



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	5053	DISPATCH DATE				17.3.2016
2.	Railway	NR	Type	LWLRRM	Coach No.	163854	
3.	Booked to	SSE/C&W/NDLS					
4.	Tare Weight of Coach	53.4 T					
5.	Carrying Capacity	Seating	NIL	Sleeping	NIL	Luggage	3.9 T
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	1100		
	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	ADVANCE	85		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:			Make			
	i.	BRAKE EQUIPMENT			FAVELLY		
	iii.	BIO TANK			RAIL TECH		
	iv.	SEATS/S&B			GANDHI		
	v.	BODY SIDE DOOR			JBM		
	vi.	VESTIBULE SLIDING DOOR			KALSI		
	vii.	CREW-GEN & GUARD ROOM DOOR			JBM/JBM		
	viii.	WATER TANKS			KUTEER,SHIVALIK		
	ix	FUEL TANK			GAURAV		
	x	UIC VESTIBULE			ESCORT		
	XI	FLOOR BOARD			NARBADA		
	XII	PVC			RESPONSIVE		
	XIII	LP SHEET				
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	
			5053		NR		LWLRRM		163854/C		19-02-2016	
11.1	Wheel & Axle Details:		LPC-1 PP Side(Guard)					LPC-II NPP Side (Non guard)				
	i.	Bogie No.	166173					166174				
	ii.	Frame No.	FIAT-4686					FIAT-4683				
	iii.	Bolster No.	5440-VT					5545-P				
	iv.	Axle No.	129346/982		125950/475		128367/991		126502/481			
	v.	Wheel Dia.	916.00	916.00	917.00	917.00	917.00	917.00	916.00	916.00		
	vi.	Wheel Disc No.	6226-00033	06229-00137	06234-00037	6227-00108	06234-00136	6227-00111	6227-00207	06150-00177		
	vii.	R.B. Nos.	31155	06122	35329	22599	02348	22588	38530	03668		
	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.	AFJ-15-5-13	G-15-9-028	AFJ-15-5-20	G-15-9-022	G-15-9-266	G-15-9-104	G-15-9-261	G-15-9-028			
ii.	Ht. at test load	510	466	509	467	514	467	514	469			
iii.	Align .deviation	5	9	4	7	23	7	19	6			
11.3	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			GBD-15-8			GBD-15-8			GBD	
	iii.	Primary Damper			2307,2134,2155,2303			2102,2142,2150,2153			GEREP	
	iv.	Secondary damper			665,325			262,96			GEREP	
	v.	Lateral Damper			3281			3337			KONI	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper			A16013/2000,A16005/2000 P16006/2000,P16008/2000			P16010/2000,P16003/2000 A16008/2000,P16006/2000			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									SGA	
	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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Form No. : QMF 9454; Version: 1

1.	SHELL No.	5064	DISPATCH DATE				12.3.2016
2.	Railway	NR	Type	LWLRRM	Coach No.		163851
3.	Booked to			SSE/C&W/NDLS			
4.	Tare Weight of Coach		53.4 T				
5.	Carrying Capacity	Seating	NIL	Sleeping	NIL	Luggage	3.9 T
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		ADVANCE	85	
	8.2	APPLICATION OF PCN-123			SATISFACTORY		
	8.3	INSUALTION			SATISFACTORY		
9.	Traceability of Furnishing Items:					Make	
	i.	BRAKE EQUIPMENT			FAVELLY		
	iii.	BIO TANK			RAIL FAB		
	iv.	SEATS/S&B			AMIR CHAND		
	v.	BODY SIDE DOOR			JBM		
	vi.	VESTIBULE SLIDING DOOR			KALSI		
	vii.	CREW-GEN & GUARD ROOM DOOR			JBM/JBM		
	viii.	WATER TANKS			EC BLADE, AMIT		
	ix	FUEL TANK			OMAX		
	x	UIC VESTIBULE			ESCORT		
	XI	FLOOR BOARD			NARBADA		
	XII	PVC			RESPONSIVE		
	XIII	LP SHEET				
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	
			5064		NR		LWLRRM		163851/C		19-02-2016	
11.1	Wheel & Axle Details:		LPC-1 PP Side(Guard)					LPC-II NPP Side (Non guard)				
	i.	Bogie No.	166169					166170				
	ii.	Frame No.	FIAT-4566					FIAT-4646				
	iii.	Bolster No.	5530-VT					5519-VT				
	iv.	Axle No.	K-3625		K-2876		126791/468		K-2796			
	v.	Wheel Dia.	916.00	916.00	916.00	916.00	916.00	916.00	916.50	916.00		
	vi.	Wheel Disc No.	7290-00066	06150-00045	06150-00191	06230-00056	6202-00054	6202-00039	7290-00130	7290-00150		
	vii.	R.B. Nos.	05724	30540	03647	30529	34589	05839	05706	30539		
	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.	AFJ-12-5-10	G-15-9-023	AFJ-12-5-35	G-15-9-012	FSK-15-9-64	AFJ-12-5-32	FSK-15-9-19	AFJ-12-5-27			
ii.	Ht. at test load	512	466	511	467	512	469	514	471			
iii.	Align .deviation	4	7	5	8	8	17	7	14			
11.3	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			GBD-15-8			GBD-15-8			GBD	
	iii.	Primary Damper			339,1269,2172,2190			776,2136,2133,2159			GEREP	
	iv.	Secondary damper			100,260			383,244			GEREP	
	v.	Lateral Damper			3642			3618			KONI	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper			NIL,119779/2000 NIL,119778/2000			B14087/2000,098242/2000 086161/2000,034412/2000			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									SGA	
	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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Form No. : QMF 9454; Version: 1

1.	SHELL No.	5070	DISPATCH DATE				17.3.2016
2.	Railway	NR	Type	LWLRRM	Coach No.		163852
3.	Booked to			SSE/C&W/NDLS			
4.	Tare Weight of Coach		53.4 T				
5.	Carrying Capacity	Seating	NIL	Sleeping	NIL	Luggage	3.9 T
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)	SANROK		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		ADVANCE	85	
	8.2	APPLICATION OF PCN-123			SATISFACTORY		
	8.3	INSUALTION			SATISFACTORY		
9.	Traceability of Furnishing Items:				Make		
	i.	BRAKE EQUIPMENT		FAVELLY			
	iii.	BIO TANK		RAIL TECH			
	iv.	SEATS/S&B		GANDHI			
	v.	BODY SIDE DOOR		JBM			
	vi.	VESTIBULE SLIDING DOOR		KALSIS			
	vii.	CREW-GEN & GUARD ROOM DOOR		JBM/JBM			
	viii.	WATER TANKS		KUTEER, SHIVALIK			
	ix	FUEL TANK		OMAX			
	x	UIC VESTIBULE		ESCORT			
	XI	FLOOR BOARD		NARBADA			
	XII	PVC		RESPONSIVE			
	XIII	LP SHEET				
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		NR		LWLRRM		163852/C		29-02-2016	
11.1	Wheel & Axle Details:		LPC-1 PP Side(Guard)					LPC-II NPP Side (Non guard)				
	i.	Bogie No.	166207					166208				
	ii.	Frame No.	FIAT-4614					FIAT-4659				
	iii.	Bolster No.	5571-VT					5571-VT				
	iv.	Axle No.	K-2732		K-3300		K-2795		126753/468			
	v.	Wheel Dia.	916.00	916.00	917.00	917.00	916.00	916.00	917.00	917.00		
	vi.	Wheel Disc No.	7290-00025	06223-00137	7290-00169	7290-00115	6229-00202	06150-00166	06229-00089	6227-00088		
	vii.	R.B. Nos.	04922	02014	01222	01907	05165	02414	02466	02748		
	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.	G-15-9-221	G-15-9-058	G-15-9-151	G-15-9-029	G-15-9-172	G-15-9-061	G-15-9-181	G-15-9-030			
ii.	Ht. at test load	512	468	512	467	514	469	514	470			
iii.	Align .deviation	5	11	7	12	14	9	13	8			
11.3	Items traceability:											
	Sno.	Item			PP Side Bogie		NPP side Bogie		Make			
	i.	Primary Outer Spring			GBD-15-5		GBD-15-11		GBD			
	ii.	Primary inner Spring			FSK-15-01		GBD-15-8GBD-15-8		FSK,GBD			
	iii.	Primary Damper			888,933,931,916		839,751,873,883		GEREP			
	iv.	Secondary damper			1218,1209		1234,1275		GEREP			
	v.	Lateral Damper			3443		3383		KONI			
	vi.	Yaw Damper							NIL			
	vii.	Brake cylinder & Caliper			119620/2000,119770/2000 115011/2000,119780/2000		14077/2000,14107/2000 086145/2000,000171/2000		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							SGA			
	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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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	5072	DISPATCH DATE				17.3.2016
2.	Railway	NR	Type	LWLRRM	Coach No.		163853
3.	Booked to			SSE/C&W/NDLS			
4.	Tare Weight of Coach		53.4 T				
5.	Carrying Capacity	Seating	NIL	Sleeping	NIL	Luggage	3.9 T
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	1103	
	v)	Buffer/CBC (Make)	SANROK		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		ADVANCE	87	
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:						Make
	i.	BRAKE EQUIPMENT				FAVELLY	
	iii.	BIO TANK				RAIL FAB	
	iv.	SEATS/S&B				GANDHI	
	v.	BODY SIDE DOOR				JBM	
	vi.	VESTIBULE SLIDING DOOR				KALSI	
	vii.	CREW-GEN & GUARD ROOM DOOR				JBM/JBM	
	viii.	WATER TANKS				EC BLADE,MANOJ	
	ix	FUEL TANK				OMAX	
	x	UIC VESTIBULE				ESCORT	
	XI	FLOOR BOARD				NARBADA	
	XII	PVC				RESPONSIVE	
	XIII	LP SHEET				
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			
			5072	NR	LWLRRM	163853/C	20-02-2016			
11.1	Wheel & Axle Details:		LPC-1 PP Side(Guard)				LPC-II NPP Side (Non guard)			
	i.	Bogie No.	166177				166178			
	ii.	Frame No.	FIAT-4593				FIAT-4619			
	iii.	Bolster No.	5538-VT				5553-P			
	iv.	Axle No.	K-2819		126812/468		K-3103		125839/477	
	v.	Wheel Dia.	916.00	916.00	916.00	916.00	916.00	916.00	916.00	916.00
	vi.	Wheel Disc No.	6206-00073	06230-00031	7290-00116	7290-00123	7290-00027	7290-00157	7290-00042	7282-00018
	vii.	R.B. Nos.	05089	30499	22720	06680	30484	05686	22914	06710
	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.		AFJ-12-5-12	G-15-9-052	AFJ-12-5-11	G-15-9-068	G-15-9-213	G-15-9-033	G-15-9-227	G-15-9-002
ii.	Ht. at test load		512	465	512	466	512	471	512	470
iii.	Align .deviation		5	18	4	11	18	7	16	6
11.3	Items traceability:									
	Sno.	Item	PP Side Bogie			NPP side Bogie			Make	
	i.	Primary Outer Spring	BPS-2013			BPS-2013			BPS	
	ii.	Primary inner Spring	GBD-15-8			GBD-15-8			GBD	
	iii.	Primary Damper	1400,1465,2205,1447			2196,1434,2269,1446			GEREP	
	iv.	Secondary damper	285,78			56,366			GEREP	
	v.	Lateral Damper	3289			3679			KONI	
	vi.	Yaw Damper							NIL	
	vii.	Brake cylinder & Caliper	A16019/2000,A16010/2000 A16024/2000,A16009/2000			A16012/2000,A16005/2000 A16011/2000,A16012/2000			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							SGA	
	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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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	5071	DISPATCH DATE				28.3.2016	
2.	Railway	NR	Type	LWLRRM	Coach No.		163855	
3.	Booked to			SSE/C&W/NDLS				
4.	Tare Weight of Coach			53.4 T				
5.	Carrying Capacity	Seating	NIL	Sleeping	NIL	Luggage	3.9 T	
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		ADVANCE	87		
	8.2	APPLICATION OF PCN-123			SATISFACTORY			
	8.3	INSUALTION			SATISFACTORY			
9.	Traceability of Furnishing Items:					Make		
	i.	BRAKE EQUIPMENT			FAVELLY			
	iii.	BIO TANK			RAIL TECH			
	iv.	SEATS/S&B			AMIR CHAND			
	v.	BODY SIDE DOOR			JBM			
	vi.	VESTIBULE SLIDING DOOR			HANSPAL			
	vii.	CREW-GEN & GUARD ROOM DOOR			JBM/JBM			
	viii.	WATER TANKS			EC BLADE, SHIVALIK			
	ix	FUEL TANK			GAURAV			
	x	UIC VESTIBULE			ESCORT			
	XI	FLOOR BOARD			NARBADA			
	XII	PVC			RESPONSIVE			
	XIII	LP SHEET					
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			
			5071	NR	LWLRRM	163855	14-01-2016			
11.1	Wheel & Axle Details:		LPC-1 PP Side(Guard)				LPC-II NPP Side (Non guard)			
	i.	Bogie No.	156993				166009			
	ii.	Frame No.	FIAT-4427				FIAT-4471			
	iii.	Bolster No.	5380-VT				153-GT/ASR			
	iv.	Axle No.	126943/476	129322/982	129240/982	126405/474				
	v.	Wheel Dia.	916.00	916.00	916.00	916.00	916.00	916.00	916.00	916.00
	vi.	Wheel Disc No.	6221-00146	06234-00049	6221-00195	6221-00015	6221-00111	06227-00121	06226-00100	06226-00024
	vii.	R.B. Nos.	05547	04601	02523	07691	03176	02490	02985	06112
	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.	CMFSK-15-11-61	BPS-15-3-NIL	CMFSK-15-11-60	BPS-15-3-NIL	FSK-15-9-71	GBD-15-9-17	FSK-15-9-19	GBD-15-9-14	
ii.	Ht. at test load	512.50	464	512.50	466	509.50	470.50	508	471	
iii.	Align .deviation	7	6	6	6	8	26	8	22	
11.3	Items traceability:									
	Sno.	Item	PP Side Bogie		NPP side Bogie		Make			
	i.	Primary Outer Spring	L&S -12-2		L&S -12-5		L&S			
	ii.	Primary inner Spring	FSK-15-5		FSK-15-5		FSK			
	iii.	Primary Damper	445,249,226,150		139,283,135,257		GEREP			
	iv.	Secondary damper	515,496		451,472		GEREP			
	v.	Lateral Damper	356		358		GEREP			
	vi.	Yaw Damper					NIL			
	vii.	Brake cylinder & Caliper	2421/261,K0228/260,2437/261,K02368260		2435/261,2451/261,2436/261,2448/261		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					SGA			
	xiv.	Traction centre elastic					MGN,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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