



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	4001	DISPATCH DATE			6.6.2014
2.	Railway	NF	Type	LWLRRM	Coach No.	13853
3.	Booked to	SSE/C&W/GHY				
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	1105	
	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			GANDHI	
	v.	BODY SIDE DOOR			MOHAN RAIL	
	vi.	VESTIBULE SLIDING DOOR			JBM	
	vii.	CREW-GEN & GUARD ROOM DOOR			JBM/JBM	
	viii.	WATER TANKS			AMIT & SHIVALIK	
	ix	FUEL TANK			GAURAV	
	x	UIC VESTIBULE			KRP	
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	
			4001	NF	LWLRRM		13853		28-5-14	
12.1	Wheel & Axle Details:		LPC-1 PP Side(Guard)				LPC-II NPP Side (Non guard)			
	i.	Bogie No.	146483				146482			
	ii.	Frame No.	Fiat-3159				FIAT-3152			
	iii.	Bolster No.	HEI-144				128-HEI			
	iv.	Axle No.	W-4727		RWF-109166		W-4577		W-4714	
	v.	Wheel Dia.	916.50	916.00	915.00	915.00	917.00	917.00	916.50	916.50
	vi.	Wheel Disc No.	331-63305	104-63309	033-63301	005-63302	065-63309	143-63309	005-63305	282-63309
	vii.	R.B. Nos.	35375	11974	12252	12568	03819	08322	92009	11986
	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-13-4-102	G-13-4-105	G-13-4-073	G-13-4-063	G-13-3-0606	G-12-9-228	G-13-3-0694	G-12-9-102	
ii.	Ht. attest load	511	466	510	468	512	471	512	471	
iii.	Align .deviation	2	12	1	15	21	9	22	7	
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						KBI		
	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						SARITA		
	xviii.	Ball joint roll link						SARITA		
	xix.	Fork make						EMSON		
12.4	i.	Modification / Trial (if any):				NIL				
	ii.	Deviations (if any):				NIL				