



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	4090	DISPATCH DATE			14.01.2015	
2.	Railway	SCR	Type	LWACCN	Coach No.	14139	
3.	Booked to	SSE/C&W/BZA					
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	ADVANCE	88/89		
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		M K PRECISION				
iii.	SEATS/ BERTHS		AAR KAY FOAMS				
iv.	BODY SIDE DOOR		JB, MRC				
v.	VESTIBULE SLIDING DOOR		KALSI				
vi.	SALOON DOOR		NA				
vii.	WATER TANKS		AMIT & SHIVALIK				
viii.	UIC VESTIBULE		CEMCON				
ix	FLOOR BOARD		TAYAL				
X	PVC		PREMIER POLYFIL				
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	
			4090		SCR		LWACCN		14139		26-12-2014	
12.1	Wheel & Axle Details:		PP Side						NPP Side			
	i.	Bogie No.	147059						147060			
	ii.	Frame No.	FIAT-3687						FIAT-3672			
	iii.	Bolster No.	4349-VT						4406-VT			
	iv.	Axle No.	A-2879			A-2869			Z-3059		Z-3670	
	v.	Wheel Dia.	917.00	917.00	917.00	917.00	917.00	917.00	916.50	916.00		
	vi.	Wheel Disc No.	245-16339	234-10583	275-51916	176-51910	260-16339	322-51908	243-16339	038-10582		
	vii.	R.B. Nos.	01434	36600	01490	35879	35775	36349	01584	01541		
	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.	CMFSK-14-02-26	G12-10-4305	CMFSK-14-02-34	G12-10-4328	CMFSK-14-02-49	G12-10-3825	CMFSK-14-02-2	G12-10-4347			
ii.	Ht. attest load	515	466	515	467	514.5	467	515	466			
iii.	Align .deviation	4	20	5	22	6	18	6	19			
12.3	Items traceability:											
	Sno.	Item			PP Side Bogie			NPP side Bogie			Make	
	i.	Primary Outer Spring			13-03			13-03			L&S	
	ii.	Primary inner Spring			12-05			12-05			L&S	
	iii.	Primary Damper									GEREP	
	iv.	Secondary damper									SACHS	
	v.	Lateral Damper									GEREP	
	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									GMT	
	xv.	Secondary rubber pad									TESPAK	
	xvi.	Rubber spring									GMT	
	xvii.	Anti roll bar make									EMSON	
	xviii.	Ball joint roll link									SARITA/MGN	
	xix.	Fork make									EMSON	
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.	4101	DISPATCH DATE			29.01.2015	
2.	Railway	SCR	Type	LWACCN	Coach No.	14142	
3.	Booked to	SSE/C&W/SC					
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	90/90		
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			ESCORTS			
iii.	SEATS/ BERTHS			AAR KAY FOAMS			
iv.	BODY SIDE DOOR			JBM, SUKATA			
v.	VESTIBULE SLIDING DOOR			KALSI			
vi.	SALOON DOOR			NA			
vii.	WATER TANKS			AMIT & SHIVALIK			
viii.	UIC VESTIBULE			CEMCON			
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			
		4101	SCR	LWACCN	14142	17-01-2015			
12.1	Wheel & Axle Details:	PP Side				NPP Side			
	i. Bogie No.	156050				156051			
	ii. Frame No.	FIAT-3690				FIAT-3657			
	iii. Bolster No.	100/VTC/ASR				4269-VT			
	iv. Axle No.	C-4421		Z-3284		A-3075		Z-3297	
	v. Wheel Dia.	916.00	916.00	916.00	916.00	917.00	917.00	916.00	916.00
	vi. Wheel Disc No.	095-62314	056-63309	07745-00085	07745-00084	109-11605	187-11601	111-57912	008-62321
	vii. R.B. Nos.	02071	01928	03305	01113	02791	01575	02904	00851
	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.	FSK-14-02-08	G-12-8-2958	FSK-14-02-63	G-12-8-2709	FSK-14-02-18	G-12-8-2932	FSK-14-02-76	G-12-8-5403
	ii. Ht. attest load	514	465	512	466	515	467	515	468
	iii. Align .deviation	5	20	5	21	4	11	4	13
12.3	Items traceability:								
	Sno.	Item			PP Side Bogie		NPP side Bogie		Make
	i.	Primary Outer Spring			L&S-13-02		L&S-13-02		L&S
	ii.	Primary inner Spring			L&S-12-05		L&S-12-05		L&S
	iii.	Primary Damper							KONI
	iv.	Secondary damper							GEREP
	v.	Lateral Damper							GEREP
	vi.	Yaw Damper							NIL
	vii.	Brake cylinder & Caliper							KBI
	viii.	Brake Disc							KBI
	ix.	Ball joint Control arm							MGN
	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.	4097	DISPATCH DATE			10.02.2015	
2.	Railway	SCR	Type	LWACCN	Coach No.	14144	
3.	Booked to	SSE/C&W/BZA					
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	KBI				
	ii.	CDTS/ BIO TOILET	ESCORTS				
	iii.	SEATS/ BERTHS	AAR KAY FOAMS				
	iv.	BODY SIDE DOOR	JBM, MRC				
	v.	VESTIBULE SLIDING DOOR	KALSI				
	vi.	SALOON DOOR	NA				
	vii.	WATER TANKS	AMIT & SHIVALIK				
	viii.	UIC VESTIBULE	KRP				
	ix	FLOOR BOARD	ORIENTAL				
	X	PVC	PREMIER POLYFILM				
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	
			4097		SCR		LWACCN		14144		20-01-2015	
12.1	Wheel & Axle Details:		PP Side						NPP Side			
	i.	Bogie No.	156058						156059			
	ii.	Frame No.	FIAT-3728						FIAT-3736			
	iii.	Bolster No.	4388-VT						4451-GT			
	iv.	Axle No.	Z-3244			A-3058			C-4770		A-2913	
	v.	Wheel Dia.	916.00	916.00	916.00	916.00	916.00	916.00	916.00	916.00	916.00	
	vi.	Wheel Disc No.	282-11607	105-11605	010-63301	136-11610	099-63305	154-62314	092-11607	075-11607		
	vii.	R.B. Nos.	02782	02850	02802	02815	02899	02766	02797	02806		
	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	Outer	Inner	
i.	Make & nos.	CMGBD-14-01-23	G-12-8-3010	CMGBD-14-01-28	G-12-8-3154	CMGBD-14-01-33	G-12-8-2731	CMGBD-14-01-35	G-12-8-3153			
ii.	Ht. attest load	514	466	513	467	512	466	514	465			
iii.	Align .deviation	8	11	8	9	9	25	9	27			
12.3	Items traceability:											
	Sno.	Item			PP Side Bogie			NPP side Bogie		Make		
	i.	Primary Outer Spring			G-12-6			G-12-6		GF		
	ii.	Primary inner Spring			G-12-5			G-12-5		GF		
	iii.	Primary Damper								KONI		
	iv.	Secondary damper								GEREP		
	v.	Lateral Damper								GEREP		
	vi.	Yaw Damper								NIL		
	vii.	Brake cylinder & Caliper								KBI		
	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								GMT,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.	4095	DISPATCH DATE			10.02.2015
2.	Railway	SCR	Type	LWACCN	Coach No.	14145
3.	Booked to	SSE/C&W/BZA				
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	90/90	
	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	ESCORTS			
	iii.	SEATS/ BERTHS	SAVITRI			
	iv.	BODY SIDE DOOR	JBM, SUKATA			
	v.	VESTIBULE SLIDING DOOR	KALSI			
	vi.	SALOON DOOR	NA			
	vii.	WATER TANKS	AMIT & SHIVALIK			
	viii.	UIC VESTIBULE	FRIKMART			
	ix	FLOOR BOARD	NARBADA			
	X	PVC	RESPONSIVE			
10.	Modification / Trail (if any):					FITTED WITH BIO DIGESTER OF M/s RAIL FAB
	10.1	Deviations if any:				NIL



रेल डिब्बा कारखाना, कपूरथला
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12.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			4095		SCR		LWACCN		14145		01-11-2014	
12.1	Wheel & Axle Details:		PP Side						NPP Side			
	i.	Bogie No.	146913						146914			
	ii.	Frame No.	FIAT-3525						FIAT-3550			
	iii.	Bolster No.	4013-P						3951-P			
	iv.	Axle No.	RWF-110056		Z-3828		129094/199		Z-3716			
	v.	Wheel Dia.	917.00	917.00	917.00	917.00	917.00	917.00	917.00	917.00	917.00	
	vi.	Wheel Disc No.	156-10579	143-11611	320-10579	159-11600	116-11607	232-10570	068-10568	161-63302		
	vii.	R.B. Nos.	36767	36169	36447	36268	36769	36188	37988	36673		
	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	Outer	Inner	
i.	Make & nos.	YR-13-12-042	YR-13-11-49	YR-13-12-014	YR-13-11-35	YR-13-12-043	YR-13-11-29	YR-13-12-052	YR-13-11-31			
ii.	Ht. attest load	512.00	464.60	510.10	464.60	515.00	465.80	511.50	463.00			
iii.	Align .deviation	8.36	18.60	7.19	19.64	6.73	30.23	4.77	35.59			
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							KBI			
	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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1.	SHELL No.	4094	DISPATCH DATE			13.02.2015	
2.	Railway	SCR	Type	LWACCN	Coach No.	14141	
3.	Booked to		SSE/C&W/BZA				
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		ADVANCE	87/88	
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					M K PRECISION	
iii.	SEATS/ BERTHS					AAR KAY FOAMS	
iv.	BODY SIDE DOOR					JBM, MRC	
v.	VESTIBULE SLIDING DOOR					KALSI	
vi.	SALOON DOOR					NA	
vii.	WATER TANKS					AMIT & SHIVALIK	
viii.	UIC VESTIBULE					CEMCON	
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	
			4094		SCR		LWACCN		14141		09-01-2015	
12.1	Wheel & Axle Details:		PP Side						NPP Side			
	i.	Bogie No.	147075						147076			
	ii.	Frame No.	FIAT-3645						FIAT-3682			
	iii.	Bolster No.	3806-GT						4176-GT			
	iv.	Axle No.	A-2942			C-3962			A-3062		A-3066	
	v.	Wheel Dia.	917.00	917.00	917.00	917.00	917.00	917.00	917.00	917.00	917.00	
	vi.	Wheel Disc No.	091-11607	383-16339	210-11607	302-11610	318-51908	277-16339	003-51916	029-51912		
	vii.	R.B. Nos.	36093	00983	36322	00889	37737	01174	36227	01169		
	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-13-3-0709	G-13-3-4547	G-13-3-0655	G-13-3-4380	G-13-3-0706	G13-3-4415	G-13-3-0696	G-13-3-4388		
ii.	Ht. attest load		511	465	511	466	513	467	511	466		
iii.	Align .deviation		17	17	17	20	18	14	16	9		
12.3	Items traceability:											
	Sno.	Item			PP Side Bogie		NPP side Bogie		Make			
	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							KONI			
	iv.	Secondary damper							SACHS			
	v.	Lateral Damper							GEREP			
	vi.	Yaw Damper							NIL			
	vii.	Brake cylinder & Caliper							KBI			
	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,SGA			
	xiv.	Traction centre elastic							SGA			
	xv.	Secondary rubber pad							TESPAK			
	xvi.	Rubber spring							GMT			
	xvii.	Anti roll bar make							EMSON,SARITA			
	xviii.	Ball joint roll link							SARITA			
	xix.	Fork make							SARITA,EMSON			
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.	4089	DISPATCH DATE			13.02.2015
2.	Railway	SCR	Type	LWACCN	Coach No.	14146
3.	Booked to	SSE/C&W/BZA				
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	88/88	
	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			AAR KAY FOAMS	
	iv.	BODY SIDE DOOR			JBM, SUKATA	
	v.	VESTIBULE SLIDING DOOR			KALSI	
	vi.	SALOON DOOR			NA	
	vii.	WATER TANKS			AMIT & SHIVALIK	
	viii.	UIC VESTIBULE			FRIKMART	
	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	
			4089		SCR		LWACCN		14146/C		27-01-2015	
12.1	Wheel & Axle Details:		PP Side						NPP Side			
	i.	Bogie No.	156080						156081			
	ii.	Frame No.	SCI-FM-95						SCI-FM-92			
	iii.	Bolster No.	9350-VT						4162-GT			
	iv.	Axle No.	B-9890			C-0079			C-4574		C-4418	
	v.	Wheel Dia.	916.00	916.00	917.00	917.00	917.00	917.00	915.00	915.00		
	vi.	Wheel Disc No.	333-63307	322-11611	236-63302	196-10579	304-63309	332-10579	182-11611	038-63309		
	vii.	R.B. Nos.	03075	02798	03369	03400	02975	03461	03203	03349		
	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.	CMDDBD-14-8-836-121	G-12-8-2817	CMDDBD-14-8-836-101	G-12-8-2830	CMDDBD-14-8-836-95	G-12-8-3141	CMDDBD-14-8-836-48	G-12-8-3146			
ii.	Ht. attest load	510	467	515	467	514	466	515	467			
iii.	Align .deviation	9	19	8	16	9	19	10	21			
12.3	Items traceability:											
	Sno.	Item			PP Side Bogie		NPP side Bogie		Make			
	i.	Primary Outer Spring			HZ		HZ		HZ			
	ii.	Primary inner Spring			HZ		HZ		HZ			
	iii.	Primary Damper							KONI			
	iv.	Secondary damper							GEREP			
	v.	Lateral Damper							GEREP			
	vi.	Yaw Damper							NIL			
	vii.	Brake cylinder & Caliper							KBI			
	viii.	Brake Disc							KBI			
	ix.	Ball joint Control arm							MGN			
	x.	Lateral Bump stop							GMT			
	xi.	Traction center make							SARITA,EMSON			
	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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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	4092	DISPATCH DATE			03.02.2015	
2.	Railway	SCR	Type	LWACCN	Coach No.	14143	
3.	Booked to		SSE/C&W/BZA				
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	ADVANCE	88/87		
	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				M K PRECISION	
	iii.	SEATS/ BERTHS				AAR KAY FOAMS	
	iv.	BODY SIDE DOOR				JBM, SUKATA	
	v.	VESTIBULE SLIDING DOOR				KALSI	
	vi.	SALOON DOOR				NA	
	vii.	WATER TANKS				AMIT & SHIVALIK	
	viii.	UIC VESTIBULE				CEMCON	
	ix	FLOOR BOARD				TAYAL	
	X	PVC				PREMIER POLYFILM	
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	
			4092		SCR		LWACCN		14143		17-01-2015	
12.1	Wheel & Axle Details:		PP Side						NPP Side			
	i.	Bogie No.	156052						156053			
	ii.	Frame No.	FIAT-3724						FIAT-3717			
	iii.	Bolster No.	4425-VT						4416-VT			
	iv.	Axle No.	A-2951			B-9904			C-4096		B-9633	
	v.	Wheel Dia.	916.00	916.00	916.00	916.00	916.00	916.00	916.00	916.00	916.00	
	vi.	Wheel Disc No.	017-62321	138-62323	002-61077	037-10582	048-63302	00056-7742	042-63302	00058-7742		
	vii.	R.B. Nos.	02231	02350	02353	02616	02792	03389	03161	03145		
	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.	CMGBD-14-01--1	G-13-4-3123	CMGBD-14-01-11	G-13-4-4624	CMGBD-14-01-21	G-13-4-2980	CMGBD-14-01-20	G-13-4-2678			
ii.	Ht. attest load	515	466	516	467	515	466	514	466			
iii.	Align .deviation	4	18	4	17	5	20	5	25			
12.3	Items traceability:											
	Sno.	Item			PP Side Bogie		NPP side Bogie		Make			
	i.	Primary Outer Spring			G-12-6		G-12-6		GF			
	ii.	Primary inner Spring			G-12-5		G-12-5		GF			
	iii.	Primary Damper							KONI			
	iv.	Secondary damper							GEREP			
	v.	Lateral Damper							GEREP			
	vi.	Yaw Damper							NIL			
	vii.	Brake cylinder & Caliper							KBI			
	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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Form No. : QMF 9454; Version: 1

1.	SHELL No.	4091	DISPATCH DATE			19.02.2015	
2.	Railway	SCR	Type	LWACCN	Coach No.	14140	
3.	Booked to	SSE/C&W/BZA					
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	ADVANCE	88/88		
	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	AAR KAY FOAMS				
	iv.	BODY SIDE DOOR	JBM, MRC				
	v.	VESTIBULE SLIDING DOOR	KALSI				
	vi.	SALOON DOOR	NA				
	vii.	WATER TANKS	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	
			4091		SCR		LWACCN		14140		08-01-2015	
12.1	Wheel & Axle Details:		PP Side					NPP Side				
	i.	Bogie No.	147069					147072				
	ii.	Frame No.	FIAT-3678					FIAT-3683				
	iii.	Bolster No.	3882-VT					4424-VT				
	iv.	Axle No.	A-2814		A-3091			Z-3466		Z-3058		
	v.	Wheel Dia.	916.00	916.00	916.00	916.00	917.00	917.00	917.00	917.00		
	vi.	Wheel Disc No.	071-11610	204-11605	231-11596	198-11596	240-11607	237-11596	250-16339	270-16339		
	vii.	R.B. Nos.	02966	02891	03259	02883	02915	36082	03335	35750		
	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.	CMFSK-14-2-135	G-10-12-4163	CMFSK-14-2-57	G-10-12-4190	CMFSK-14-2-91	G-10-12-3771	CMFSK-14-2-39	G-10-12-3836			
ii.	Ht. attest load	514	465	513	465	511	466	514.50	466			
iii.	Align .deviation	6	15	5	14	4	12	3	11			
12.3	Items traceability:											
	Sno.	Item			PP Side Bogie		NPP side Bogie		Make			
	i.	Primary Outer Spring			L&S-13-2		L&S-13-2		L&S			
	ii.	Primary inner Spring			L&S-12-5		L&S-12-5		L&S			
	iii.	Primary Damper							GEREP			
	iv.	Secondary damper							SACHS			
	v.	Lateral Damper							GEREP			
	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							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.	4104	DISPATCH DATE			04.03.2015	
2.	Railway	SCR	Type	LWACCN	Coach No.	14147	
3.	Booked to	SSE/C&W/BZA					
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.	PAINING DEATAILS:	TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE			
8.1	PAINT	PU PAINT	VIBGYOR	88/89			
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					ESCORTS	
iii.	SEATS/ BERTHS					SAVITRI	
iv.	BODY SIDE DOOR					SUKATA	
v.	VESTIBULE SLIDING DOOR					KALSI	
vi.	SALOON DOOR					NA	
vii.	WATER TANKS					AMIT & SHIVALIK	
viii.	UIC VESTIBULE					FRIKMART	
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	
			4104		SCR		LWACCN		14147		28-01-2015	
12.1	Wheel & Axle Details:		PP Side						NPP Side			
	i.	Bogie No.	156082						156083			
	ii.	Frame No.	FIAT-3740						FIAT-3745			
	iii.	Bolster No.	4470-VT						4314-VT			
	iv.	Axle No.	C-4014			C-3963			C-9950		C-8418	
	v.	Wheel Dia.	916.00	916.00	916.00	916.00	916.00	916.00	916.50	917.00		
	vi.	Wheel Disc No.	244-63301	169-10583	144-10583	162-63307	025-62314	095-63302	073-63309	102-11600		
	vii.	R.B. Nos.	01123	03424	03758	02180	01728	00844	03094	02983		
	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.	CMGBD-14-8-24	G-12-8-3098	CMGBD-14-8-34	G-12-8-2857	CMGBD-14-8	G-12-8-3150	CMGBD-14-8	G-12-8-3102			
ii.	Ht. attest load	515	468	515	467	514	465	510	465			
iii.	Align .deviation	6	25	7	27	7	11	7	13			
12.3	Items traceability:											
	Sno.	Item			PP Side Bogie		NPP side Bogie		Make			
	i.	Primary Outer Spring			HZ-12		HZ-12		HZ			
	ii.	Primary inner Spring			HZ-12		HZ-12		HZ			
	iii.	Primary Damper							KONI			
	iv.	Secondary damper							GEREP			
	v.	Lateral Damper							GEREP			
	vi.	Yaw Damper							NIL			
	vii.	Brake cylinder & Caliper							KBI			
	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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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	4036	DISPATCH DATE			16.01.2015	
2.	Railway	SCR	Type	LWACCN	Coach No.	14137	
3.	Booked to	SSE/C&W/SC					
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	88/88		
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			ESCORTS			
iii.	SEATS/ BERTHS			AAR KAY FOAMS			
iv.	BODY SIDE DOOR			JBM, MRC			
v.	VESTIBULE SLIDING DOOR			KALSI			
vi.	SALOON DOOR			NA			
vii.	WATER TANKS			AMIT & SHIVALIK			
viii.	UIC VESTIBULE			CEMCON			
ix	FLOOR BOARD			TAYAL/ 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			
		4036	SCR	LWACCN	14137/C	10-01-2015			
12.1	Wheel & Axle Details:	PP Side				NPP Side			
	i. Bogie No.	147058				147057			
	ii. Frame No.	FIAT-3664				FIAT-3692			
	iii. Bolster No.	4418-VT				4137-BT			
	iv. Axle No.	Z-3010		Z-3263		Z-3603		A-2858	
	v. Wheel Dia.	915.50	915.00	915.00	915.00	916.00	916.00	915.50	915.50
	vi. Wheel Disc No.	072-10582	016-51916	047-11611	079-10559	257-11611	239-51912	041-10559	250-51915
	vii. R.B. Nos.	02770	03331	02835	03290	01475	014783	01272	01183
	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.	CMFSK-14-2-11	G-12-10-4189	CMFSK-14-2-29	G-12-10-4047	CMFSK-14-2-24	G-12-10-4026	CMFSK-14-2-86	G-12-10-4165
	ii. Ht. attest load	512	466	515	466	513	467	514	467
	iii. Align .deviation	3	17	3	17	5	16	4	16
12.3	Items traceability:								
	Sno.	Item		PP Side Bogie		NPP side Bogie		Make	
	i.	Primary Outer Spring		L&S-13-3		L&S-13-3		L&S	
	ii.	Primary inner Spring		L&S-12-5		L&S-12-5		L&S	
	iii.	Primary Damper						GEREP	
	iv.	Secondary damper						SACHS	
	v.	Lateral Damper						GEREP	
	vi.	Yaw Damper						NIL	
	vii.	Brake cylinder & Caliper						FTI	
	viii.	Brake Disc						KBI	
	ix.	Ball joint Control arm						GMT,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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