



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	5067	DISPATCH DATE				19.12.2015
2.	Railway	ECR	Type	LWSCN1	Coach No.	15239	
3.	Booked to		SSE/C&W/JYG				
4.	Tare Weight of Coach		41.239 T				
5.	Carrying Capacity	Seating	80	Sleeping	80	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	1100	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	86/88		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:					Make	
	I	BRAKE EQUIPMENT				FAIVELEY	
	ii	SEAT & BERTH				SAVITRI	
	lii	BODY SIDE DOORS				SUKATA	
	lv	WATER TANKS				KUTEER & SHIVALIK	
	v	FLOOR BOARD				TAYAL	
	vi	PVC FLOORING				RESPONSIVE	
	vii	UIC VESTIBULE				ESCORTS	
	viii	VESTIBULE SLIDING DOOR				KALSI	
	IX	CDTS/BIO TOILET				RAIL FAB	
10.							
	10.1	Modification / Trail (if any):				NIL	
	10.2	Deviations if any:				NIL	



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11.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			5067		EC		LSCN		15239		04-12-2015	
11.1	Wheel & Axle Details:		PP Side						NPP Side			
	i.	Bogie No.	156932						156933			
	ii.	Frame No.	FIAT-4357						FIAT-4358			
	iii.	Bolster No.	1749-GT						091-GT/ASR			
	iv.	Axle No.	129368/982		125588/377		126108/471		126538/481			
	v.	Wheel Dia.	917.00	917.00	917.00	917.00	917.00	917.00	917.00	917.00	917.00	917.00
	vi.	Wheel Disc No.	6228-00055	6225-00125	6225-00053	06228-00054	6228-00162	6225-00084	6225-00173	6225-00040	6225-00040	6225-00040
	vii.	R.B. Nos.	01483	01664	02373	01107	02729	01356	02792	01198	01198	01198
	viii.	R.B. Make	TIMKEN		TIMKEN		TIMKEN		TIMKEN		TIMKEN	
	ix.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING									
11.2	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.	DN-14-10-904	DN-14-10-709	DN-14-10-1042	DN-14-9-7	DN-14-10-1060	DN-14-10-171	DN-14-10-1130	DN-14-10-708			
ii.	Ht. at test load	515	470	516	471	515	471	516	471			
iii.	Align .deviation	8	11	12	12	12	7	15	8			
11.3	Items traceability:											
	Sno.	Item			PP Side Bogie			NPP side Bogie			Make	
	i.	Primary Outer Spring			G-14-11			G-14-11			GF	
	ii.	Primary inner Spring			G-14-12			G-14-12			GF	
	iii.	Primary Damper			266,258,265,0190			285,0189,267,276			KBI	
	iv.	Secondary damper			997,1374			1011,1206			GEREP	
	v.	Lateral Damper			067			43			KBI	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper			L15038/600,L15001/600 L15028/600,L15017/600			K15183/600,L15015/600 L15036/600,K15202/600			FTI	
	viii.	Brake Disc									FTI	
	ix.	Ball joint Control arm									MGN	
	x.	Lateral Bump stop									MGN	
	xi.	Traction center make									SARITA	
	xii.	Traction lever make									SARITA	
	xiii.	Ball joint traction lever									MGN	
	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	
11.4	i.	Modification / Trial (if any):										NIL
	ii.	Deviations (if any):										NIL

LWSCN-5067



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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	5038	DISPATCH DATE				18.12.2015
2.	Railway	ECR	Type	LWSCN1	Coach No.	15237	
3.	Booked to	SSE/C&W/JYG					
4.	Tare Weight of Coach	41.239 T					
5.	Carrying Capacity	Seating	80	Sleeping	80	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	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	86/87		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:			Make			
	i	BRAKE EQUIPMENT		FAIVELEY			
	ii	SEAT & BERTH		SAVITRI			
	iii	BODY SIDE DOORS		JBM,SUKATA			
	iv	WATER TANKS		KUTEER & SHIVALIK			
	v	FLOOR BOARD		TAYAL			
	vi	PVC FLOORING		RESPONSIVE			
	vii	UIC VESTIBULE		ESCORTS			
	viii	VESTIBULE SLIDING DOOR		KALSI			
	IX	CDTS/BIO TOILET		RAIL FAB			
10.							
	10.1	Modification / Trail (if any):			NIL		
	10.2	Deviations if any:			NIL		

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11.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date		
			5038		EC		LSCN		15237/C		27-11-2015		
11.1	Wheel & Axle Details:		PP Side				NPP Side						
	i.	Bogie No.	156910				156911						
	ii.	Frame No.	FIAT-4423				FIAT-4466						
	iii.	Bolster No.	5261-P				5289-P						
	iv.	Axle No.	126333/474		126459/481		114514/370		129264/987				
	v.	Wheel Dia.	916.00	916.00	917.00	917.00	917.00	917.00	917.00	917.00	917.00	917.00	
	vi.	Wheel Disc No.	06228-00141	06228-00034	7172-00111	06222-00209	6228-00011	6228-00031	06228-00112	06228-00115	06228-00115	06228-00115	
	vii.	R.B. Nos.	01135	01831	01211	01342	01528	01608	01150	01150	01150	01165	
	viii.	R.B. Make	TIMKEN		TIMKEN		TIMKEN		TIMKEN				
	ix.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING										
11.2	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.	DN-14-10-1147	DN-14-10-766	DN-14-10-1148	DN-14-7-748	DN-14-11-1013	DN-14-09-761	DN-14-11-1056	DN-14-11-741				
ii.	Ht. at test load	514	472	515	470	513	469	511	470				
iii.	Align .deviation	14	11	14	13	9	10	10	13				
11.3	Items traceability:												
	Sno.	Item			PP Side Bogie			NPP side Bogie			Make		
	i.	Primary Outer Spring			G-14-11			G-14-11			GF		
	ii.	Primary inner Spring			G-14-12			G-14-12			GF		
	iii.	Primary Damper			0227,0311,0230,0381			0208,0336,0310,0380			KNORR		
	iv.	Secondary damper			1269,1166			1368,1260			GEREP		
	v.	Lateral Damper			00027			0050			KNORR		
	vi.	Yaw Damper									NIL		
	vii.	Brake cylinder & Caliper			15167/600,15155/600,15150/600,15160/600			15166/600,15154/600,15163/600,15159/600			FTI		
	viii.	Brake Disc									FTI		
	ix.	Ball joint Control arm									MGN		
	x.	Lateral Bump stop									MGN		
	xi.	Traction center make									EMSON		
	xii.	Traction lever make									SARITA		
	xiii.	Ball joint traction lever									MGN		
	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									SARITA		
11.4	i.	Modification / Trial (if any):						NIL					
	ii.	Deviations (if any):						NIL					



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1.	SHELL No.	5037	DISPATCH DATE				28.11.2015
2.	Railway	ECR	Type	LWSCN1	Coach No.	15238	
3.	Booked to	SSE/C&W/JYG					
4.	Tare Weight of Coach	41.239 T					
5.	Carrying Capacity	Seating	80	Sleeping	80	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	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	85/88		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:			Make			
	i	BRAKE EQUIPMENT		FAIVELEY			
	ii	SEAT & BERTH		SAVITRI			
	iii	BODY SIDE DOORS		SUKATA			
	iv	WATER TANKS		KUTEER & SHIVALIK			
	v	FLOOR BOARD		TAYAL			
	vi	PVC FLOORING		RESPONSIVE			
	vii	UIC VESTIBULE		ESCORTS			
	viii	VESTIBULE SLIDING DOOR		HANSPAL			
	IX	CDTS/BIO TOILET		RAIL FAB			
10.							
	10.1	Modification / Trail (if any):			NIL		
	10.2	Deviations if any:			NIL		



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11.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			5037		ECR		LSCN		15238/C		03-12-2015	
11.1	Wheel & Axle Details:		PP Side				NPP Side					
	i.	Bogie No.	156928				156929					
	ii.	Frame No.	FIAT-4391				FIAT-4383					
	iii.	Bolster No.	5284-P				5296-P					
	iv.	Axle No.	126726/468		125786/473		129392/982		128202/984			
	v.	Wheel Dia.	916.00	916.00	915.00	915.00	915.50	915.50	915.00	915.00	915.00	915.00
	vi.	Wheel Disc No.	7172-00203	7172-00009	7150-00019	7172-00165	7172-00168	7172-00048	7172-00170	06228-00026	00170	00026
	vii.	R.B. Nos.	22563	22718	22591	01916	22557	23137	22585	01920	22585	01920
	viii.	R.B. Make	SKF		SKF		SKF		SKF			
	ix.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING									
11.2	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.		DN-14-10-1039	DN-14-10-809	DN-14-10-1045	DN-14-10-732	DN-14-10-1121	DN-14-10-718	DN-14-10-1071	DN-14-10-705	DN-14-10-705	DN-14-10-705
ii.	Ht. at test load		516	472	515	472	515	472	514	470	470	470
iii.	Align .deviation		15	8	12	6	14	8	14	11	11	11
11.3	Items traceability:											
	Sno.	Item			PP Side Bogie		NPP side Bogie		Make			
	i.	Primary Outer Spring			G-14-11		G-14-11		GF			
	ii.	Primary inner Spring			G-14-12		G-14-12		GF			
	iii.	Primary Damper			0344,0252,127,350		0261,081,123,097		KNORR			
	iv.	Secondary damper			1203,1314		1067,901		GEREP			
	v.	Lateral Damper			089		102		KNORR			
	vi.	Yaw Damper							NIL			
	vii.	Brake cylinder & Caliper			K15035/600,K1520600 L15045/600,L15002/600		L15124/600,L15087/600 L15123/600,L15099/600		FTI			
	viii.	Brake Disc							FTI			
	ix.	Ball joint Control arm							MGN			
	x.	Lateral Bump stop							MGN			
	xi.	Traction center make							SARITA			
	xii.	Traction lever make							SARITA			
	xiii.	Ball joint traction lever							MGN			
	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			
11.4	i.	Modification / Trial (if any):					NIL					
	ii.	Deviations (if any):					NIL					



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Form No. : QMF 9454; Version: 1

1.	SHELL No.	5069	DISPATCH DATE				01.01.2016
2.	Railway	ECR	Type	LWSCN1	Coach No.	15243	
3.	Booked to		SSE/C&W/SPJ				
4.	Tare Weight of Coach		41.239 T				
5.	Carrying Capacity	Seating	80	Sleeping	80	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	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	76/88		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:			Make			
	I	BRAKE EQUIPMENT		ESCORT			
	ii	SEAT & BERTH		SAVITRI			
	iii	BODY SIDE DOORS		SUKATA			
	iv	WATER TANKS		KUTEER & SHIVALIK,MANOJ			
	v	FLOOR BOARD		TAYAL			
	vi	PVC FLOORING		RESPONSIVE			
	vii	UIC VESTIBULE		ESCORTS			
	viii	VESTIBULE SLIDING DOOR		KALSI			
	IX	CDTS/BIO TOILET		RAIL TECH			
10.							
	10.1	Modification / Trail (if any):			NIL		
	10.2	Deviations if any:			NIL		



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11.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			5069		EC		LSCN		15243/C		02-12-2015	
11.1	Wheel & Axle Details:		PP Side						NPP Side			
	i.	Bogie No.	156882						156883			
	ii.	Frame No.	FIAT-4410						FIAT-4428			
	iii.	Bolster No.	5296-P						5252-P			
	iv.	Axle No.	128041/988		129025/986		129205/992		129372/982			
	v.	Wheel Dia.	916.00	916.00	916.00	916.00	916.00	916.00	916.00	916.00	916.00	916.00
	vi.	Wheel Disc No.	6198-00058	06228-00087	7150-00090	6198-00132	06202-00224	7172-00065	06228-00154	6222-00051		
	vii.	R.B. Nos.	06683	05773	38542	38365	05824	38821	06715	06054		
	viii.	R.B. Make	SKF		SKF		SKF		SKF			
	ix.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING									
11.2	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-14-12-068	G-14-12-136	G-14-12-033	G-14-12-007	G-14-12-106	G-14-12-149	G-14-12-016	G-14-12-063			
ii.	Ht. at test load	513	469	514	469	515	470	513	470			
iii.	Align .deviation	3	10	4	13	4	8	5	9			
11.3	Items traceability:											
	Sno.	Item			PP Side Bogie			NPP side Bogie			Make	
	i.	Primary Outer Spring			G-14-11			G-14-11			GF	
	ii.	Primary inner Spring			G-14-12			G-14-12			GF	
	iii.	Primary Damper			0271,0275,0300,0215			0242,0309,0383,0291			KNORR	
	iv.	Secondary damper			1162,1224			28,854			GEREP	
	v.	Lateral Damper			00064			0030			KNORR	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper			29840/16037,30076/16129 29839/16038,30102/16123			29833/16039,29816/16006 29822/16049,29806/16015			ESCORTS	
	viii.	Brake Disc									FTI	
	ix.	Ball joint Control arm									MGN	
	x.	Lateral Bump stop									MGN	
	xi.	Traction center make									EMSON	
	xii.	Traction lever make									SARITA	
	xiii.	Ball joint traction lever									MGN	
	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	
11.4	i.	Modification / Trial (if any):					NIL					
	ii.	Deviations (if any):					NIL					

LSCN-5069



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Form No. : QMF 9454; Version: 1

1.	SHELL No.	5070	DISPATCH DATE				11.01.2016
2.	Railway	ECR	Type	LWSCN1	Coach No.	15245	
3.	Booked to		SSE/C&W/SPJ				
4.	Tare Weight of Coach		41.239 T				
5.	Carrying Capacity	Seating	80	Sleeping	80	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	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	86/88		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:		Make				
	I	BRAKE EQUIPMENT	FAIVELEY				
	ii	SEAT & BERTH	SAVITRI				
	lii	BODY SIDE DOORS	SUKATA				
	lv	WATER TANKS	KUTEER & SHIVALIK,MANOJ				
	v	FLOOR BOARD	TAYAL				
	vi	PVC FLOORING	RESPONSIVE				
	vii	UIC VESTIBULE	ESCORTS				
	viii	VESTIBULE SLIDING DOOR	KALSI				
	IX	CDTS/BIO TOILET	RAIL TECH, RAIL FAB				
10.							
	10.1	Modification / Trail (if any):			NIL		
	10.2	Deviations if any:			NIL		



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11.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			5070		EC		LSCN		15245/C		23-12-2015	
11.1	Wheel & Axle Details:		PP Side						NPP Side			
	i.	Bogie No.	156964						156965			
	ii.	Frame No.	FIAT-4502						FIAT-4506			
	iii.	Bolster No.	5324-VT						5327-VT			
	iv.	Axle No.	129374/982		127936/988		126265/474		125983/475			
	v.	Wheel Dia.	916.00	916.00	916.00	916.00	917.00	917.00	916.0	916.00		
	vi.	Wheel Disc No.	6230-00074	6221-00185	7273-00134	6221-00198	6221-00068	6221-00199	7273-00038	6227-00103		
	vii.	R.B. Nos.	01313	01386	02083	02731	02209	01584	02099	02569		
	viii.	R.B. Make	TIMKEN		TIMKEN		TIMKEN		TIMKEN			
	ix.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING									
11.2	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.	DN-14-11-1133	DN-14-11-749	DN-14-11-1050	DN-14-11-736	DN-14-11-114	DN-14-11-750	DN-14-11-1054	DN-14-11-713			
ii.	Ht. at test load	513	472	515	472	516	471	516	469			
iii.	Align .deviation	12	10	12	11	10	7	11	13			
11.3	Items traceability:											
	Sno.	Item			PP Side Bogie			NPP side Bogie			Make	
	i.	Primary Outer Spring			G-14-11			G-14-11			GF	
	ii.	Primary inner Spring			G-14-3			G-14-3			GF	
	iii.	Primary Damper			1258,1274,1245,1428			1279,1483,1631,1810			GEREP	
	iv.	Secondary damper			NIL			NIL			GEREP	
	v.	Lateral Damper			496			450			GEREP	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper			L15152/600,L15121/600 L15161/600,L15165/600			M15124/600,M15062/600 M15125/600,M15065/600			FTI	
	viii.	Brake Disc									KBI	
	ix.	Ball joint Control arm									MGN	
	x.	Lateral Bump stop									MGN	
	xi.	Traction center make									SARITA	
	xii.	Traction lever make									SARITA	
	xiii.	Ball joint traction lever									MGN	
	xiv.	Traction centre elastic									SGA,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									SARITA,EMSON	
11.4	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.	5076	DISPATCH DATE				13.01.2016
2.	Railway	ECR	Type	LWSCN1	Coach No.	15246	
3.	Booked to		SSE/C&W/SPJ				
4.	Tare Weight of Coach		41.239 T				
5.	Carrying Capacity	Seating	80	Sleeping	80	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	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	86/87		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:		Make				
	I	BRAKE EQUIPMENT	FAIVELEY				
	ii	SEAT & BERTH	SAVITRI				
	iii	BODY SIDE DOORS	SUKATA				
	iv	WATER TANKS	KUTEER & SHIVALIK, PERFECT				
	v	FLOOR BOARD	TAYAL				
	vi	PVC FLOORING	RESPONSIVE				
	vii	UIC VESTIBULE	ESCORTS				
	viii	VESTIBULE SLIDING DOOR	KALSI				
	IX	CDS/BIO TOILET	RAIL TECH				
10.							
	10.1	Modification / Trail (if any):	NIL				
	10.2	Deviations if any:	NIL				



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11.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			5076		EC		LSCN		15246/C		29-12-2015	
11.1	Wheel & Axle Details:		PP Side						NPP Side			
	i.	Bogie No.	156954						156994			
	ii.	Frame No.	FIAT-4501						FIAT-4429			
	iii.	Bolster No.	162-ASR-P						5267-P			
	iv.	Axle No.	126972/476		128913/990		114896/369		128114/984			
	v.	Wheel Dia.	916.00	916.50	916.00	916.00	916.00	916.00	916.00	916.00	916.00	916.00
	vi.	Wheel Disc No.	6221-00183	07301-00119	07301-00115	7273-00192	6221-00102	6221-00184	07301-00116	7222-00061		
	vii.	R.B. Nos.	01239	01760	01213	01112	01762	02057	01575	01647		
	viii.	R.B. Make	TIMKEN		TIMKEN		TIMKEN		TIMKEN			
	ix.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING									
11.2	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.	DN-14-11-1036	G-14-12-107	DN-14-11-1061	G-14-12-100	G-14-12-092	G-14-12-051	G-14-12-078	G-14-12-061			
ii.	Ht. at test load	514	472	514	471	514	472	514	472			
iii.	Align .deviation	11	6	11	7	4	9	4	11			
11.3	Items traceability:											
	Sno.	Item			PP Side Bogie			NPP side Bogie			Make	
	i.	Primary Outer Spring			G-14-11			G-14-11			GF	
	ii.	Primary inner Spring			G-14-12			G-14-12			GF	
	iii.	Primary Damper			588,767,1092,1074			1090,1109,455,576			GEREP	
	iv.	Secondary damper			74,113			122,121			GEREP	
	v.	Lateral Damper			164			54			GEREP	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper			L15028/600,L15192/600 L15047/600.L15003/600			L15133/600,L15170/600 L15135/600,L15152/600			FTI	
	viii.	Brake Disc									KBI	
	ix.	Ball joint Control arm									GMT	
	x.	Lateral Bump stop									MGN	
	xi.	Traction center make									SARITA	
	xii.	Traction lever make									SARITA	
	xiii.	Ball joint traction lever									MGN	
	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	
11.4	i.	Modification / Trial (if any):										NIL
	ii.	Deviations (if any):										NIL

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Form No. : QMF 9454; Version: 1

1.	SHELL No.	5061	DISPATCH DATE				29.12.2015	
2.	Railway	ECR	Type	LWSCN1	Coach No.	15242		
3.	Booked to			SSE/C&W/JYG				
4.	Tare Weight of Coach			41.239 T				
5.	Carrying Capacity	Seating	80	Sleeping	80	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)		FAVELLY		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	85/87	
8.2	APPLICATION OF PCN-123			SATISFACTORY				
8.3	INSUALTION			SATISFACTORY				
9.	Traceability of Furnishing Items:				Make			
I	BRAKE EQUIPMENT				FAVELLY			
ii	SEAT & BERTH				SAVITRI			
iii	BODY SIDE DOORS				SUKATA			
iv	WATER TANKS				KUTEER & SHIVALIK			
v	FLOOR BOARD				TAYAL			
vi	PVC FLOORING				RESPONSIVE			
vii	UIC VESTIBULE				ESCORTS			
viii	VESTIBULE SLIDING DOOR				KALSI			
IX	CDTS/BIO TOILET				RAIL TECH			
10.								
10.1	Modification / Trail (if any):					NIL		
10.2	Deviations if any:					NIL		



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11.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			5061		EC		LSCN		15242/C		11-12-2015	
11.1	Wheel & Axle Details:		PP Side						NPP Side			
	i.	Bogie No.	156956						156957			
	ii.	Frame No.	VS-01						VS-04			
	iii.	Bolster No.	5332-VT						5318-VT			
	iv.	Axle No.	128516/985		128444/983		126524/481		125893/477			
	v.	Wheel Dia.	916.00	916.00	916.00	916.00	916.00	916.00	916.00	916.00		
	vi.	Wheel Disc No.	7172-00031	06228-00122	6192-00015	7150-00169	7150-00074	6222-00063	6192-00203	06228-00018		
	vii.	R.B. Nos.	01392	05118	02736	01219	02369	02561	01399	01149		
	viii.	R.B. Make	TIMKEN		TIMKEN		TIMKEN		TIMKEN			
	ix.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING									
11.2	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.		DN-14-11-1154	G-14-12-094	DN-14-11-1152	G-14-12-080	DN-14-11-1021	G-14-12-010	DN-14-11-1027	G-14-12-072		
ii.	Ht. at test load		514	472	516	471	513	470	513	470		
iii.	Align .deviation		12	11	13	13	10	11	13	11		
11.3	Items traceability:											
	Sno.	Item	PP Side Bogie				NPP side Bogie				Make	
	i.	Primary Outer Spring	G-14-11				G-14-11				GF	
	ii.	Primary inner Spring	G-14-12				G-14-12				GF	
	iii.	Primary Damper	533,523,526,540				461,899,492,726				GEREP	
	iv.	Secondary damper	866,30				836,468				GEREP	
	v.	Lateral Damper	60				348				GEREP	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper	M15122/600,M15107/600 M15123/600,M15079/600				M15060/600,M15098/600 L15139/600,M15099/600				FTI	
	viii.	Brake Disc									KBI	
	ix.	Ball joint Control arm									GMT	
	x.	Lateral Bump stop									MGN	
	xi.	Traction center make									SARITA	
	xii.	Traction lever make									SARITA	
	xiii.	Ball joint traction lever									MGN	
	xiv.	Traction centre elastic									GMT	
	xv.	Secondary rubber pad									WINLANE	
	xvi.	Rubber spring									GMT	
	xvii.	Anti roll bar make									EMSON	
	xviii.	Ball joint roll link									SARITA	
	xix.	Fork make									EMSON	
11.4	i.	Modification / Trial (if any):		NIL								
	ii.	Deviations (if any):		NIL								

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Form No. : QMF 9454; Version: 1

1.	SHELL No.	5063	DISPATCH DATE				29.12.2015
2.	Railway	ECR	Type	LWSCN1	Coach No.	15241	
3.	Booked to		SSE/C&W/JYG				
4.	Tare Weight of Coach		41.239 T				
5.	Carrying Capacity	Seating	80	Sleeping	80	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)	ESCORT	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	85/87		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:					Make	
	I	BRAKE EQUIPMENT				ESCORT	
	ii	SEAT & BERTH				SAVITRI	
	lii	BODY SIDE DOORS				SUKATA	
	lv	WATER TANKS				KUTEER & SHIVALIK	
	v	FLOOR BOARD				TAYAL	
	vi	PVC FLOORING				RESPONSIVE	
	vii	UIC VESTIBULE				ESCORTS	
	viii	VESTIBULE SLIDING DOOR				KALSI	
	IX	CDTS/BIO TOILET				RAIL FAB	
10.							
	10.1	Modification / Trail (if any):				NIL	
	10.2	Deviations if any:				NIL	



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11.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			5063		EC		LSCN		15241/C		07-12-2015	
11.1	Wheel & Axle Details:		PP Side						NPP Side			
	i.	Bogie No.	156827						156828			
	ii.	Frame No.	FIAT-4422						FIAT-4350			
	iii.	Bolster No.	5226-P						5206-P			
	iv.	Axle No.	129021/986		129033/986		126071/475		126142/471			
	v.	Wheel Dia.	916.00	916.00	916.00	916.00	915.50	916.00	916.00	916.00		
	vi.	Wheel Disc No.	06222-00005	06222-00112	6192-00066	7150-00021	6225-00209	6228-00065	6228-00149	6225-00100		
	vii.	R.B. Nos.	29751	21854	29805	06083	05304	05327	05822	02255		
	viii.	R.B. Make	SKF		SKF		SKF		SKF			
	ix.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING									
11.2	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-14-12-027	G-14-12-076	G-14-12-061	G-14-12-093	G-14-12-015	G-14-12-067	G-14-12-10	G-14-12-047			
ii.	Ht. at test load	514	472	513	471	513	470	512	470			
iii.	Align .deviation	3	8	3	8	2	9	3	10			
11.3	Items traceability:											
	Sno.	Item			PP Side Bogie			NPP side Bogie			Make	
	i.	Primary Outer Spring			G-14-11			G-14-11			GF	
	ii.	Primary inner Spring			G-14-12			G-14-12			GF	
	iii.	Primary Damper			25235,25352,25218,25118			25242,25116,25368,25119			KONI	
	iv.	Secondary damper			1448,446			1313,830			GEREP	
	v.	Lateral Damper			262			207			GEREP	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper			29845//16065,29804/16017 29828/16059,29803/16018			29823/16060,29805/16013 29841/16066,29810/16014			ESCORTS	
	viii.	Brake Disc									FTI	
	ix.	Ball joint Control arm									MGN	
	x.	Lateral Bump stop									MGN	
	xi.	Traction center make									SARITA	
	xii.	Traction lever make									SARITA	
	xiii.	Ball joint traction lever									MGN	
	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,SARITA	
11.4	i.	Modification / Trial (if any):						NIL				
	ii.	Deviations (if any):						NIL				

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Form No. : QMF 9454; Version: 1

1.	SHELL No.	5065	DISPATCH DATE				29.12.2015
2.	Railway	ECR	Type	LWSCN1	Coach No.	15240	
3.	Booked to		SSE/C&W/JYG				
4.	Tare Weight of Coach		41.239 T				
5.	Carrying Capacity	Seating	80	Sleeping	80	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	1102	1104		
	v)	Buffer/CBC (Make)	ESCORT	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	86/87		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:		Make				
	I	BRAKE EQUIPMENT	KBI				
	ii	SEAT & BERTH	SAVITRI				
	lii	BODY SIDE DOORS	SUKATA				
	lv	WATER TANKS	KUTEER & SHIVALIK				
	v	FLOOR BOARD	TAYAL				
	vi	PVC FLOORING	RESPONSIVE				
	vii	UIC VESTIBULE	ESCORTS				
	viii	VESTIBULE SLIDING DOOR	KALSI				
	IX	CDTS/BIO TOILET	RAIL FAB				
10.							
	10.1	Modification / Trail (if any):				NIL	
	10.2	Deviations if any:				NIL	



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11.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			5065		ECR		LSCN		15240		09-12-2015	
11.1	Wheel & Axle Details:		PP Side						NPP Side			
	i.	Bogie No.	156950						156951			
	ii.	Frame No.	FIAT-4340						FIAT-4444			
	iii.	Bolster No.	4626-P						169-P/ASR			
	iv.	Axle No.	126259/471		126224/471		128392/983		128810/990			
	v.	Wheel Dia.	916.00	915.50	915.00	915.00	916.00	916.00	916.00	916.00		
	vi.	Wheel Disc No.	06228-00099	7172-00085	6228-00113	6211-00063	7172-00026	6192-00216	6228-00033	6211-00055		
	vii.	R.B. Nos.	22605	29988	29883	01342	01781	02341	29869	02679		
	viii.	R.B. Make	SKF		SKF		SKF		SKF			
	ix.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING									
11.2	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.	DN-14-11-1120	G-14-12-095	DN-14-11-1059	G-14-12-145	DN-14-11-1140	G-14-12-021	DN-14-11-1057	G-14-12-009			
ii.	Ht. at test load	515	472	516	472	515	470	515	471			
iii.	Align .deviation	12	9	13	9	11	10	11	10			
11.3	Items traceability:											
	Sno.	Item			PP Side Bogie			NPP side Bogie			Make	
	i.	Primary Outer Spring			G-14-11			G-14-11			GF	
	ii.	Primary inner Spring			G-14-11			G-14-11			GF	
	iii.	Primary Damper			793,551,699,566			693,543,588,580			GEREP	
	iv.	Secondary damper			1176,1378			1318,1290			GEREP	
	v.	Lateral Damper			293			223			GEREP	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper			1846/691,1907/691, 1845/691,1909/691			1661/691,1923/691 1860/691,1924/691			KBI	
	viii.	Brake Disc									FTI	
	ix.	Ball joint Control arm									GMT	
	x.	Lateral Bump stop									MGN	
	xi.	Traction center make									SARITA	
	xii.	Traction lever make									SARITA	
	xiii.	Ball joint traction lever									MGN	
	xiv.	Traction centre elastic									GMT	
	xv.	Secondary rubber pad									WINLANE	
	xvi.	Rubber spring									GMT	
	xvii.	Anti roll bar make									EMSON	
	xviii.	Ball joint roll link									SARITA	
	xix.	Fork make									EMSON	
11.4	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.	5066	DISPATCH DATE				08.01.2016
2.	Railway	ECR	Type	LWSCN1	Coach No.	15244	
3.	Booked to		SSE/C&W/SPJ				
4.	Tare Weight of Coach		41.239 T				
5.	Carrying Capacity	Seating	80	Sleeping	80	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	1100	1102		
	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	86/87		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:		Make				
	I	BRAKE EQUIPMENT	ESCORT				
	ii	SEAT & BERTH	SAVITRI				
	lii	BODY SIDE DOORS	SUKATA				
	lv	WATER TANKS	KUTEER & SHIVALIK,MANOJ				
	v	FLOOR BOARD	TAYAL				
	vi	PVC FLOORING	RESPONSIVE				
	vii	UIC VESTIBULE	ESCORTS				
	viii	VESTIBULE SLIDING DOOR	KALSI				
	IX	CDTS/BIO TOILET	RAIL TECH				
10.							
	10.1	Modification / Trail (if any):				NIL	
	10.2	Deviations if any:				NIL	



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11.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date			
		5066	EC	LSCN	15244/C	10-12-2015			
11.1	Wheel & Axle Details:	PP Side				NPP Side			
i.	Bogie No.	156825				156826			
ii.	Frame No.	FIAT-4362				FIAT-4394			
iii.	Bolster No.	5024-VT				5008-GT			
iv.	Axle No.	128051/988		126746/468		126263/474		128849/990	
v.	Wheel Dia.	915.00	915.00	917.00	917.00	916.00	916.00	916.50	916.50
vi.	Wheel Disc No.	7150-00061	7150-00109	7150-00018	6222-00104	307-11611	023-10579	6222-00108	6228-00190
vii.	R.B. Nos.	05460	34002	03233	03223	34180	33746	05802	05816
viii.	R.B. Make	SKF		SKF		SKF		SKF	
ix.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING							
11.2	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-14-12-119	G-14-12-034	G-14-12-087	G-14-12-085	G-14-12002-	G-14-12-068	G-14-12-098	G-14-12-070
ii.	Ht. at test load	513	470	515	468	513	472	514	472
iii.	Align .deviation	3	11	1	14	2	12	4	14
11.3	Items traceability:								
	Sno.	Item	PP Side Bogie		NPP side Bogie		Make		
i.		Primary Outer Spring	G-14-11		G-14-11		GF		
ii.		Primary inner Spring	G-14-12		G-14-12		GF		
iii.		Primary Damper	25561,25622,25787,25576		25736,25738,25759,26145		KONI		
iv.		Secondary damper	1156,1155		1300,1274		GEREP		
v.		Lateral Damper	345		358		GEREP		
vi.		Yaw Damper					NIL		
vii.		Brake cylinder & Caliper	29830/16042,29788/16034 29819/16048,29797/16030		29838/16041,29790/16033 29837/16047,29800/16092		ESCORTS		
viii.		Brake Disc					FTI		
ix.		Ball joint Control arm					GMT		
x.		Lateral Bump stop					MGN		
xi.		Traction center make					SARITA		
xii.		Traction lever make					SARITA		
xiii.		Ball joint traction lever					MGN		
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					SARITA		
11.4	i.	Modification / Trial (if any):			NIL				
	ii.	Deviations (if any):			NIL				

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