



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	4044	DISPATCH DATE			11.10.2014	
2.	Railway	NER	Type	LWACCN	Coach No.	14121	
3.	Booked to	SSE/C&W/GKP					
4.	Tare Weight of Coach	45.6 T					
5.	Carrying Capacity	Seating	72	Sleeping	72	Luggage	NIL
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)	FAIVELEY	Fiba Device	NIL		
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	3.80 ± 0.15 Kg/cm ²	3.80		
			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	86/86		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:		Make				
	i.	BRAKE EQUIPMENT	KBI				
	ii.	CDTS/ BIO TOILET	DARSHAN				
	iii.	SEATS/ BERTHS	AAR KAY FOAMS				
	iv.	BODY SIDE DOOR	MOHAN				
	v.	VESTIBULE SLIDING DOOR	JBM				
	vi.	SALOON DOOR	NA				
	vii.	WATER TANKS	AMIT & KUTEER, SHIVALIK				
	viii.	UIC VESTIBULE	KRP				
	ix	FLOOR BOARD	TAYAL				
	X	PVC	RESPONSIVE				
10.							
	10.1	Modification / Trail (if any):	FITTED WITH BIO DIGESTER OF M/s RAIL FAB				
	10.2	Deviations if any:	NIL				



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12.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date		
			4044		NER		LWACCN		14121		10-07-2014		
12.1	Wheel & Axle Details:		PP Side					NPP Side					
	i.	Bogie No.	146600					146601					
	ii.	Frame No.	FIAT-3297					FIAT-3290					
	iii.	Bolster No.	3927-P					3910-P					
	iv.	Axle No.	128652/989		128662/989		126054/475		RWF-109343				
	v.	Wheel Dia.	915.00	915.00	915.00	915.00	915.50	915.50	915.00	915.00			
	vi.	Wheel Disc No.	272-10579	344-10568	189-10583	198-10583	142-10559	216-10570	349-51916	040-63302			
	vii.	R.B. Nos.	35903	36588	36025	00054	00113	36509	36160	35940			
	viii.	R.B. Make	TIMKEN		TIMKEN		TIMKEN		TIMKEN				
	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.	BPS-2013-47	BPS-2013-213		BPS-2013-39	BPS-2013-207		BPS-2013-94	BPS-2013-219		BPS-2013-69	BPS-2013-19	
ii.	Ht. attest load	512	468		515	466		510	468		511	466	
iii.	Align .deviation	4	18		1	20		4	37		3	38	
12.3	Items traceability:												
	Sno.	Item				PP Side Bogie			NPP side Bogie			Make	
	i.	Primary Outer Spring				BPS-2013			BPS-2013			BPS	
	ii.	Primary inner Spring				BPS-2013			BPS-2013			BPS	
	iii.	Primary Damper										KONI	
	iv.	Secondary damper										SACHS	
	v.	Lateral Damper										SACHS	
	vi.	Yaw Damper										NIL	
	vii.	Brake cylinder & Caliper										KBI	
	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	



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Form No. : QMF 9454; Version: 1

1.	SHELL No.	4048	DISPATCH DATE				16.10.2014
2.	Railway	NER	Type	LWACCN	Coach No.	14122	
3.	Booked to	SSE/C&W/GKP					
4.	Tare Weight of Coach	45.6 T					
5.	Carrying Capacity	Seating	72	Sleeping	72	Luggage	NIL
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	NIL		
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	3.80 ± 0.15 Kg/cm ²	3.80		
			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	NEROLAC	86/87		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:			Make			
	i.	BRAKE EQUIPMENT	FAIVELEY				
	ii.	CDTS/ BIO TOILET	DARSHAN				
	iii.	SEATS/ BERTHS	AAR KAY FOAMS				
	iv.	BODY SIDE DOOR	SUKATA				
	v.	VESTIBULE SLIDING DOOR	JBM				
	vi.	SALOON DOOR	NA				
	vii.	WATER TANKS	SHIVALIK, AMIT & SHIVALIK				
	viii.	UIC VESTIBULE	KRP				
	ix	FLOOR BOARD	TAYAL				
	X	PVC	RESPONSIVE				
10.							
	10.1	Modification / Trail (if any):	FITTED WITH BIO DIGESTER OF M/s RAIL FAB				
	10.2	Deviations if any:	NIL				



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12.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date			
			4048	NER	LACCN	14122	04-09-2014			
12.1	Wheel & Axle Details:		PP Side				NPP Side			
	i.	Bogie No.	146765				146766			
	ii.	Frame No.	FIAT-3417				FIAT-3423			
	iii.	Bolster No.	4071-VT				4159-GT			
	iv.	Axle No.	W-4648		Z-3824		128073/984		Z-3585	
	v.	Wheel Dia.	915.00	915.50	917.00	917.00	917.00	917.00	915.00	915.00
	vi.	Wheel Disc No.	313-11610	085-10533	298-11611	187-11685	339-10582	079-63309	199-10559	323-11605
	vii.	R.B. Nos.	36262	34482	01053	36273	036410	36332	00944	36144
	viii.	R.B. Make	TIMKEN		TIMKEN		TIMKEN		TIMKEN	
	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-13-4-814	G-13-3-4396	G13-4-728	G-12-10-4116	G13-4-746	G12-10-4117	G-13-4-800	G12-10-3824	
ii.	Ht. attest load	513	468	512	466	513	466	513	467	
iii.	Align .deviation	21	19	19	18	22	4	20	1	
12.3	Items traceability:									
	Sno.	Item	PP Side Bogie			NPP side Bogie			Make	
	i.	Primary Outer Spring	G-10-12			G-10-12			GF	
	ii.	Primary inner Spring	G-5-12			G-5-12			GF	
	iii.	Primary Damper							KONI	
	iv.	Secondary damper							GEREP	
	v.	Lateral Damper							KONI	
	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							EMSON	
	xviii.	Ball joint roll link							SARITA	
	xix.	Fork make							EMSON	
12.4	i.	Modification / Trial (if any):				NIL				
	ii.	Deviations (if any):				NIL				

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Form No. : QMF 9454; Version: 1

1.	SHELL No.	4067	DISPATCH DATE			18.10.2014	
2.	Railway	NER	Type	LWACCN	Coach No.	14123	
3.	Booked to	SSE/C&W/GKP					
4.	Tare Weight of Coach	45.6 T					
5.	Carrying Capacity	Seating	72	Sleeping	72	Luggage	NIL
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	NIL		
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	3.80 ± 0.15 Kg/cm ²	3.80		
			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	NEROLAC	87/86		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:			Make			
	i.	BRAKE EQUIPMENT		FAIVELEY			
	ii.	CDTS/ BIO TOILET		ESCORTS			
	iii.	SEATS/ BERTHS		AAR KAY FOAMS			
	iv.	BODY SIDE DOOR		JBM, SUKATA			
	v.	VESTIBULE SLIDING DOOR		JBM			
	vi.	SALOON DOOR		NA			
	vii.	WATER TANKS		SHIVALIK, KUTEER			
	viii.	UIC VESTIBULE		KRP			
	ix	FLOOR BOARD		TAYAL			
	X	PVC		RESPONSIVE			
10.	Modification / Trail (if any):		FITTED WITH BIO DIGESTER OF M/s RAIL FAB				
	10.1	Deviations if any:	NIL				



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12.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date			
			4067	NER	LWACCN	14123	25-09-2014			
12.1	Wheel & Axle Details:		PP Side				NPP Side			
	i.	Bogie No.	146819				146820			
	ii.	Frame No.	FIAT-3459				FIAT-3471			
	iii.	Bolster No.	4197-GT				4209-GT			
	iv.	Axle No.	125749/473		106221/629		128508/983		106701/632	
	v.	Wheel Dia.	916.00	916.00	916.00	916.00	915.50	916.00	916.00	916.00
	vi.	Wheel Disc No.	155-11607	009-10559	185-62319	005-11605	021-10568	114-10570	212-10568	110-61077
	vii.	R.B. Nos.	35939	36486	00454	34328	01521	00866	35829	36495
	viii.	R.B. Make	TIMKEN		TIMKEN		TIMKEN		TIMKEN	
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-12-8-455	G-13-3-4285	G12-8-444	G13-3-4202	G12-8-467	G13-3-4297	G12-8-463	G13-3-4247	
ii.	Ht. attest load	510	466	512	466	514	466	512	467	
iii.	Align .deviation	22	21	20	22	17	15	21	12	
12.3	Items traceability:									
	Sno.	Item	PP Side Bogie			NPP side Bogie		Make		
	i.	Primary Outer Spring	L&S-03-13			L&S-03-13		L&S		
	ii.	Primary inner Spring	L&S-05-12			L&S-05-12		L&S		
	iii.	Primary Damper						SACHS		
	iv.	Secondary damper						SACHS		
	v.	Lateral Damper						KONI		
	vi.	Yaw Damper						NIL		
	vii.	Brake cylinder & Caliper						FTI		
	viii.	Brake Disc						KBI		
	ix.	Ball joint Control arm						SGA		
	x.	Lateral Bump stop						MTC		
	xi.	Traction center make						SARITA		
	xii.	Traction lever make						SARITA		
	xiii.	Ball joint traction lever						GMT		
	xiv.	Traction centre elastic						MTC		
	xv.	Secondary rubber pad						TESPAK		
	xvi.	Rubber spring						GMT		
	xvii.	Anti roll bar make						EMSON		
	xviii.	Ball joint roll link						SARITA		
	xix.	Fork make						SARITA		
12.4	i.	Modification / Trial (if any):				NIL				
	ii.	Deviations (if any):				NIL				

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1.	SHELL No.	4065	DISPATCH DATE				27.10.2014
2.	Railway	NER	Type	LWACCN	Coach No.	14124	
3.	Booked to	SSE/C&W/GKP					
4.	Tare Weight of Coach	45.6 T					
5.	Carrying Capacity	Seating	72	Sleeping	72	Luggage	NIL
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		1104	1105	
v)	Buffer/CBC (Make)		ESCORTS		Fiba Device	NIL	
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		3.80 ± 0.15 Kg/cm ²	3.80	
			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	87/86	
8.2	APPLICATION OF PCN-123		SATISFACTORY				
8.3	INSUALTION		SATISFACTORY				
9.	Traceability of Furnishing Items:		Make				
i.	BRAKE EQUIPMENT		FAIVELEY				
ii.	CDTS/ BIO TOILET		AIKON				
iii.	SEATS/ BERTHS		AAR KAY FOAMS				
iv.	BODY SIDE DOOR		JBM, SUKATA				
v.	VESTIBULE SLIDING DOOR		JBM				
vi.	SALOON DOOR		NA				
vii.	WATER TANKS		SHIVALIK, KUTEER				
viii.	UIC VESTIBULE		KRP				
ix	FLOOR BOARD & LP SHEET		TAYAL & KAE				
X	PVC		RESPONSIVE				
10.							
10.1	Modification / Trail (if any):				FITTED WITH BIO DIGESTER OF M/s RAIL FAB		
10.2	Deviations if any:				NIL		



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12.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date			
			4065	NER	LWACCN	14124	26-09-2014			
12.1	Wheel & Axle Details:		PP Side				NPP Side			
	i.	Bogie No.	146823				146824			
	ii.	Frame No.	FIAT-3457				FIAT-3470			
	iii.	Bolster No.	4201-VT				4198-GT			
	iv.	Axle No.	126455/481		106440/628		126104/475		125969/475	
	v.	Wheel Dia.	916.00	916.00	916.00	916.00	916.00	916.00	916.00	916.00
	vi.	Wheel Disc No.	082-10583	121-10582	012-10579	354-11605	052-10533	024-63302	343-10582	058-10568
	vii.	R.B. Nos.	36497	29992	37714	30936	37045	30542	36464	29980
	viii.	R.B. Make	SKF		SKF		SKF		SLF	
	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-12-8-459	G-12-10-3986	G-12-8-307	G-12-10-3998	G-12-8-453	G-12-10-	G-12-8-304	G-12-10-4129	
ii.	Ht. attest load	513	465	512	467	512	466	512	466	
iii.	Align .deviation	17	15	18	15	19	10	19	9	
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			L&S-02-13		L&S-02-13		L&S	
	iii.	Primary Damper							SACHS	
	iv.	Secondary damper							SACHS	
	v.	Lateral Damper							KONI	
	vi.	Yaw Damper							NIL	
	vii.	Brake cylinder & Caliper							KBI	
	viii.	Brake Disc							KBI	
	ix.	Ball joint Control arm							SGA	
	x.	Lateral Bump stop							MTC,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				



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Form No. : QMF 9454; Version: 1

1.	SHELL No.	4046	DISPATCH DATE			05.11.2014	
2.	Railway	NER	Type	LWACCN	Coach No.	14125	
3.	Booked to	SSE/C&W/GKP					
4.	Tare Weight of Coach	45.6 T					
5.	Carrying Capacity	Seating	72	Sleeping	72	Luggage	NIL
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	NIL	
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		3.80 ± 0.15 Kg/cm ²		3.80
			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		NEROLAC	86/86	
8.2	APPLICATION OF PCN-123		SATISFACTORY				
8.3	INSUALTION		SATISFACTORY				
9.	Traceability of Furnishing Items:		Make				
i.	BRAKE EQUIPMENT		KBI				
ii.	CDTS/ BIO TOILET		VIBHU				
iii.	SEATS/ BERTHS		SAVITRI				
iv.	BODY SIDE DOOR		JBM				
v.	VESTIBULE SLIDING DOOR		JBM				
vi.	SALOON DOOR		NA				
vii.	WATER TANKS		KUTEER & SHIVALIK				
viii.	UIC VESTIBULE		KRP				
ix	FLOOR BOARD		NARBADA				
X	PVC		RESPONSIVE				
10.							
10.1	Modification / Trail (if any):				FITTED WITH BIO DIGESTER OF M/s RAIL FAB		
10.2	Deviations if any:				NIL		



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12.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date			
			4046	NER	LACCN	14125	23-09-2014			
12.1	Wheel & Axle Details:		PP Side				NPP Side			
	i.	Bogie No.	146811				146813			
	ii.	Frame No.	FIAT-3337				FIAT-3448			
	iii.	Bolster No.	4227-VT				4205-VT			
	iv.	Axle No.	126506/481		126964/476		125787/473		129008/986	
	v.	Wheel Dia.	915.00	915.00	916.00	916.00	917.00	917.00	917.00	917.00
	vi.	Wheel Disc No.	180-11600	137-11600	058-11600	266-11605	242-11603	251-10583	356-11605	337-11605
	vii.	R.B. Nos.	01222	01299	01576	00873	00533	00626	35856	35821
	viii.	R.B. Make	TIMKEN		TIMKEN		TIMKEN		TIMKEN	
	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-12-8-425	G-13-3-4352	G-12-8-561	G-13-3-4359	G-12-8-456	G-13-4-4814	G-12-8-345	G-13-4-4964	
ii.	Ht. attest load	511	466	512	465	512	467	513	464	
iii.	Align .deviation	18	20	18	20	20	18	22	16	
12.3	Items traceability:									
	Sno.	Item			PP Side Bogie		NPP side Bogie		Make	
	i.	Primary Outer Spring			G-03-13		L&S-02-13		GF,L&S	
	ii.	Primary inner Spring			G-05-12		L&S-06-12		GF,L&S	
	iii.	Primary Damper							SACHS	
	iv.	Secondary damper							SACHS	
	v.	Lateral Damper							KONI	
	vi.	Yaw Damper							NIL	
	vii.	Brake cylinder & Caliper							KBI	
	viii.	Brake Disc							KBI	
	ix.	Ball joint Control arm							GMT	
	x.	Lateral Bump stop							GMT	
	xi.	Traction center make							SARITA	
	xii.	Traction lever make							SARITA	
	xiii.	Ball joint traction lever							SGA	
	xiv.	Traction centre elastic							MTC	
	xv.	Secondary rubber pad							TESPAK	
	xvi.	Rubber spring							GMT	
	xvii.	Anti roll bar make							EMSON	
	xviii.	Ball joint roll link							SARITA	
	xix.	Fork make							SARITA	
12.4	i.	Modification / Trial (if any):				NIL				
	ii.	Deviations (if any):				NIL				



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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	4079	DISPATCH DATE			11.11.2014	
2.	Railway	NER	Type	LWACCN	Coach No.	14126	
3.	Booked to	SSE/C&W/GKP					
4.	Tare Weight of Coach	45.6 T					
5.	Carrying Capacity	Seating	72	Sleeping	72	Luggage	NIL
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	NIL			
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	3.80 ± 0.15 Kg/cm ²	3.80			
		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	89/88			
8.2	APPLICATION OF PCN-123	SATISFACTORY					
8.3	INSUALTION	SATISFACTORY					
9.	Traceability of Furnishing Items:	Make					
i.	BRAKE EQUIPMENT	FAIVELEY					
ii.	CDTS/ BIO TOILET	AIKON					
iii.	SEATS/ BERTHS	SAVITRI					
iv.	BODY SIDE DOOR	JBM, SUKATA					
v.	VESTIBULE SLIDING DOOR	JBM					
vi.	SALOON DOOR	NA					
vii.	WATER TANKS	KUTEER & SHIVALIK					
viii.	UIC VESTIBULE	KRP					
ix	FLOOR BOARD	MAKORE					
X	PVC	RESPONSIVE					
10.							
10.1	Modification / Trail (if any):	FITTED WITH BIO DIGESTER OF M/s RAIL FAB					
10.2	Deviations if any:	NIL					



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12.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date		
			4079		NER		LWACCN		14126		28-10-2014		
12.1	Wheel & Axle Details:		PP Side					NPP Side					
	i.	Bogie No.	146897					146898					
	ii.	Frame No.	FIAT-3519					FIAT-3517					
	iii.	Bolster No.	4277-P					4297-VT					
	iv.	Axle No.	Z-3655		Z-3512			Z-3455		125937/477			
	v.	Wheel Dia.	917.50	917.00	918.00	917.50	918.00	917.50	917.50	917.50	917.50		
	vi.	Wheel Disc No.	271-11603	248-11603	250-11603	135-11603	325-11603	335-11603	252-16339	307-11603			
	vii.	R.B. Nos.	02819	32349	32158	31728	32150	32140	32182	32032			
	viii.	R.B. Make	SKF			SKF		TIMKEN		TIMKEN			
	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	Outer	Inner		
i.	Make & nos.	YR-13-12-003	YR-13-11-82	YR-13-12-004	YR-13-11-84	YR-13-12-019	YR-13-11-75	YR-13-12-002	YR-13-11-80				
ii.	Ht. attest load	511	466.50	512.70	466.50	510.20	463.20	512.60	466.40				
iii.	Align .deviation	5.09	35	9.13	33	9.01	27.69	8.78	29.26				
12.3	Items traceability:												
	Sno.	Item			PP Side Bogie			NPP side Bogie			Make		
	i.	Primary Outer Spring			YR-13-11			YR-13-11			YR		
	ii.	Primary inner Spring			YR-13-12			YR-13-12			YR		
	iii.	Primary Damper									KONI		
	iv.	Secondary damper									SACHS		
	v.	Lateral Damper									KONI		
	vi.	Yaw Damper									NIL		
	vii.	Brake cylinder & Caliper									FTI		
	viii.	Brake Disc									KBI		
	ix.	Ball joint Control arm									MGN		
	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						

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