



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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रोलिंग स्टॉक प्रमाण-पत्र

ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	6003	DISPATCH DATE			30.06.2016	
2.	Railway	NR	Type	LWLRRM	Coach No.	163983	
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)	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	APEX	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		GANDI			
	v.	BODY SIDE DOOR		SUKATA			
	vi.	VESTIBULE SLIDING DOOR		HANSPAL			
	vii.	CREW-GEN & GUARD ROOM DOOR		JBM/JBM			
	viii.	WATER TANKS		KUTEER,MANOJ			
	ix	FUEL TANK		SHIVALIK			
	x	UIC VESTIBULE		ESCORT			
	XI	FLOOR BOARD		TAYAL			
	XII	PVC		RESPONSIVE			
	XII	LP SHEET		PL			
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	
			6003		NR		LWLRRM		163983/C		24-06-2016	
11.1	Wheel & Axle Details:		LPC-I PP Side(Guard)					LPC-II NPP Side (Non guard)				
	i.	Bogie No.	166522					166523				
	ii.	Frame No.	FIAT-4860					FIAT-4927				
	iii.	Bolster No.	5865-PS					5879-PS				
	iv.	Axle No.	K-6511		K-6433		N-3733		K-4035			
	v.	Wheel Dia.	917.00	917.00	917.00	917.00	916.00	916.50	917.00	917.00		
	vi.	Wheel Disc No.	13350-00033	13351-00003	13351-00263	13351-00055	13352-00136	13352-00208	13351-00232	13351-00228		
	vii.	R.B. Nos.	34156	34967	21524	30972	01225	01243	34976	24528		
	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-15-9-189	RSK-15-3-90	G-15-9-155	RSK-15-3-032	G-16-1-1139	G-15-9-075	G-16-1-1132	G-15-9-097		
ii.	Ht. at test load		509	468	508	468	512	470	511	470		
iii.	Align .deviation		4	17	6	18	17	9	16	6		
11.3	Items traceability:											
	Sno.	Item	PP Side Bogie			NPP side Bogie			Make			
	i.	Primary Outer Spring	FSK-15-06			RSK-15-6			FSK,RSK			
	ii.	Primary inner Spring	G-15-9			G-15-9			GF			
	iii.	Primary Damper	0930,0908,0756,0726			0791,0719,0752,0931			KNORR			
	iv.	Secondary damper	1300,992			1335,1307			GEREP			
	v.	Lateral Damper	123			140			GEREP			
	vi.	Yaw Damper							NIL			
	vii.	Brake cylinder & Caliper	3685/261,K3840/260 3684/261,K3766/260			3697/261,3725/261 3694/261,3727/261			KBI			
	viii.	Brake Disc							FTI			
	ix.	Ball joint Control arm							GMT			
	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							BHAM			
	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.	6007	DISPATCH DATE			15.07.2016	
2.	Railway	NR	Type	LWLRRM	Coach No.	163985	
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)	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	APEX	86		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:			Make			
	i.	BRAKE EQUIPMENT		KBI			
	iii.	BIOTANK		RAIL FAB			
	iv.	SEATS/S&B		GANDHI			
	v.	BODY SIDE DOOR		SUKATA			
	vi.	VESTIBULE SLIDING DOOR		HP			
	vii.	CREW-GEN & GUARD ROOM DOOR		JBM /CONCEPT			
	viii.	WATER TANKS		KUTEER,MANOJ			
	ix	FUEL TANK		SHIVALIK			
	x	UIC VESTIBULE		ESCORT			
	XI	FLOOR BOARD		TAYAL			
	XII	PVC		RESPONSIVE			
	XIII	LP SHEET		NK			
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			
			6007	NR	LWLRRM	163985/C	09-06-2016			
11.1	Wheel & Axle Details:		LPC-I PP Side(Guard)				LPC-II NPP Side (Non guard)			
	i.	Bogie No.	166494				166493			
	ii.	Frame No.	FIAT-4939				FM-522			
	iii.	Bolster No.	5659-VT				5853-PS			
	iv.	Axle No.	N-0618		K-3840		K-3922		N-5674	
	v.	Wheel Dia.	916.00	916.00	917.00	917.50	916.00	916.00	916.00	916.00
	vi.	Wheel Disc No.	7277-00143	7283-00058	7277-00017	07298-00179	7300-00134	7275-00175	7277-00160	7277-00163
	vii.	R.B. Nos.	05050	04533	03629	04184	04102	04081	03541	03833
	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-15-09-162	RSK-16-1-154	G-15-09-208	RSK-16-1-51	G-16-1-1244	G-15-9-051	G16-1-1252	G-12-9-393	
ii.	Ht. at test load	512	467	510	467	513	464	513	468	
iii.	Align .deviation	1	3	3	5	12	6	13	8	
11.3	Items traceability:									
	Sno.	Item	PP Side Bogie		NPP side Bogie		Make			
	i.	Primary Outer Spring	G-15-9		G-15-9		GF			
	ii.	Primary inner Spring	G-15-9		G-15-9		GF			
	iii.	Primary Damper	797,772,799,938		793,725,840,791		KNORR			
	iv.	Secondary damper	274,322		306,286		KNORR			
	v.	Lateral Damper	120		134		KNORR			
	vi.	Yaw Damper					NIL			
	vii.	Brake cylinder & Caliper					KBI			
	viii.	Brake Disc					KBI			
	ix.	Ball joint Control arm					GMT			
	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					BHAM			
	xvi.	Rubber spring					GMT			
	xvii.	Anti roll bar make					SARITA			
	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.	6009	DISPATCH DATE			25.06.2016	
2.	Railway	NR	Type	LWLRRM	Coach No.	163980	
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)	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	APEX	86		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:			Make			
	i.	BRAKE EQUIPMENT		KBI			
	iii.	BIO TANK		RAIL FAB			
	iv.	SEATS/S&B		GANDI			
	v.	BODY SIDE DOOR		SUKATA			
	vi.	VESTIBULE SLIDING DOOR		HANSPAL			
	vii.	CREW-GEN & GUARD ROOM DOOR		JBM/JBM			
	viii.	WATER TANKS		KUTEER,MANOJ			
	ix	FUEL TANK		SHIVALIK			
	x	UIC VESTIBULE		ESCORT			
	XI	FLOOR BOARD		TAYAL			
	XII	PVC		RESPONSIVE			
	XII	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			
			6009	NR	LWLRRM	163980/C	09-06-2016			
11.1	Wheel & Axle Details:		LPC-I PP Side(Guard)				LPC-II NPP Side (Non guard)			
	i.	Bogie No.	166495				166496			
	ii.	Frame No.	FIAT-4871				FM-527			
	iii.	Bolster No.	5827-VT				5704-VT			
	iv.	Axle No.	N-0523		K-6799		K-6748		N-0644	
	v.	Wheel Dia.	916.50	916.50	916.00	916.00	916.00	916.00	917.00	917.50
	vi.	Wheel Disc No.	7277-00085	7291-00060	7277-00124	7280-00039	07298-00046	07302-00034	7279-00120	7276-00088
	vii.	R.B. Nos.	05314	05225	05188	05067	05222	05144	04531	04785
	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-9-15-143	RSK-3-15-97	G-9-15-128	RSK-3-15-19	G-1-16-1316	AFJ-12-15-7	G-1-16-1317	AFJ-12-15-4	
ii.	Ht. at test load	508	466	510	468	512	471	512	471	
iii.	Align .deviation	14	15	10	15	18	6	18	4	
11.3	Items traceability:									
	Sno.	Item			PP Side Bogie		NPP side Bogie		Make	
	i.	Primary Outer Spring			G-15-9		G-15-9		GF	
	ii.	Primary inner Spring			G-15-9		G-15-9		GF	
	iii.	Primary Damper			0870,0783,910,0909		0710,0573,0931,0912		KNORR	
	iv.	Secondary damper			0443,0428		0430,0354		KNORR	
	v.	Lateral Damper			104		144		KNORR	
	vi.	Yaw Damper							NIL	
	vii.	Brake cylinder & Caliper			03678/261,K4842/260 03679/261,4840/260		K3676/261,K3642/261 03677/261,K3641/261		KBI	
	viii.	Brake Disc							KBI	
	ix.	Ball joint Control arm							GMT	
	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							BHAM	
	xvi.	Rubber spring							GMT	
	xvii.	Anti roll bar make							SARITA	
	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.	6012	DISPATCH DATE			7.7.2016	
2.	Railway		Type	LWLRRM	Coach No.	163984	
3.	Booked to	SSE/C&W/					
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	1104		
	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	APEX	87		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:			Make			
	i.	BRAKE EQUIPMENT		KBI			
	iii.	BIO TANK		RAIL FAB			
	iv.	SEATS/S&B		GANDHI			
	v.	BODY SIDE DOOR		SUKATA			
	vi.	VESTIBULE SLIDING DOOR		HANSPAL			
	vii.	CREW-GEN & GUARD ROOM DOOR		JBM/JBM			
	viii.	WATER TANKS		KUTEER,MANOJ			
	ix	FUEL TANK		SHIVALIK			
	x	UIC VESTIBULE		ESCORT			
	XI	FLOOR BOARD		TAYAL			
	XII	PVC		RESPONSIVE			
		LP SHEET		PL			
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			
			6012	NR	LWLRRM	163984/C	25-06-2016			
11.1	Wheel & Axle Details:		LPC-I PP Side(Guard)				LPC-II NPP Side (Non guard)			
	i.	Bogie No.	166526				166527			
	ii.	Frame No.	FIAT-4874				FIAT-4849			
	iii.	Bolster No.	5873-PS				5650-VT			
	iv.	Axle No.	N-6840		N-5790		N-0917		N-6193	
	v.	Wheel Dia.	916.00	916.00	917.00	917.00	917.00	917.00	917.00	917.00
	vi.	Wheel Disc No.	13353-00154	13351-00255	13350-00211	13350-00103	7298-00123	7298-00429	13350-00173	13353-00032
	vii.	R.B. Nos.	35688	34246	33943	34165	29995	22352	29980	30002
	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-15-9-234	RSK-16-1-282	G-15-9-196	RSK-16-1-131	G-16-1-1286	G-15-9-079	G-16-1-1275	G-15-9-041	
ii.	Ht. at test load	512	468	512	469	513	468	513	470	
iii.	Align .deviation	2	8	4	9	18	11	19	12	
11.3	Items traceability:									
	Sno.	Item	PP Side Bogie			NPP side Bogie			Make	
	i.	Primary Outer Spring	G-15-9			G-15-9			GF	
	ii.	Primary inner Spring	G-15-9			G-15-9			GF	
	iii.	Primary Damper	0788,0800,0766,0937			0804,0642,0712,0713			KNORR	
	iv.	Secondary damper	1333,1340			919,1344			GEREP	
	v.	Lateral Damper	226			156			GEREP	
	vi.	Yaw Damper							NIL	
	vii.	Brake cylinder & Caliper	3698/261,K3730/260 3696/261,K3774/260			3688/261,3730/261 3687/261,3728/261			KBI	
	viii.	Brake Disc							FTI	
	ix.	Ball joint Control arm							GMT	
	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							BHAM	
	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				

LWLRRM 6012



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रोलिंग स्टॉक प्रमाण-पत्र

ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	6016	DISPATCH DATE			28.07.2016	
2.	Railway	NR	Type	LWLRRM	Coach No.	163986	
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)	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	Max Pressure in BC	6 -10 sec	6 Sec		
		All Brake are applied		3.00 ± 0.15 Kg/cm ²	3.00		
7.2	Insensitivity	Exhaust BP @ 0.3 kg/cm ² /min		OK	OK		
7.3	Sensitivity	Exhaust BP @ 0.1 kg/cm ² /Sec, After 02 Sec.		No brake application	OK		
				Brake must apply	OK		
8.	PAINTING DEATAILS:		TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE		
8.1	PAINT	PU PAINT	APEX	85			
8.2	APPLICATION OF PCN-123	SATISFACTORY					
8.3	INSUALTION	SATISFACTORY					
9.	Traceability of Furnishing Items:			Make			
i.	BRAKE EQUIPMENT			KBI			
iii.	BIO TANK			RAIL FAB			
iv.	SEATS/S&B			ARR KAYEE			
v.	BODY SIDE DOOR			SUKATA			
vi.	VESTIBULE SLIDING DOOR			HANSPAL			
vii.	CREW-GEN & GUARD ROOM DOOR			JBM/JBM			
viii.	WATER TANKS			AMIT,MANOJ,SHIVALIK			
ix	FUEL TANK			GAURAV			
x	UIC VESTIBULE			KRP			
XI	FLOOR BOARD			TAYAL			
XII	PVC			RESPONSIVE			
XII	LP SHEET						
10.	Modification / Trail (if any):					NIL	
10.1	Deviations if any:					NIL	
10.2						NIL	



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11.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			163986		NR		LWLRRM		163986		21-07-2016	
11.1	Wheel & Axle Details:		LPC-I PP Side(Guard)					LPC-II NPP Side (Non guard)				
	i.	Bogie No.	166633					166634				
	ii.	Frame No.	FIAT-5047					FIAT-5025				
	iii.	Bolster No.	5988-VT					5952-VT				
	iv.	Axle No.	P-9702		N-6926		N-1013		N-0478			
	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.	13353-00086	13353-00164	13109-00033	13353-00152	13352-00213	13353-00177	13352-00317	13354-00126		
	vii.	R.B. Nos.	03725	03726	05100	02809	01582	05466	03884	04607		
	viii.	R.B. Make	TIMKEN		TIMKEN		TIMKEN		TIMKEN			
	ix.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING									
v/v	Secondary suspension load deflection Values:											
i.	Description		Secondary 1		Secondary 2		Secondary 1		Secondary 2			
			Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner		
	Make & nos.		RSK-16-1-	RSK-16-1-	RSK-16-1-	RSK-16-1-	RSK-16-5-	AFJ-15-12-	RSK-16-5-	AFJ-15-12-		
	Ht. at test load		512	466	511	467	514	471	515	471		
Align .deviation		4	6	4	1	13	4	16	6			
11.3	Items traceability:											
	Sno.	Item			PP Side Bogie			NPP side Bogie			Make	
	i.	Primary Outer Spring			GBD-15-6			GBD-15-6			GBD	
	ii.	Primary inner Spring			GBD-16-6			GBD-16-6			GBD	
	iii.	Primary Damper			1443,1440,1356,1360			1383,1447,1373,1425			KNORR	
	iv.	Secondary damper			366,0455			0383,0372			KNORR	
	v.	Lateral Damper			242			236			KNORR	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper			3883/261,K3842/260 3598/261,3833/260			3698/261,3702/261 3892/261,3733/261			KBI	
	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									GMT	
	xv.	Secondary rubber pad									TECSPAK	
	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	

