



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			25.02.2016
2.	Railway	SCR	Type	LWLRRM	Coach No.	15857
3.	Booked to	SSE/C&W/SC				
4.	Tare Weight of Coach	53.4 T				
5.	Carrying Capacity	Seating	NIL	Sleeping	NIL	Luggage
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		ADVANCE	85
8.2	APPLICATION OF PCN-123		SATISFACTORY			
8.3	INSUALTION		SATISFACTORY			
9.	Traceability of Furnishing Items:			Make		
i.	BRAKE EQUIPMENT			ESCORTS		
iii.	CDTS			AIR FLOW		
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, AMIT		
ix	FUEL TANK			OMAX, GAURAV		
x	UIC VESTIBULE			ESCORTS		
XI	FLOOR BOARD			NARBADA		
XII	PVC			RESPONSIVE		
10.						
10.1	Modification / Trail (if any):				NIL	
10.2	Deviations if any:				NIL	



11.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			5027		SC		LWLRRM		15857/C		30-01-2016	
11.1	Wheel & Axle Details:		LPC-1 PP Side(Guard)					LPC-II NPP Side (Non guard)				
	i.	Bogie No.	166033					166034				
	ii.	Frame No.	FIAT-4532					FIAT-4490				
	iii.	Bolster No.	5402-VT					5398-VT				
	iv.	Axle No.	125890/477		129229/992		126685/468		126260/471			
	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.	6210-00078	6227-00173	06234-00149	06234-00221	7290-00078	6221-00096	7290-00072	6221-00019		
	vii.	R.B. Nos.	06241	01612	05171	04874	02016	03012	07410	03475		
	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.	CMFSK-15-11-41	AFJ-15-12-15	CMFSK-15-11-8	AFJ-15-12-16	AFJ-15-12-21	AFJ-15-12-12	AFJ-15-12-16	AFJ-15-12-3			
ii.	Ht. at test load	508	468	508	468	515	471	515	471			
iii.	Align .deviation	8	14	8	16	8	8	8	3			
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	BPS-2013				BPS-2013				BPS	
	iii.	Primary Damper	2111,2084,2197,2123				2217,2245,2232,2048				GEREP	
	iv.	Secondary damper	4571,4192				4260,4646				KONI	
	v.	Lateral Damper	511				560				GEREP	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper	29853,28557,29854,29858				29849,29487,29850,29780				ESCORTS	
	viii.	Brake Disc									FTI	
	ix.	Ball joint Control arm									MGN	
	x.	Lateral Bump stop									MGN	
	xi.	Traction center make									EMSON, SARITA	
	xii.	Traction lever make									EMSON, SARITA	
	xiii.	Ball joint traction lever									SGA	
	xiv.	Traction centre elastic									SGA,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.	5054	DISPATCH DATE			16.12.2015
2.	Railway	SCR	Type	LWLRRM	Coach No.	15855
3.	Booked to	SSE/C&W/SC				
4.	Tare Weight of Coach	53.4 T				
5.	Carrying Capacity	Seating	NIL	Sleeping	NIL	Luggage
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			FAIVELEY	
	iii.	CDTS			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			E C BLADES, AMIT	
	ix	FUEL TANK			GAURAV	
	x	UIC VESTIBULE			SUNCREAST	
	XI	FLOOR BOARD			NARBADA	
	XII	PVC			RESPONSIVE	
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	
			5054		SC		LWLRRM		15855/C		16-01-2016	
11.1	Wheel & Axle Details:		LPC-1 PP Side(Guard)						LPC-II NPP Side (Non guard)			
	i.	Bogie No.	166050						166045			
	ii.	Frame No.	FIAT-4543						FIAT-4479			
	iii.	Bolster No.	5421-VT						5442-VT			
	iv.	Axle No.	128326/991			128313/991			126250/471		128522/983	
	v.	Wheel Dia.	916.50	916.00	915.00	915.00	915.00	915.50	915.50	916.00		
	vi.	Wheel Disc No.	7222-00096	7273-00110	7282-00188	6216-00060	6210-00149	7273-00010	6227-00138	6210-00166		
	vii.	R.B. Nos.	30125	02819	01846	02220	03193	04323	03161	03324		
	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.		CMFSK-15-11-50	CMAFJ-15-12-12	CMFSK-15-11-49	CMAFJ-15-12-30	CMAFJ-15-12-27	CMAFJ-15-12-35	CMAFJ-15-12-28	CMAFJ-15-12-34		
ii.	Ht. at test load		509	468	508	468	515	471	513	470		
iii.	Align .deviation		7	2	8	8	8	15	8	16		
11.3	Items traceability:											
	Sno.	Item	PP Side Bogie				NPP side Bogie				Make	
	i.	Primary Outer Spring	L&S -12-5				L&S -12-5				L&S	
	ii.	Primary inner Spring	FSK-15-9				FSK-15-9				FSK	
	iii.	Primary Damper	178,385,938,360				1424,1225,1422,1443				GEREP	
	iv.	Secondary damper	4756,4183				4501,4522				KONI	
	v.	Lateral Damper	729				260				GEREP	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper	N15007/2000,N15001/2000 N15015/2000,N15002/2000				N15015/2000,N15004/2000 N15016/2000,N15001/2000				FTI	
	viii.	Brake Disc									KBI,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									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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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	5065	DISPATCH DATE				25.02.2016
2.	Railway	SCR	Type	LWLRRM	Coach No.	15859	
3.	Booked to	SSE/C&W/SC					
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	86		
8.2	APPLICATION OF PCN-123		SATISFACTORY				
8.3	INSUALTION		SATISFACTORY				
9.	Traceability of Furnishing Items:		Make				
i.	BRAKE EQUIPMENT			FAIVELEY			
iii.	CDTS			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			E C BLADES, AMIT			
ix	FUEL TANK			OMAX			
x	UIC VESTIBULE			ESCORTS			
XI	FLOOR BOARD			NARBADA			
XII	PVC			RESPONSIVE			
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	SC	LWLRRM	15859/C	14-01-2016			
11.1	Wheel & Axle Details:		LPC-1 PP Side(Guard)				LPC-II NPP Side (Non guard)			
	i.	Bogie No.	166048				166049			
	ii.	Frame No.	FIAT-4594				FIAT-4353			
	iii.	Bolster No.	5425-VT				5433-VT			
	iv.	Axle No.	126608/480		126539/481		129394/982		129200/992	
	v.	Wheel Dia.	915.50	916.00	917.00	916.50	915.50	916.00	916.00	916.00
	vi.	Wheel Disc No.	6223-00046	6227-00107	6227-00168	6227-00106	06223-00050	6226-00076	7216-00098	6227-00073
	vii.	R.B. Nos.	03170	06424	06119	04150	02436	02236	01652	16768
	viii.	R.B. Make	TIMKEN		TIMKEN		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.	CMFSK-15-11-17	CMAFJ-15-12-27	CMFSK-15-11-40	CMAFJ-15-12-29	CMAFJ-15-12-23	CMAFJ-15-12-31	CMAFJ-15-12-26	CMAFJ-15-12-27	
ii.	Ht. at test load	509	468	508	468	513	471	512	471	
iii.	Align .deviation	8	10	8	5	7	15	10	15	
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			FSK-15-9		FSK-15-9		FSK	
	iii.	Primary Damper			2211,2125,2191,2199		2240,2228,993,140		GEREP	
	iv.	Secondary damper			4574,4185		4633,4396		KONI	
	v.	Lateral Damper			627		488		GEREP	
	vi.	Yaw Damper							NIL	
	vii.	Brake cylinder & Caliper			M15006/2000,M15008/2000 M15008/2000,M15005/2000		M15005/2000,M15007/2000 M15001/2000,M15006/2000		FTI	
	viii.	Brake Disc							KBI	
	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							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	
	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.	5067	DISPATCH DATE				12.3.2016
2.	Railway	SCR	Type	LWLRRM	Coach No.	15858	
3.	Booked to	SSE/C&W/SC					
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)	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	86	
8.2	APPLICATION OF PCN-123		SATISFACTORY				
8.3	INSUALTION		SATISFACTORY				
9.	Traceability of Furnishing Items:					Make	
i.	BRAKE EQUIPMENT					ESCORTS	
iii.	BIOTANK					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, AMIT	
ix	FUEL TANK					OMAX,	
x	UIC VESTIBULE					ESCORTS	
XI	FLOOR BOARD					TAYAL	
XII	PVC					RESPONSIVE	
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		SCR		LWLRRM		15858/C		13-01-2016	
11.1	Wheel & Axle Details:		LPC-1 PP Side(Guard)					LPC-II NPP Side (Non guard)				
	i.	Bogie No.	166042					166041				
	ii.	Frame No.	FIAT-4514					FIAT-4474				
	iii.	Bolster No.	5370-VT					5445-VT				
	iv.	Axle No.	126957/476		128999/986		128317/991		126797/468			
	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.	7222-00035	7222-00040	7282-00169	6220-00162	6227-00111	6221-00016	6210-00097	6210-00052		
	vii.	R.B. Nos.	07427	07345	07234	05715	05731	01817	01443	01819		
	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-13-01-37	CMAFJ-15-12-13	CMFSK-13-01-57	CMAFJ-15-12-11	CMAFJ-15-12-33	CMAFJ-15-12-5	CMAFJ-15-12-1	CMAFJ-15-12-1			
ii.	Ht. at test load	511.50	468	512.50	468	515	470	515	470			
iii.	Align .deviation	8	3	8	1	10	4	12	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			FSK-15-9		FSK-15-9		FSK			
	iii.	Primary Damper			2149,2224,2220,2205		2165,2197,2185,159		GEREP			
	iv.	Secondary damper			4292,4677		4870,4665		KONI			
	v.	Lateral Damper			570		689		GEREP			
	vi.	Yaw Damper							NIL			
	vii.	Brake cylinder & Caliper			29779,29856,29781,29855		29852,29785,29851,29756		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							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			
	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.	5061	DISPATCH DATE				25.02.2016
2.	Railway	SCR	Type	LWLRRM	Coach No.	15856	
3.	Booked to	SSE/C&W/SC					
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)	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	86	
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, AMIT	
ix	FUEL TANK					GAURAV	
x	UIC VESTIBULE					ESCORTS	
XI	FLOOR BOARD					NARBADA	
XII	PVC					RESPONSIVE	
10.							
10.1	Modification / Trail (if any):				NIL		
10.2	Deviations if any:				NIL		



रेल डिब्बा कारखाना, कपूरथला

Rail Coach Factory , Kapurthala

11.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			5061		SCR		LWLRRM		15856		14-01-2016	
11.1	Wheel & Axle Details:		LPC-1 PP Side(Guard)					LPC-II NPP Side (Non guard)				
	i.	Bogie No.	166047					166051				
	ii.	Frame No.	FIAT-4546					FIAT-4555				
	iii.	Bolster No.	5453-P					5417-P				
	iv.	Axle No.	127962/988		126095/475		129281/922		126465/481			
	v.	Wheel Dia.	916.00	916.50	916.00	915.50	915.50	916.00	915.00	915.50		
	vi.	Wheel Disc No.	06226-00020	6210-00127	06226-00145	6227-00171	6210-00061	7282-00199	7273-00107	7222-00049		
	vii.	R.B. Nos.	02413	22044	02414	22225	34981	01666	01657	02197		
	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-15-11-6	CMAFJ-15-12-31	CMFSK-15-11-18	CMAFJ-15-12-32	CMAFJ-15-12-7	CMAFJ-15-12-30	CMAFJ-15-12-10	CMAFJ-15-12-25			
ii.	Ht. at test load	510.5	468	508.5	468	515	471	515	471			
iii.	Align .deviation	8	1	9	3	5	14	5	15			
11.3	Items traceability:											
	Sno.	Item			PP Side Bogie			NPP side Bogie			Make	
	i.	Primary Outer Spring			L&S -12-5			L&S -12-5			L&S	
	ii.	Primary inner Spring			FSK-15-6			FSK-15-6			FSK	
	iii.	Primary Damper			2132,2155,16,643			101,17,228,132			GEREP	
	iv.	Secondary damper			4242,70012			4498,70016			KONI	
	v.	Lateral Damper			621			513			GEREP	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper			M15010/2000,M15007/2000 M15006/2000,M15005/2000			M15012/2000,M15008/2000 M15013/2000,M15005/2000			FTI	
	viii.	Brake Disc									FTI,KBI	
	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									GMT,SGA	
	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									EMSON	
11.4	i.	Modification / Trial (if any):			NIL							
	ii.	Deviations (if any):			NIL							

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