



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	3028	DISPATCH DATE				15.9.2014
2.	Railway	NR	Type	LWLRRM	Coach No.	13857	
3.	Booked to	SSE/C&W/NDLS					
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	85.2	
8.2	APPLICATION OF PCN-123		SATISFACTORY				
8.3	INSUALTION		SATISFACTORY				
9.	Traceability of Furnishing Items:					Make	
i.	BRAKE EQUIPMENT			ESCORTS			
iii.	CDTS			AMIT			
iv.	SEATS/S&B			GANDHI			
v.	BODY SIDE DOOR			MOHAN			
vi.	VESTIBULE SLIDING DOOR			JBM			
vii.	CREW-GEN & GUARD ROOM DOOR			CONCEPT/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	
			3028		NR		LWLRRM		13857		26-4-14	
12.1	Wheel & Axle Details:		LPC-1 PP Side(Guard)					LPC-II NPP Side (Non guard)				
	i.	Bogie No.	146399					146398				
	ii.	Frame No.	FIAT-3122					FIAT-3120				
	iii.	Bolster No.	3804-GT					3770VT				
	iv.	Axle No.	W-4609		W-4496		W-4725		W-4741			
	v.	Wheel Dia.	917.00	917.00	916.50	916.50	916.50	916.00	917.00	917.00		
	vi.	Wheel Disc No.	339./62 314	211/.63 302	212/.63 302	054./63 301	336./63 314	095/51 912	146/63 309	014/6330 2		
	vii.	R.B. Nos.	07278	07132	07686	07201	12055	77312	08263	01161		
	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-13-5- 074	G-13-5- 059	G13-5- 084	G13-5- 144	G13-4- 0648	G-12-9- 278	G-13-4- 0662	G-12-9- 293			
ii.	Ht. attest load	511	467	512	467	512	468	512	468			
iii.	Align .deviation	10	7	10	9	20	11	18	17			
12.3	Items traceability:											
	Sno.	Item			PP Side Bogie		NPP side Bogie		Make			
	i.	Primary Outer Spring			L&S-02-12		L&S-2-13		L&S			
	ii.	Primary inner Spring			G-12-5		G-12-5		GF			
	iii.	Primary Damper							GEREP			
	iv.	Secondary damper							GEREP			
	v.	Lateral Damper							SACHS			
	vi.	Yaw Damper							NIL			
	vii.	Brake cylinder & Caliper							---			
	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							