



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	5039	DISPATCH DATE				08.01.2016
2.	Railway	NR	Type	LWLRRM	Coach No.	153856	
3.	Booked to	SSE/C&W/NDS					
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	FAIVELEY				
	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	CP/JBM				
	viii.	WATER TANKS	KUTEER, SHIVALIK				
	ix	FUEL TANK	GAURAV				
	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	
			5039		NR		LWLRRM		153856		23-12-2015	
11.1	Wheel & Axle Details:		LPC-1 PP Side(Guard)					LPC-II NPP Side (Non guard)				
	i.	Bogie No.	156983					156982				
	ii.	Frame No.	FIAT-4452					BEC-49				
	iii.	Bolster No.	5369-VT					5333-P				
	iv.	Axle No.	128231/991		126307/474		127792/987		128100/984			
	v.	Wheel Dia.	916.00	916.00	916.00	916.00	916.00	916.00	917.00	917.00		
	vi.	Wheel Disc No.	6230-00070	6221-00036	6221-00188	6221-00209	7301-00048	06234-00106	6221-00029	6221-00032		
	vii.	R.B. Nos.	05114	01455	05135	01614	03454	03210	02975	06278		
	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.	FSK-15-11-58	G-13-5-190	FSK-15-11-14	G-13-5-155	FSK-15-9-24	GBD-15-9-12	FSK-15-9-10	GBD-15-9-10			
ii.	Ht. at test load	510	465	509	467	514	469	513	469.50			
iii.	Align .deviation	9	10	11	16	10	26	10	21			
11.3	Items traceability:											
	Sno.	Item		PP Side Bogie		NPP side Bogie		Make				
	i.	Primary Outer Spring		FSK-15-6		FSK-15-6		FSK				
	ii.	Primary inner Spring		FSK-15-6		FSK-15-6		FSK				
	iii.	Primary Damper		1500,1255,1483,1373		1304,1261,1216,1218		GEREP				
	iv.	Secondary damper		1375,1390		1366,1360		GEREP				
	v.	Lateral Damper		10		29		GEREP				
	vi.	Yaw Damper						NIL				
	vii.	Brake cylinder & Caliper		L15006/2000,K15004/2000 K15012/2000,K15007/2000		H15016/2000,K15006/2000 H15006/2000,K15005/2000		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						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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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	5045	DISPATCH DATE				11.01.2016
2.	Railway	NR	Type	LWLRRM	Coach No.	153858	
3.	Booked to	SSE/C&W/NDS					
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		1100	1103	
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			CP/JBM			
viii.	WATER TANKS			KUTEER,MANOJ			
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		



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11.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date			
			5045	NR	LWLRRM	153858	30-12-2015			
11.1	Wheel & Axle Details:		LPC-1 PP Side(Guard)				LPC-II NPP Side (Non guard)			
	i.	Bogie No.	156990				156992			
	ii.	Frame No.	FIAT-4284				FIAT-4518			
	iii.	Bolster No.	5365-VT				5314-VT			
	iv.	Axle No.	126392/474	114682/376	114063/374	129165/992				
	v.	Wheel Dia.	917.00	917.00	917.00	917.00	917.00	917.00	917.00	917.00
	vi.	Wheel Disc No.	6221-00062	6221-00075	6221-00107	6221-00125	6227-00032	6227-00055	7282-00101	6227-00126
	vii.	R.B. Nos.	01634	04861	01358	05120	01251	01339	01388	01631
	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-15-11-4	GBD-15-6-3	CMFSK-15-11-15	GBD-15-6-12	CMFSK-15-9-23	GBD-15-6-18	CMFSK-15-9-12	GBD-15-6-09	
ii.	Ht. at test load	510.50	468	511.50	467.50	511	470	513	471	
iii.	Align .deviation	10	12	8	12	8	22	11	28	
11.3	Items traceability:									
	Sno.	Item	PP Side Bogie			NPP side Bogie			Make	
	i.	Primary Outer Spring	FSK-15-9			FSK-15-9			FSK	
	ii.	Primary inner Spring	FSK-15-6			FSK-15-6			FSK	
	iii.	Primary Damper	1148,1081,1083,1086			808,719,1148,1081			GEREP	
	iv.	Secondary damper	1347,403			1367,416			GEREP	
	v.	Lateral Damper	61			507			GEREP	
	vi.	Yaw Damper							NIL	
	vii.	Brake cylinder & Caliper	M15003/2000,M15004/2000 M15011/2000,M15002/2000			M15002/2000,M15003/2000 M15015/2000,M15006/2000			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							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.	5057	DISPATCH DATE				07.01.2016
2.	Railway	NR	Type	LWLRRM	Coach No.	153854	
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)	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	87		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:			Make			
	i.	BRAKE EQUIPMENT		KBI			
	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		CONCEPT/JBM			
	viii.	WATER TANKS		E C BLADES, MANOJ			
	ix	FUEL TANK		--			
	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	
			5057		NR		LWLRRM		153854/C		27-11-2015	
11.1	Wheel & Axle Details:		LPC-1 PP Side(Guard)						LPC-II NPP Side (Non guard)			
	i.	Bogie No.	156892						156893			
	ii.	Frame No.	ECBT-961						ECBT-910			
	iii.	Bolster No.	5239-P						5275-P			
	iv.	Axle No.	128361/982			126154/471			A-2964		126873/470	
	v.	Wheel Dia.	916.00	916.00	915.00	915.00	915.50	915.50	915.00	915.50		
	vi.	Wheel Disc No.	7172-00028	7172-00003	7172-00196	6228-00186	06228-00062	6207-00161	6207-00132	6196-00035		
	vii.	R.B. Nos.	01225	01240	01692	01407	01177	04972	02538	01189		
	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.		GBD-15-5-27	GBD-15-5-6	GBD-15-5-17	GBD-15-5-28	GBD-15-5-75	DN-12-3-185	GBD-15-5-2	DN-12-3-221		
ii.	Ht. at test load		510.50	467.50	509	468.50	515	465	515	471		
iii.	Align .deviation		9	21	12	27	11	7	12	8		
11.3	Items traceability:											
	Sno.	Item	PP Side Bogie				NPP side Bogie				Make	
	i.	Primary Outer Spring	FSK-15-1				FSK-15-1				FSK	
	ii.	Primary inner Spring	FSK-15-9				FSK-15-9				FSK	
	iii.	Primary Damper	0268,0295,0324,0321				0214,0229,0231,0232				KNORR	
	iv.	Secondary damper	0112,0123				0061,0054				KNORR	
	v.	Lateral Damper	00074				00094				KNORR	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper	J3261/261,J3334/260, J3254/261,J3335/260				J5229/261,J5350/261, J5261/261,J5351/261				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									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									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.	5052	DISPATCH DATE			06.01.2016	
2.	Railway	NR	Type	LWLRRM	Coach No.	153055	
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	1104	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 FAB			
	iv.	SEATS/S&B		GANDHI			
	v.	BODY SIDE DOOR		JBM			
	vi.	VESTIBULE SLIDING DOOR		KALSI			
	vii.	CREW-GEN & GUARD ROOM DOOR		CP/JBM			
	viii.	WATER TANKS		KUTEER, MANOJ			
	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		



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11.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			5052		NR		LWLRRM		153055/C		23-12-2015	
11.1	Wheel & Axle Details:		LPC-1 PP Side(Guard)				LPC-II NPP Side (Non guard)					
	i.	Bogie No.	156989				156982					
	ii.	Frame No.	FIAT-4452				BEC-49					
	iii.	Bolster No.	5369-VT				5333-P					
	iv.	Axle No.	128231/991		126307/474		127792/987		128100/984			
	v.	Wheel Dia.	916.00	916.00	916.00	916.00	916.00	916.00	917.00	917.00		
	vi.	Wheel Disc No.	6230-00070	6221-00036	6221-00188	6221-00209	7301-00048	06234-00106	6221-00029	6221-00032		
	vii.	R.B. Nos.	05114	01455	05135	01614	03454	03210	02975	06278		
	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.	FSK-15-11-58	G-13-5-190	FSK-15-11-14	G-13-5-155	FSK-15-9-24	GBD-15-9-12	FSK-15-9-10	GBD-15-9-10			
ii.	Ht. at test load	510	465	509	467	514	469	513	469.50			
iii.	Align .deviation	9	10	11	16	10	26	10	21			
11.3	Items traceability:											
	Sno.	Item			PP Side Bogie			NPP side Bogie			Make	
	i.	Primary Outer Spring			FSK-15-6			FSK-15-6			FSK	
	ii.	Primary inner Spring			FSK-15-6			FSK-15-6			FSK	
	iii.	Primary Damper			1500,1255,1483,1373			1304,1261,1216,1218			GEREP	
	iv.	Secondary damper			1375,1390			1366,1360			GEREP	
	v.	Lateral Damper			10			29			GEREP	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper			L15006/2000,K15004/2000 K15012/2000,K15007/2000			H15016/2000,K15006/2000 H15006/2000,K15005/2000			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									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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Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	5038	DISPATCH DATE				07.01.2016
2.	Railway	NR	Type	LWLRRM	Coach No.	153857	
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)	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	86		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:			Make			
	i.	BRAKE EQUIPMENT			KBI		
	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			CP/JBM		
	viii.	WATER TANKS			KUTEER, MANOJ		
	ix	FUEL TANK			GAURAV		
	x	UIC VESTIBULE			ESCORTS		
	XI	FLOOR BOARD			TAYAL/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	
			5038		NR		LWLRRM		153857/C		23-12-2015	
11.1	Wheel & Axle Details:		LPC-1 PP Side(Guard)					LPC-II NPP Side (Non guard)				
	i.	Bogie No.	156979					156988				
	ii.	Frame No.	FIAT-4407					BEC-047				
	iii.	Bolster No.	5317-VT					5355-P				
	iv.	Axle No.	125773/473		113441/372		114944/369		129356/982			
	v.	Wheel Dia.	916.00	916.00	916.00	916.00	915.00	915.50	917.00	917.00		
	vi.	Wheel Disc No.	6234-00134	6234-00127	7282-00098	7282-00200	6290-00171	7216-00027	6221-00208	6221-00087		
	vii.	R.B. Nos.	04172	04876	03928	01377	04866	02062	01722	01674		
	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.	FSK-15-1-51	GBD-15-5-18	FSK-15-1-32	GBD-15-5-11	FSK-15-9-2	GBD-15-5-08	FSK-15-11-NIL	GBD-15-5-23			
ii.	Ht. at test load	512.50	467	512	468	511	467.50	511.50	467.50			
iii.	Align .deviation	9	20	10	20	10	26	8	21			
11.3	Items traceability:											
	Sno.	Item			PP Side Bogie		NPP side Bogie		Make			
	i.	Primary Outer Spring			FSK-15-6		FSK-15-6		FSK			
	ii.	Primary inner Spring			FSK-15-6		FSK-15-6		FSK			
	iii.	Primary Damper			1182,1230,1181,1501		1211,1548,1240,1087		GEREP			
	iv.	Secondary damper			1400,1354		1504,1374		GEREP			
	v.	Lateral Damper			465		352		GEREP			
	vi.	Yaw Damper							NIL			
	vii.	Brake cylinder & Caliper			L15010/2000,L15007/2000 L15005/2000,L15005/2000		142015/2000,K12015/2000 12655/2000,D14104/2000		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							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							

LPC-5038

