.	Yaw Damper							NIL	
	vii.	Brake cylinder & Caliper			M15062/600,M15049/600 M15063/600,M15092/600		M15068/600,M15041/600 M15066/600,M15046/600		FTI	
	viii.	Brake Disc							KBI	
	ix.	Ball joint Control arm							GMT	
	x.	Lateral Bump stop							MGN	
	xi.	Traction center make							SARITA, EMSON	
	xii.	Traction lever make							SARITA	
	xiii.	Ball joint traction lever							SGA	
	xiv.	Traction centre elastic							SGA	
	xv.	Secondary rubber pad							TESPAK	
	xvi.	Rubber spring							GMT	
	xvii.	Anti roll bar make							EMSON, SARITA	
	xviii.	Ball joint roll link							SARITA	
	xix.	Fork make							SARITA	
11.4	i.	Modification / Trial (if any):					NIL			
	ii.	Deviations (if any):					NIL			

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