



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	4003	DISPATCH DATE			1.7.2014
2.	Railway	ER	Type	LWLRRM	Coach No.	13853
3.	Booked to	SSE/C&W/LILUAH				
4.	Tare Weight of Coach	53.4 T				
5.	Carrying Capacity	Seating	NIL	Sleeping	NIL	Luggage 3.9 T
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	1100	
	v)	Buffer/CBC (Make)	ESCORTS	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	87	
	8.2	APPLICATION OF PCN-123	SATISFACTORY			
	8.3	INSUALTION	SATISFACTORY			
9.	Traceability of Furnishing Items:			Make		
	i.	BRAKE EQUIPMENT			FAIVELEY	
	iii.	CDTS			AMIT	
	iv.	SEATS/S&B			AMIR CHAND	
	v.	BODY SIDE DOOR			JVR	
	vi.	VESTIBULE SLIDING DOOR			KALSI	
	vii.	CREW-GEN & GUARD ROOM DOOR			JBM/JBM	
	viii.	WATER TANKS			AMIT & SHIVALIK	
	ix	FUEL TANK			OMAX	
	x	UIC VESTIBULE			KRP	
	Xi	FLOOR BOARD			TAYAL	
	xii	PVC FLOORING			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		
			4003	ER	LWLRRM	13853		2-6-14		
12.1	Wheel & Axle Details:		LPC-1 PP Side(Guard)				LPC-II NPP Side (Non guard)			
	i.	Bogie No.	146486				146487			
	ii.	Frame No.	FIAT-2935				FIAT-3153			
	iii.	Bolster No.	125-HEI				145-HEI			
	iv.	Axle No.	W-4495		RWF-109659		W-4632		W-4497	
	v.	Wheel Dia.	918.00	918.00	918.00	918.00	918.00	918.00	918.00	918.00
	vi.	Wheel Disc No.	195-51908	330-51908	238-63302	207-63307	079-51916	273-51908	166-51910	251-51912
	vii.	R.B. Nos.	12606	09096	12602	07189	07246	09080	77295	12604
	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.		DN-12-2-279	DN-12-3-337	DN-12-2-240	DN-12-3-314	G-13-3-0702	G-12-9-307	G-13-3-0700	G12-9-241
ii.	Ht. attest load		509	464	506	463	514	464	514	469
iii.	Align .deviation		6	4	9	3	16	6	12	4
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	G-12-5		G-12-5		GF			
	iii.	Primary Damper					GEREP			
	iv.	Secondary damper					GEREP			
	v.	Lateral Damper					GEREP			
	vi.	Yaw Damper					NIL			
	vii.	Brake cylinder & Caliper					FTI			
	viii.	Brake Disc					FTI			
	ix.	Ball joint Control arm					SGA			
	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			