



रेल डिब्बा कारखाना, कपूरथला  
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	4006	DISPATCH DATE			<b>4.7.2014</b>	
2.	Railway	NR	Type	<b>LWLRRM</b>	Coach No.	<b>13858</b>	
3.	Booked to	<b>SSE/C&amp;W/NDLS</b>					
4.	Tare Weight of Coach	<b>53.4 T</b>					
5.	Carrying Capacity	Seating	NIL	<b>Sleeping</b>	NIL	Luggage	<b>3.9 T</b>
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 )	<b>FAIVELEY</b>		<b>Fiba Device</b>	<b>NA</b>		
7.	Air Brake Testing:	Description			Specified	Observed	
7.1	Full Brake Application	Reduce pressure of BP from 5.0 to 3.4 kg/cm <sup>2</sup>		6 –10 sec	6 Sec		
		Max Pressure in BC		3.00 ± 0.15 Kg/cm <sup>2</sup>	3.00		
		All Brake are applied		OK	OK		
7.2	Insensitivity	Exhaust BP @ 0.3 kg/cm <sup>2</sup> /min		No brake application	OK		
7.3	Sensitivity	Exhaust BP @ 0.1 kg/cm <sup>2</sup> /Sec, After 02 Sec.		Brake must apply	OK		
8.	PAINTING DEATAILS:	TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE			
8.1	PAINT	<b>PU PAINT</b>	<b>VIBGYOR</b>	<b>88</b>			
8.2	APPLICATION OF PCN-123	<b>SATISFACTORY</b>					
8.3	INSUALTION	<b>SATISFACTORY</b>					
9.	Traceability of Furnishing Items:				Make		
i.	BRAKE EQUIPMENT			<b>FAIVELEY</b>			
iii.	CDTS			<b>AIR FLOW</b>			
iv.	SEATS/S&B			<b>GANDHI</b>			
v.	BODY SIDE DOOR			<b>MOHAN, SUKATA</b>			
vi.	VESTIBULE SLIDING DOOR			<b>JBM</b>			
vii.	CREW-GEN & GUARD ROOM DOOR			<b>JBM/CONCEPT</b>			
viii.	WATER TANKS			<b>AMIT &amp; SHIVALIK</b>			
ix	FUEL TANK			<b>OMAX</b>			
x	UIC VESTIBULE			<b>KRP</b>			
Xi	FLOOR BOARD			<b>TAYAL</b>			
xii	PVC FLOORING			<b>RESPONSIVE</b>			
10.							
10.1	Modification / Trail (if any):			NIL			
10.2	Deviations if any:			NIL			



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12.	<b>Bogie Details:</b>		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			4006		NR		LWLRRM		13858		2-6-14	
12.1	<b>Wheel &amp; Axle Details:</b>		LPC-1 PP Side(Guard )						LPC-II NPP Side (Non guard )			
	i.	Bogie No.	146489						146488			
	ii.	Frame No.	FIAT-3034						FIAT-3142			
	iii.	Bolster No.	137-HEI						135-HEI			
	iv.	Axle No.	W-4573			RWF-109651			RWF-109977		RWF-110359	
	v.	Wheel Dia.	917.00	917.00	917.00	917.00	917.50	917.50	917.00	917.00		
	vi.	Wheel Disc No.	128-63309	066-62314	269-63309	091-63307	248-63305	063-65302	130-51910	016-48743		
	vii.	R.B. Nos.	03699	91541	12025	91625	91981	11379	06893	91990		
	viii.	R.B. Make	SKF			SKF			SKF		SKF	
	ix.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING									
12.2	<b>Secondary suspension load deflection Values:</b>											
<b>Description</b>		Secondary 1		Secondary 2		Secondary 1		Secondary 2				
		Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner			
i.	<b>Make &amp; nos.</b>	BPS-2013-20	BPS-2013-25	BPS-2013-21	BPS-2013-80	BPS-2013-22	BPS-2013-12	BPS-2013-98	BPS-2013-80			
ii.	<b>Ht. attest load</b>	507	464	510	464	513	471	515	466			
iii.	<b>Align .deviation</b>	7	13	4	16	13	22	11	21			
12.3	<b>Items traceability:</b>											
	<b>Sno.</b>	<b>Item</b>			<b>PP Side Bogie</b>		<b>NPP side Bogie</b>		<b>Make</b>			
	i.	Primary Outer Spring			BPS-2013		BPS-2013		BPS			
	ii.	Primary inner Spring			BPS-2013		BPS-2013		BPS			
	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							SARITA			
	xviii.	Ball joint roll link							SARITA			
	xix.	Fork make							EMSON			
12.4	i.	Modification / Trial (if any):					NIL					
	ii.	Deviations (if any):					NIL					