



रेल डिब्बा कारखाना, कपूरथला  
Rail Coach Factory , Kapurthala

**ROLLING STOCK CERTIFICATE**

Form No. : QMF 9454; Version: 1

1.	SHELL No.	4010	DISPATCH DATE			<b>04.02.2015</b>	
2.	Railway	<b>NER</b>	Type	<b>LWFAC</b>	Coach No.	<b>14018</b>	
3.	Booked to		<b>SSE/C&amp;W/GKP</b>				
4.	Tare Weight of Coach		<b>43.6 T</b>				
5.	Carrying Capacity	Seating	24	<b>Sleeping</b>	24	Luggage	<b>NIL</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>ESCORTS</b>	<b>Fiba Device</b>	<b>NIL</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>87/88</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>KBI</b>		
ii.	CDTS/ BIO TOILET				<b>M K PRECISION</b>		
iii.	SEATS/ BERTHS				<b>AAR KAY FOAMS</b>		
iv.	BODY SIDE DOOR				<b>JBM</b>		
v.	VESTIBULE SLIDING DOOR				<b>KALSI</b>		
vi.	SALOON DOOR				<b>JBM</b>		
vii.	WATER TANKS				<b>AMIT, SHIVALIK</b>		
viii.	UIC VESTIBULE				<b>CEMCON</b>		
ix	<b>FLOOR BOARD</b>				<b>TAYAL</b>		
x	<b>PVC FLOORING</b>				<b>RESPONSIVE</b>		
10.							
i	Modification / Trail (if any):						NIL
ii	Deviations if any:						NIL



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12.	<b>Bogie Details:</b>		<b>Shell No.</b>	<b>Railway</b>	<b>Type</b>	<b>Coach No.</b>	<b>Dispatch Date</b>			
			4010	NER	LWFAC	14018	10-12-2014			
12.1	<b>Wheel &amp; Axle Details:</b>		<b>PP Side</b>				<b>NPP Side</b>			
	i.	<b>Bogie No.</b>	147011				147012			
	ii.	<b>Frame No.</b>	FIAT-3559				FIAT-3630			
	iii.	<b>Bolster No.</b>	4103-VT				4214-VT			
	iv.	<b>Axle No.</b>	125859/477		126156/471		106022/631		125607/377	
	v.	<b>Wheel Dia.</b>	915.00	915.00	915.00	915.00	915.00	915.00	915.00	915.00
	vi.	<b>Wheel Disc No.</b>	288-51912	341-51910	309-51912	182-63301	203-51915	156-51908	092-51908	206-51916
	vii.	<b>R.B. Nos.</b>	32173	23164	32092	52152	32175	31856	32151	32202
	viii.	<b>R.B. Make</b>	SKF		SKF		SKF		SKF	
	ix.	<b>RB Type</b>	UIC CARTRIDGE TAPER ROLLER BEARING							
12.2	<b>Secondary suspension load deflection Values:</b>									
<b>Description</b>		<b>Secondary 1</b>		<b>Secondary 2</b>		<b>Secondary 1</b>		<b>Secondary 2</b>		
		<b>Outer</b>	<b>Inner</b>	<b>Outer</b>	<b>Inner</b>	<b>Outer</b>	<b>Inner</b>	<b>Outer</b>	<b>Inner</b>	
i.	<b>Make &amp; nos.</b>	G-12-5-1435	G-12-5-3127	G-12-5-1604	G-12-5-2763	G-12-5-1683	G-12-5-2725	G-12-5-1687	G-12-5-2842	
ii.	<b>Ht. attest load</b>	511	467	511	466	509	466	510	466	
iii.	<b>Align .deviation</b>	4	4	5	6	9	12	6	13	
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		G-13-3		G-13-3		GF		
	ii.	Primary inner Spring		G-12-5		G-12-5		GF		
	iii.	Primary Damper						GEREP		
	iv.	Secondary damper						SACHS		
	v.	Lateral Damper						GEREP		
	vi.	Yaw Damper						NIL		
	vii.	Brake cylinder & Caliper						KBI		
	viii.	Brake Disc						FTI,KBI		
	ix.	Ball joint Control arm						MGN		
	x.	Lateral Bump stop						GMT		
	xi.	Traction center make						EMSON		
	xii.	Traction lever make						EMSON		
	xiii.	Ball joint traction lever						GMT		
	xiv.	Traction centre elastic						GMT		
	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.	<b>Modification / Trial (if any):</b>				NIL				
	ii.	<b>Deviations (if any):</b>				NIL				

LWFAC-4010