



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	5027	DISPATCH DATE				29.08.2015
2.	Railway	SCR	Type	LWACCN	Coach No.	15906	
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	APEX	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	ORIENTAL				
	iii.	SEATS/ BERTHS	RAJINDER DASS				
	iv.	BODY SIDE DOOR	SUKATA				
	v.	VESTIBULE SLIDING DOOR	KALSI				
	vi.	SALOON DOOR	KALSI				
	vii.	WATER TANKS	MANOJ, KUTEER				
	viii.	UIC VESTIBULE	SUNCREAST				
	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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11.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date			
			5027	SCR	LACCN	15906	22-08-2015			
11.1	Wheel & Axle Details:		PP Side				NPP Side			
	i.	Bogie No.	156522				156523			
	ii.	Frame No.	FIAT-4173				FIAT-3961			
	iii.	Bolster No.	4929-VT				4883-VT			
	iv.	Axle No.	125988/475		B-9878		126965/476		Z-3042	
	v.	Wheel Dia.	917.00	917.00	916.50	916.50	917.00	917.00	917.00	917.00
	vi.	Wheel Disc No.	6213-00013	6213-00185	6197-00161	6197-00164	6197-00159	6213-00159	6213-00162	6213-00179
	vii.	R.B. Nos.	22379	21281	29585	30115	16663	30096	29671	21187
	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-15-4-082	G-13-4-4572	G-15-4-513	G-13-4-4613	G-15-4-130	G-13-4-4502	G-15-4-151	G-13-4-4480	
ii.	Ht. at test load	513	466	513	465	511	466	511	466	
iii.	Align .deviation	16	17	16	19	17	22	21	28	
11.3	Items traceability:									
	Sno.	Item	PP Side Bogie		NPP side Bogie		Make			
	i.	Primary Outer Spring	RSK-14-5		RSK-14-5		RSK			
	ii.	Primary inner Spring	FSK-15-01		FSK-15-01		FSK			
	iii.	Primary Damper	22327,22635,22796,22674		22793,22715,22306,22314		KONI			
	iv.	Secondary damper	5186,4634		4270,4349		KONI			
	v.	Lateral Damper	510		236		GEREP			
	vi.	Yaw Damper					NIL			
	vii.	Brake cylinder & Caliper	15043/600,15038/600,15083/600,15085/600		15086/600,15091/600,15093/600,15088/600		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					MGN			
	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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Form No. : QMF 9454; Version: 1

1.	SHELL No.	5035	DISPATCH DATE				02.09.2015
2.	Railway	SCR	Type	LWACCN	Coach No.	15904	
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	GS	85/89		
	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				ORIENTAL	
	iii.	SEATS/ BERTHS				RAJINDER DASS	
	iv.	BODY SIDE DOOR				JBM	
	v.	VESTIBULE SLIDING DOOR				KALSI	
	vi.	SALOON DOOR				KALSI	
	vii.	WATER TANKS				MANOJ, KUTEER, E C BLADES, SHIVALIK	
	viii.	UIC VESTIBULE				SUNCREAST	
	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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11.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date			
			5035	SC	LACCN	15904/C	25-08-2015			
11.1	Wheel & Axle Details:		PP Side				NPP Side			
	i.	Bogie No.	156554				156555			
	ii.	Frame No.	SCI/FM-174				FIAT-3522			
	iii.	Bolster No.	4892-VT				4917-VT			
	iv.	Axle No.	129295/982	C-0076		128213/984	C-4367			
	v.	Wheel Dia.	918.00	918.00	917.00	917.00	918.00	918.00	916.00	916.00
	vi.	Wheel Disc No.	6194-00105	6194-00045	6232-00095	6197-00123	6196-00154	6196-00166	06197-00144	06232-00021
	vii.	R.B. Nos.	04264	03417	04332	03428	02024	03079	04303	04321
	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-14-5-152	G-13-4-4534	G-14-5-122	G-13-4-4592	G-14-5-105	G-13-4-4661	G-14-5-NIL	G-13-4-4647	
ii.	Ht. at test load	512	468	513	466	513	467	514	467	
iii.	Align .deviation	15	18	17	21	16	26	14	24	
11.3	Items traceability:									
	Sno.	Item	PP Side Bogie		NPP side Bogie		Make			
	i.	Primary Outer Spring	G-12-10		G-12-10		GF			
	ii.	Primary inner Spring	YR-10-11		YR-10-11		YR			
	iii.	Primary Damper	22300,22726,22636,22309		22770,22330,22310,22395		KONI			
	iv.	Secondary damper	5326,4639		4161,4239		KONI			
	v.	Lateral Damper	286		537		GEREP			
	vi.	Yaw Damper					NIL			
	vii.	Brake cylinder & Caliper	1364/691,1412/691,1333/691,1418/691		1247/691,1317/691,1246/691,1316/691		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					MGN			
	xiv.	Traction centre elastic					MGN			
	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.	5029	DISPATCH DATE				04.09.2015
2.	Railway	SCR	Type	LWACCN	Coach No.	15905	
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	APEX	86/88		
	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	ORIENTAL				
	iii.	SEATS/ BERTHS	RAJINDER DASS				
	iv.	BODY SIDE DOOR	SUKATA				
	v.	VESTIBULE SLIDING DOOR	KALSI				
	vi.	SALOON DOOR	KALSI				
	vii.	WATER TANKS	KUTEER				
	viii.	UIC VESTIBULE	SUNCREAST				
	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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11.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			5029		SCR		LACCN		15905		26-08-2015	
11.1	Wheel & Axle Details:		PP Side						NPP Side			
	i.	Bogie No.	156623						156624			
	ii.	Frame No.	FIAT-4208						FIAT-4256			
	iii.	Bolster No.	5011-VT						ASR-115			
	iv.	Axle No.	129349/982		128360/991		128296/991		125930/477			
	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.	6194-00079	9192-00165	6194-00013	6194-00041	6194-00084	6232-00044	6194-00012	6232-00093		
	vii.	R.B. Nos.	22121	17000	29581	17002	01392	29536	29456	22143		
	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-14-5-079	DN-13-02-1773	G-14-5-049	DN-13-02-3918	G-14-5-003	DN-13-02-1901	G-14-5-071	DN-13-02-1900			
ii.	Ht. at test load	515	463	513	468	513	462	512	468			
iii.	Align .deviation	16	11	20	15	11	12	13	15			
11.3	Items traceability:											
	Sno.	Item			PP Side Bogie			NPP side Bogie			Make	
	i.	Primary Outer Spring			G-12-10			G-12-10			GF	
	ii.	Primary inner Spring			FSK-14-5			FSK-14-5			FSK	
	iii.	Primary Damper			1697,1622,1416,1718			1724,1728,1645,1661			GEREP	
	iv.	Secondary damper			4531,4895			4431,4875			KONI	
	v.	Lateral Damper			219			487			GEREP	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper			F15099/600,F15024/600, F-15092/600,F15038/600			F15109/600,F15093/600,F 15117/600,F15074/600			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									GMT	
	xv.	Secondary rubber pad									TESPAK	
	xvi.	Rubber spring									BATEGU	
	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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1.	SHELL No.	5026	DISPATCH DATE				04.09.2015
2.	Railway	SCR	Type	LWACCN	Coach No.	15903	
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		1102	1104	
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		GS	86/88	
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					RAIL TECH	
iii.	SEATS/ BERTHS					RAJINDER DASS	
iv.	BODY SIDE DOOR					JBM	
v.	VESTIBULE SLIDING DOOR					KALSI	
vi.	SALOON DOOR					KALSI	
vii.	WATER TANKS					KUTEER, SHIVALIK	
viii.	UIC VESTIBULE					SUNCREAST	
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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11.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			5026		SCR		LACCN		15903		25-08-2015	
11.1	Wheel & Axle Details:		PP Side						NPP Side			
	i.	Bogie No.	156545						156544			
	ii.	Frame No.	FIAT-4058						FIAT-4151			
	iii.	Bolster No.	4935-VT						ASR-130			
	iv.	Axle No.	126468/481		Z-3704		126328/474		R-3233			
	v.	Wheel Dia.	915.00	915.00	916.00	916.00	917.50	918.00	917.00	917.50		
	vi.	Wheel Disc No.	013-10582	205-10570	6232-00142	6232-00170	6232-00058	6232-00165	6197-00167	6213-00160		
	vii.	R.B. Nos.	01226	23337	01216	17329	17309	01262	23259	16852		
	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-15-4-158	G-13-4-4707	G-15-4-059	G-13-4-4669	G-15-4-077	G-13-4-4607	G-15-4-055	G-13-4-4691			
ii.	Ht. at test load	513	466	514	467	513	467	513	467			
iii.	Align .deviation	18	20	18	20	16	21	15	19			
11.3	Items traceability:											
	Sno.	Item			PP Side Bogie			NPP side Bogie			Make	
	i.	Primary Outer Spring			G-12-10			G-12-10			GF	
	ii.	Primary inner Spring			GBD-14-12			GBD-14-12			GBD	
	iii.	Primary Damper			1704,1733,1790,1740			1749,1738,1471,1744			GEREP	
	iv.	Secondary damper			534,1285			1114,963			GEREP	
	v.	Lateral Damper			281			496			GEREP	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper			1160/691,1234/691,1161/691,1235/691			1305/691,1397/691,1303/691,1395/691			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									MGN	
	xiv.	Traction centre elastic									MGN	
	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.	5017	DISPATCH DATE				26.09.2015
2.	Railway	SCR	Type	LWACCN	Coach No.	15911	
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)	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	APEX	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	RAIL TECH				
	iii.	SEATS/ BERTHS	ADVANCE				
	iv.	BODY SIDE DOOR	SUKATA				
	v.	VESTIBULE SLIDING DOOR	KALSI				
	vi.	SALOON DOOR	KALSI				
	vii.	WATER TANKS	KUTEER, SHIVALIK, AMIT				
	viii.	UIC VESTIBULE	FRIKMART/SUNCREAST				
	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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11.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			5017		SC		LACCN		15911/C		19-09-2015	
11.1	Wheel & Axle Details:		PP Side					NPP Side				
	i.	Bogie No.	156638					156639				
	ii.	Frame No.	FIAT-3920					FIAT-3605				
	iii.	Bolster No.	5068-GT					4932-VT				
	iv.	Axle No.	128499/983		129002/986		129106/992		128416/983			
	v.	Wheel Dia.	917.00	917.00	917.00	917.00	916.00	916.50	916.00	916.00		
	vi.	Wheel Disc No.	6213-00028	6213-00072	6232-00184	6148-00041	6212-00071	6198-00149	6232-00037	6232-00054		
	vii.	R.B. Nos.	01391	01185	01395	01201	29745	29741	02687	21178		
	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.	CMFSK-15-5-4	DN-10-12-1593	CMFSK-15-5-8	DN-13-02-1802	CMFSK-15-5-13	DN-10-12-1679	CMFSK-15-5-10	DN-10-12-1736			
ii.	Ht. at test load	512-5	466	513	467	513.5	467	513.5	465			
iii.	Align .deviation	10	10	14	13	9	14	10	17			
11.3	Items traceability:											
	Sno.	Item			PP Side Bogie			NPP side Bogie			Make	
	i.	Primary Outer Spring			L&S-13-03			L&S-13-03			L&S	
	ii.	Primary inner Spring			FSK-14-05			FSK-14-05			FSK	
	iii.	Primary Damper			575,744,522,718			1702,642,729,679			GEREP	
	iv.	Secondary damper			1254,1080			331,830			GEREP	
	v.	Lateral Damper			157			368			GEREP	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper			1299/691,1393/691 1295/691,1390/691			1325/691,1380/691 1324/691,1381/691			KBI	
	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,GMT	
	xiv.	Traction centre elastic									GMT	
	xv.	Secondary rubber pad									TESPAK	
	xvi.	Rubber spring									GMT	
	xvii.	Anti roll bar make									EMSON	
	xviii.	Ball joint roll link									SARITA	
	xix.	Fork make									EMSON	
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.	5032	DISPATCH DATE			26.09.2015
2.	Railway	SCR	Type	LWACCN	Coach No.	15907
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	1104	
	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	APC	85/86	
	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		RAIL TECH		
	iii.	SEATS/ BERTHS		AAR KAY FOAMS		
	iv.	BODY SIDE DOOR		SUKATA		
	v.	VESTIBULE SLIDING DOOR		KALSI		
	vi.	SALOON DOOR		KALSI		
	vii.	WATER TANKS		KUTEER, SHIVALIK, E C BLADES		
	viii.	UIC VESTIBULE		CEMCON/SUNCREAST		
	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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11.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date			
			5032	SC	LACCN	15907/C	22-09-2015			
11.1	Wheel & Axle Details:		PP Side				NPP Side			
	i.	Bogie No.	156526				156527			
	ii.	Frame No.	FIAT-4174				FIAT-4159			
	iii.	Bolster No.	4924-VT				4927-VT			
	iv.	Axle No.	128986/986	125870/987	127762/987	125671/479				
	v.	Wheel Dia.	916.00	916.00	916.00	916.00	915.50	916.00	915.00	915.50
	vi.	Wheel Disc No.	6191-00174	6224-00122	6191-00083	6213-00093	06149-00009	6196-00107	06149-00007	6213-00102
	vii.	R.B. Nos.	23082	30111	23087	01078	23042	23125	22245	23095
	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-14-5-081	G-13-4-4604	G-14-5-078	G-13-4-4511	G-14-5-139	G-13-4-4513	G-14-5-068	G-13-4-4470	
ii.	Ht. at test load	514	466	512	468	513	467	513	467	
iii.	Align .deviation	15	16	18	16	17	20	17	18	
11.3	Items traceability:									
	Sno.	Item	PP Side Bogie		NPP side Bogie		Make			
	i.	Primary Outer Spring	L&S-13-03		L&S-13-03		L&S			
	ii.	Primary inner Spring	G-13-3		G-13-3		GF			
	iii.	Primary Damper	1779,14,1732,1410		1723,1026,1694,1651		GEREP			
	iv.	Secondary damper	5077,5354		4996,5076		KONI			
	v.	Lateral Damper	109		485		GEREP			
	vi.	Yaw Damper					NIL			
	vii.	Brake cylinder & Caliper	1737/691,1133/691,1145/691,1232/691		1240/691,1299/691,1301/691,1240/691		KBI			
	viii.	Brake Disc					FTI			
	ix.	Ball joint Control arm					GMT,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					MGN			
	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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