



रेल डिब्बा कारखाना, कपूरथला  
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	6003	DISPATCH DATE				31.5.2016	
2.	Railway	NR	Type	LWACCN	Coach No.	163962		
3.	Booked to	SSE/C&W/NDLS						
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 )	FAVELLY		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 <sup>2</sup>		6 –10 sec	6 Sec		
			Max Pressure in BC		3.80 ± 0.15 Kg/cm <sup>2</sup>	3.80		
			All Brake are applied		OK	OK		
	7.2	Insensitivity	Exhaust BP @ 0.3 kg/cm <sup>2</sup> /min		No brake application	OK		
	7.3	Sensitivity	Exhaust BP @ 0.1 kg/cm <sup>2</sup> /Sec, After 02 Sec.		Brake must apply	OK		
8.	PAINTING DEATAILS:		TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE			
	8.1	PAINT	PU PAINT	VIBGYOR	88/91			
	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 FAB		
	iii.	SEATS/ BERTHS				OVPL		
	iv.	BODY SIDE DOOR				JBM		
	v.	VESTIBULE SLIDING DOOR				HANSPAL		
	vii.	WATER TANKS				MANOJ,SHIVALIK		
	viii.	UIC VESTIBULE				ESCORT		
	ix	FLOOR BOARD				TAYAL		
	X	PVC				RESPONSIVE		
10.								
	10.1	Modification / Trail (if any):						
	10.2	Deviations if any:					NIL	



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11.	<b>Bogie Details:</b>		Shell No.	Railway	Type	Coach No.	Dispatch Date			
			6003	NR	LWACCN	163962	26-02-2016			
11.1	<b>Wheel &amp; Axle Details:</b>		PP Side				NPP Side			
	i.	Bogie No.	166070				166071			
	ii.	Frame No.	FIAT-4604				FIAT-4613			
	iii.	Bolster No.	5437-VT				5348-P			
	iv.	Axle No.	R-3328		130078/986		127788/987		125620/377	
	v.	Wheel Dia.	915.50	915.50	916.00	916.00	915.00	915.00	915.00	915.00
	vi.	Wheel Disc No.	07301-00032	6226-00034	06234-00030	6226-00026	6210-00069	7290-00021	6230-00009	6210-00168
	vii.	R.B. Nos.	33964	01171	33981	01181	35319	35318	33970	33979
	viii.	R.B. Make	SKF		SKF		SKF		SKF	
	ix.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING							
11.2	<b>Secondary suspension load deflection Values:</b>									
<b>Description</b>		Secondary 1		Secondary 2		Secondary 1		Secondary 2		
		Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner	
i.	Make & nos.	FSK-15-9-44	RSK-15-3-287	FSK-15-9-11	RSK-15-3-191	FSK-15-9-28	RSK-15-3-103	FSK-15-9-3	RSK-15-3-260	
ii.	Ht. at test load	510.50	466	512	468	515	464	514	463	
iii.	Align .deviation	8	41	9	43	8	29	11	31	
11.3	<b>Items traceability:</b>									
	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-15-6			FSK-15-6		FSK		
	iii.	Primary Damper	1827,1847,1855,1835			1860,1867,1823,1806		GEREP		
	iv.	Secondary damper	394,399			377,583		GEREP		
	v.	Lateral Damper	174			501		GEREP		
	vi.	Yaw Damper						NIL		
	vii.	Brake cylinder & Caliper	2977/691,3021/691 2973/691,3222/691			2973/691,3028/691 2970/691,2995/691		KBI		
	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						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				

LWACCN 6003



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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	5085	DISPATCH DATE				<b>13.6.2016</b>
2.	Railway	NR	Type	<b>LWACCN</b>	Coach No.	<b>163958</b>	
3.	Booked to	<b>SSE/C&amp;W/NDLS</b>					
4.	Tare Weight of Coach	<b>45.6 T</b>					
5.	Carrying Capacity	Seating	72	<b>Sleeping</b>	72	Luggage	<b>NIL</b>
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 )	<b>FAVELLY</b>		<b>Fiba Device</b>	<b>NIL</b>	
7.	Air Brake Testing:		Description		Specified	Observed	
	7.1	Full Brake Application	Reduce pressure of BP from 5.0 to 3.4 kg/cm <sup>2</sup>		6 –10 sec	6 Sec	
			Max Pressure in BC		3.80 ± 0.15 Kg/cm <sup>2</sup>	3.80	
			All Brake are applied		OK	OK	
	7.2	Insensitivity	Exhaust BP @ 0.3 kg/cm <sup>2</sup> /min		No brake application	OK	
	7.3	Sensitivity	Exhaust BP @ 0.1 kg/cm <sup>2</sup> /Sec, After 02 Sec.		Brake must apply	OK	
8.	PAINTING DEATAILS:		TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE		
	8.1	PAINT	<b>PU PAINT</b>	<b>VIBGYOR</b>	<b>88/91</b>		
	8.2	APPLICATION OF PCN-123	<b>SATISFACTORY</b>				
	8.3	INSUALTION	<b>SATISFACTORY</b>				
9.	Traceability of Furnishing Items:		Make				
	i.	BRAKE EQUIPMENT	<b>KBI</b>				
	ii.	CDTS/ BIO TOILET	<b>RAIL FAB</b>				
	iii.	SEATS/ BERTHS	<b>SAVITRY</b>				
	iv.	BODY SIDE DOOR	<b>JBM</b>				
	v.	VESTIBULE SLIDING DOOR	<b>HP</b>				
	vii.	WATER TANKS	<b>SHIVALIK</b>				
	viii.	UIC VESTIBULE	<b>ESCORT</b>				
	ix	<b>FLOOR BOARD</b>	<b>TAYAL</b>				
	X	<b>PVC</b>	<b>RESPONSIVE</b>				
10.							
	10.1	Modification / Trail (if any):					
	10.2	Deviations if any:				<b>NIL</b>	



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11.	<b>Bogie Details:</b>		<b>Shell No.</b>		<b>Railway</b>		<b>Type</b>		<b>Coach No.</b>		<b>Dispatch Date</b>	
			5085		NR		LWACCN		163958		13-05-2016	
11.1	<b>Wheel &amp; Axle Details:</b>		<b>PP Side</b>					<b>NPP Side</b>				
	i.	<b>Bogie No.</b>	166391					166392				
	ii.	<b>Frame No.</b>	FIAT-BGB-46					FIAT-3775				
	iii.	<b>Bolster No.</b>	5769-VT					5768-VT				
	iv.	<b>Axle No.</b>	A-2798		K-6532		N-0904		K-3006			
	v.	<b>Wheel Dia.</b>	916.00	916.00	917.00	917.00	917.00	917.00	917.00	917.00	917.00	
	vi.	<b>Wheel Disc No.</b>	7300-00146	7300-00111	7277-00149	7277-00068	07302-00056	7280-00005	7283-00111	7291-00116		
	vii.	<b>R.B. Nos.</b>	01158	06161	03625	03041	05566	05027	02588	03789		
	viii.	<b>R.B. Make</b>	TIMKEN		TIMKEN		TIMKEN		TIMKEN			
	ix.	<b>RB Type</b>	UIC CARTRIDGE TAPER ROLLER BEARING									
11.2	<b>Secondary suspension load deflection Values:</b>											
	<b>Description</b>		<b>Secondary 1</b>		<b>Secondary 2</b>		<b>Secondary 1</b>		<b>Secondary 2</b>			
			Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner		
i.	<b>Make &amp; nos.</b>	DN-15-6-2041	RSK-15-5-007	DN-15-6-2035	RSK-15-5-047	DN-15-6-2004	RSK-15-5-009	DN-15-6-2071	RSK-15-5-057			
ii.	<b>Ht. at test load</b>	511	467	513	465	513	465	514	467			
iii.	<b>Align .deviation</b>	16	39	17	41	13	24	14	28			
11.3	<b>Items traceability:</b>											
	<b>Sno.</b>	<b>Item</b>			<b>PP Side Bogie</b>			<b>NPP side Bogie</b>			<b>Make</b>	
	i.	Primary Outer Spring			RSK-15-10			RSK-15-10			RSK	
	ii.	Primary inner Spring			G-15-9			G-15-9			GF	
	iii.	Primary Damper			480,427,1229,769			383,377,446,750			GEREP	
	iv.	Secondary damper			115,121			161,156			GEREP	
	v.	Lateral Damper			290			160			GEREP	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper			2965/691,2992/691 2976/691,2991/691			2958/691,3029/691 2957/691,3030/691			KBI	
	viii.	Brake Disc									FTI	
	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	
	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.	<b>Modification / Trial (if any):</b>						NIL				
	ii.	<b>Deviations (if any):</b>						NIL				



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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	6007	DISPATCH DATE				<b>09.6.2016</b>
2.	Railway	NR	Type	<b>LWACCN</b>	Coach No.	<b>163963</b>	
3.	Booked to		<b>SSE/C&amp;W/NDLS</b>				
4.	Tare Weight of Coach		<b>45.6 T</b>				
5.	Carrying Capacity	Seating	72	<b>Sleeping</b>	72	Luggage	<b>NIL</b>
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	1105	
	v)	Buffer/CBC (Make )	<b>FAVELLY</b>		<b>Fiba Device</b>	<b>NIL</b>	
7.	Air Brake Testing:		Description		Specified	Observed	
	7.1	Full Brake Application	Reduce pressure of BP from 5.0 to 3.4 kg/cm <sup>2</sup>		6 –10 sec	6 Sec	
			Max Pressure in BC		3.80 ± 0.15 Kg/cm <sup>2</sup>	3.80	
			All Brake are applied		OK	OK	
	7.2	Insensitivity	Exhaust BP @ 0.3 kg/cm <sup>2</sup> /min		No brake application	OK	
	7.3	Sensitivity	Exhaust BP @ 0.1 kg/cm <sup>2</sup> /Sec, After 02 Sec.		Brake must apply	OK	
8.	PAINTING DEATAILS:		TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE		
	8.1	PAINT	<b>PU PAINT</b>	<b>GS</b>	<b>85/85</b>		
	8.2	APPLICATION OF PCN-123	<b>SATISFACTORY</b>				
	8.3	INSUALTION	<b>SATISFACTORY</b>				
9.	Traceability of Furnishing Items:		Make				
	i.	BRAKE EQUIPMENT	<b>KBI</b>				
	ii.	CDTS/ BIO TOILET	<b>RAIL FAB</b>				
	iii.	SEATS/ BERTHS	<b>ARR KAYY</b>				
	iv.	BODY SIDE DOOR	<b>JBM</b>				
	v.	VESTIBULE SLIDING DOOR	<b>HP</b>				
	vii.	WATER TANKS	<b>SHIVALIK,AMIT,MANOJ</b>				
	viii.	UIC VESTIBULE	<b>KRP</b>				
	ix	<b>FLOOR BOARD</b>	<b>TAYAL</b>				
	X	<b>PVC</b>	<b>RESPONSIVE</b>				
10.							
	10.1	Modification / Trail (if any):					
	10.2	Deviations if any:				<b>NIL</b>	



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11.	<b>Bogie Details:</b>		<b>Shell No.</b>		<b>Railway</b>		<b>Type</b>		<b>Coach No.</b>		<b>Dispatch Date</b>	
			6007		NR		LWACCN		163963		18-05-2016	
11.1	<b>Wheel &amp; Axle Details:</b>		<b>PP Side</b>					<b>NPP Side</b>				
	i.	<b>Bogie No.</b>	166409					166410				
	ii.	<b>Frame No.</b>	BGB-26					BGB-31				
	iii.	<b>Bolster No.</b>	5775-VT					5777-VT				
	iv.	<b>Axle No.</b>	K-6375		K-3252		128380/991		129194/992			
	v.	<b>Wheel Dia.</b>	916.00	916.00	916.00	916.00	916.00	916.00	916.00	916.00	916.00	
	vi.	<b>Wheel Disc No.</b>	7277-00147	7298-00191	7280-00066	7277-00035	6227-00187	7290-00040	6229-00221	06206-00176		
	vii.	<b>R.B. Nos.</b>	05046	04522	02451	07067	33893	35184	02843	30622		
	viii.	<b>R.B. Make</b>	TIMKEN		TIMKEN		SKF		SKF			
	ix.	<b>RB Type</b>	UIC CARTRIDGE TAPER ROLLER BEARING									
11.2	<b>Secondary suspension load deflection Values:</b>											
	<b>Description</b>		<b>Secondary 1</b>		<b>Secondary 2</b>		<b>Secondary 1</b>		<b>Secondary 2</b>			
			Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner		
i.	<b>Make &amp; nos.</b>	DN-15-6-1977	GBD-16-3-63	DN-15-6-1837	GBD-16-3-35	DN-15-6-1998	GBD-16-3-79	DN-15-6-2043	GBD-16-3-81			
ii.	<b>Ht. at test load</b>	514	468	512	468	514	467	513	467			
iii.	<b>Align .deviation</b>	12	7	12	7	15	7	13	7			
11.3	<b>Items traceability:</b>											
	<b>Sno.</b>	<b>Item</b>			<b>PP Side Bogie</b>			<b>NPP side Bogie</b>			<b>Make</b>	
	i.	Primary Outer Spring			RSK-15-11			RSK-15-10			RSK	
	ii.	Primary inner Spring			G-15-9			G-15-9			GF	
	iii.	Primary Damper			0425,0579,0563,0585			0555,0469,0418,0419			KNORR	
	iv.	Secondary damper			1262,1476			1085,938			GEREP	
	v.	Lateral Damper			223			217			GEREP	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper			2917/691,2971/691 2926/691,2969/691			2925/691,2972/691 2924/691,2970/691			KBI	
	viii.	Brake Disc									FTI,KBI	
	ix.	Ball joint Control arm									GMT	
	x.	Lateral Bump stop									MGN	
	xi.	Traction center make									EMSON	
	xii.	Traction lever make									SARITA	
	xiii.	Ball joint traction lever									GMT	
	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.	<b>Modification / Trial (if any):</b>						NIL				
	ii.	<b>Deviations (if any):</b>						NIL				



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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	6010	DISPATCH DATE				13.6.2016
2.	Railway	NR	Type	LWACCN	Coach No.	163966	
3.	Booked to	SSE/C&W/NDLS					
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		1104	1105	
	v)	Buffer/CBC (Make )	ESCORT		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 <sup>2</sup>		6 –10 sec	6 Sec	
			Max Pressure in BC		3.80 ± 0.15 Kg/cm <sup>2</sup>	3.80	
			All Brake are applied		OK	OK	
	7.2	Insensitivity	Exhaust BP @ 0.3 kg/cm <sup>2</sup> /min		No brake application	OK	
	7.3	Sensitivity	Exhaust BP @ 0.1 kg/cm <sup>2</sup> /Sec, After 02 Sec.		Brake must apply	OK	
8.	PAINTING DEATAILS:		TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE		
	8.1	PAINT	PU PAINT	VIBGYOR	90/91		
	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 FAB	
	iii.	SEATS/ BERTHS				ARR KAYY	
	iv.	BODY SIDE DOOR				JBM	
	v.	VESTIBULE SLIDING DOOR				HP	
	vii.	WATER TANKS				SHIVALIK,AMIT,	
	viii.	UIC VESTIBULE				KRP	
	ix	FLOOR BOARD				TAYAL	
	X	PVC				RESPONSIVE	
10.							
	10.1	Modification / Trail (if any):					
	10.2	Deviations if any:					NIL



रेल डिब्बा कारखाना, कपूरथला  
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11.	<b>Bogie Details:</b>		<b>Shell No.</b>		<b>Railway</b>		<b>Type</b>		<b>Coach No.</b>		<b>Dispatch Date</b>	
			6010		NR		LWACCN		163966		18-05-2016	
11.1	<b>Wheel &amp; Axle Details:</b>		<b>PP Side</b>					<b>NPP Side</b>				
	i.	<b>Bogie No.</b>	166413					166414				
	ii.	<b>Frame No.</b>	FIAT-FM-495					FIAT-FM-489				
	iii.	<b>Bolster No.</b>	5789-VT					5759-VT				
	iv.	<b>Axle No.</b>	N-0324		K-3475			N-1033		N-0771		
	v.	<b>Wheel Dia.</b>	917.00	917.00	917.00	917.00	917.00	917.00	917.00	917.00	917.00	
	vi.	<b>Wheel Disc No.</b>	7298-00018	7283-00168	7289-00043	7299-00125	7292-00032	7277-00173	6204-00015	07298-00158		
	vii.	<b>R.B. Nos.</b>	06073	04677	04711	05093	05244	05252	04586	04543		
	viii.	<b>R.B. Make</b>	TIMKEN		TIMKEN			TIMKEN		TIMKEN		
	ix.	<b>RB Type</b>	UIC CARTRIDGE TAPER ROLLER BEARING									
11.2	<b>Secondary suspension load deflection Values:</b>											
	<b>Description</b>		<b>Secondary 1</b>		<b>Secondary 2</b>		<b>Secondary 1</b>		<b>Secondary 2</b>			
			Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner		
i.	<b>Make &amp; nos.</b>	DN-15-6-2021	GBD-16-3-72	DN-15-6-2013	GBD-16-3-73	DN-16-6-1862	GBD-16-3-68	DN-16-6-1938	GBD-16-3-80			
ii.	<b>Ht. at test load</b>	515	466	514	465	512	467	511	465			
iii.	<b>Align .deviation</b>	15	9	13	8	12	7	12	7			
11.3	<b>Items traceability:</b>											
	<b>Sno.</b>	<b>Item</b>			<b>PP Side Bogie</b>			<b>NPP side Bogie</b>			<b>Make</b>	
	i.	Primary Outer Spring			RSK-15-10			RSK-15-10			RSK	
	ii.	Primary inner Spring			G-15-9			G-15-9			GF	
	iii.	Primary Damper			2052,2088,2133,1321			2114,2208,20711027			GEREP	
	iv.	Secondary damper			1004,944			1092,925			GEREP	
	v.	Lateral Damper			80			217			GEREP	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper			2949/691,2968/691 2950/691,2956/691			2951/691,2941/691 2922/691,2955/691			KBI	
	viii.	Brake Disc									FTI	
	ix.	Ball joint Control arm									MGN,GMT	
	x.	Lateral Bump stop									MGN	
	xi.	Traction center make									EMSON	
	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									SARITA	
11.4	i.	<b>Modification / Trial (if any):</b>						NIL				
	ii.	<b>Deviations (if any):</b>						NIL				





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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	5086	DISPATCH DATE				13.6.2016
2.	Railway	NR	Type	LWACCN	Coach No.	163972	
3.	Booked to	SSE/C&W/NDLS					
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	1105		
	v)	Buffer/CBC (Make )	FAVELLY	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 <sup>2</sup>	6 –10 sec	6 Sec		
			Max Pressure in BC	3.80 ± 0.15 Kg/cm <sup>2</sup>	3.80		
			All Brake are applied	OK	OK		
	7.2	Insensitivity	Exhaust BP @ 0.3 kg/cm <sup>2</sup> /min	No brake application	OK		
	7.3	Sensitivity	Exhaust BP @ 0.1 kg/cm <sup>2</sup> /Sec, After 02 Sec.	Brake must apply	OK		
8.	PAINTING DEATAILS:		TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE		
	8.1	PAINT	PU PAINT	VIBGYOR	89/89		
	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			RAIL FAB		
	iii.	SEATS/ BERTHS			ARR KAYY		
	iv.	BODY SIDE DOOR			JBM		
	v.	VESTIBULE SLIDING DOOR			HP		
	vii.	WATER TANKS			SHIVALIK,		
	viii.	UIC VESTIBULE			ESCORT		
	ix	FLOOR BOARD			TAYAL		
	X	PVC			RESPONSIVE		
10.							
	10.1	Modification / Trail (if any):					
	10.2	Deviations if any:					NIL



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11.	<b>Bogie Details:</b>		<b>Shell No.</b>		<b>Railway</b>		<b>Type</b>		<b>Coach No.</b>		<b>Dispatch Date</b>	
			5086		NR		LWACCN		163972		06-05-2016	
11.1	<b>Wheel &amp; Axle Details:</b>		<b>PP Side</b>					<b>NPP Side</b>				
	i.	<b>Bogie No.</b>	166389					166390				
	ii.	<b>Frame No.</b>	FIAT-3788					FIAT-BGB-27				
	iii.	<b>Bolster No.</b>	5756-VT					5762-VT				
	iv.	<b>Axle No.</b>	K-6517		N-0645		128210/984		126730/468			
	v.	<b>Wheel Dia.</b>	917.00	917.00	917.00	917.00	917.00	917.00	916.00	916.00		
	vi.	<b>Wheel Disc No.</b>	7280-00017	7280-00100	7304-00170	07302-00060	6204-00049	6204-00080	6204-00077	6204-00099		
	vii.	<b>R.B. Nos.</b>	03339	03307	04094	04197	04336	05203	05545	04620		
	viii.	<b>R.B. Make</b>	TIMKEN		TIMKEN		TIMKEN		TIMKEN			
	ix.	<b>RB Type</b>	UIC CARTRIDGE TAPER ROLLER BEARING									
11.2	<b>Secondary suspension load deflection Values:</b>											
	<b>Description</b>		<b>Secondary 1</b>		<b>Secondary 2</b>		<b>Secondary 1</b>		<b>Secondary 2</b>			
			Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner		
i.	<b>Make &amp; nos.</b>	DN-15-6-202	RSK-15-3-0129	DN-15-6-2015	RSK-15-3-015	DN-15-6-2001	RSK-15-3-154	DN-15-6-1906	RSK-15-3-142			
ii.	<b>Ht. at test load</b>	511	466	511	466	512	468	514	468			
iii.	<b>Align .deviation</b>	14	42	12	39	12	42	12	44			
11.3	<b>Items traceability:</b>											
	<b>Sno.</b>	<b>Item</b>			<b>PP Side Bogie</b>			<b>NPP side Bogie</b>			<b>Make</b>	
	i.	Primary Outer Spring			RSK-15-10			RSK-15-10			RSK	
	ii.	Primary inner Spring			G-15-9			G-15-9			GF	
	iii.	Primary Damper			441,762,713,1306			1212,774,726,755			GEREP	
	iv.	Secondary damper			155,114			108,67			GEREP	
	v.	Lateral Damper			201			175			GEREP	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper			2931/691,2937/691 2921/691,2932/691			2929/691,2636/691 2932/691,2933/691			KBI	
	viii.	Brake Disc									FTI	
	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	
	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.	<b>Modification / Trial (if any):</b>					NIL					
	ii.	<b>Deviations (if any):</b>					NIL					



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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	6001	DISPATCH DATE				13.6.2016
2.	Railway	NR	Type	LWACCN	Coach No.	163967	
3.	Booked to	SSE/C&W/NDLS					
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 )	FAVELLY		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 <sup>2</sup>		6 –10 sec	6 Sec	
			Max Pressure in BC		3.80 ± 0.15 Kg/cm <sup>2</sup>	3.80	
			All Brake are applied		OK	OK	
	7.2	Insensitivity	Exhaust BP @ 0.3 kg/cm <sup>2</sup> /min		No brake application	OK	
	7.3	Sensitivity	Exhaust BP @ 0.1 kg/cm <sup>2</sup> /Sec, After 02 Sec.		Brake must apply	OK	
8.	PAINTING DEATAILS:		TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE		
	8.1	PAINT	PU PAINT	VIBGYOR	88/88		
	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 FAB				
	iii.	SEATS/ BERTHS	ARR KAYY				
	iv.	BODY SIDE DOOR	SUKATA				
	v.	VESTIBULE SLIDING DOOR	HP				
	vii.	WATER TANKS	SHIVALIK,AMIT,MANOJ				
	viii.	UIC VESTIBULE	KRP				
	ix	FLOOR BOARD	TAYAL				
	X	PVC	RESPONSIVE				
10.							
	10.1	Modification / Trail (if any):					
	10.2	Deviations if any:				NIL	



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11.	<b>Bogie Details:</b>		<b>Shell No.</b>		<b>Railway</b>		<b>Type</b>		<b>Coach No.</b>		<b>Dispatch Date</b>	
			6001		NR		LWACCN		163967		17-05-2016	
11.1	<b>Wheel &amp; Axle Details:</b>		<b>PP Side</b>				<b>NPP Side</b>					
	i.	<b>Bogie No.</b>	166423				166424					
	ii.	<b>Frame No.</b>	FIAT-3540				BGB-25					
	iii.	<b>Bolster No.</b>	5802-VT				5662-PS					
	iv.	<b>Axle No.</b>	N-0900		N-5977		N-0688			K-3015		
	v.	<b>Wheel Dia.</b>	917.00	917.00	917.00	917.00	917.00	917.00	917.00	917.00	917.00	917.00
	vi.	<b>Wheel Disc No.</b>	7279-00188	07302-00154	7303-00048	7279-00112	6204-00029	07298-00153	7275-00024	7280-00007		
	vii.	<b>R.B. Nos.</b>	03346	05189	04765	03214	05407	04636	04293	05482		
	viii.	<b>R.B. Make</b>	TIMKEN		TIMKEN		TIMKEN			TIMKEN		
	ix.	<b>RB Type</b>	UIC CARTRIDGE TAPER ROLLER BEARING									
11.2	<b>Secondary suspension load deflection Values:</b>											
	<b>Description</b>		<b>Secondary 1</b>		<b>Secondary 2</b>		<b>Secondary 1</b>		<b>Secondary 2</b>			
			Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner		
i.	<b>Make &amp; nos.</b>	DN-15-6-1842	GBD-16-3-76	DN-15-6-1922	GBD-16-3-75	DN-15-6-1889	GBD-16-3-66	DN-15-6-1930	GBD-16-3-17			
ii.	<b>Ht. at test load</b>	513	467	514	468	511	468	510	466			
iii.	<b>Align .deviation</b>	13	7	13	9	8	9	8	7			
11.3	<b>Items traceability:</b>											
	<b>Sno.</b>	<b>Item</b>			<b>PP Side Bogie</b>			<b>NPP side Bogie</b>			<b>Make</b>	
	i.	Primary Outer Spring			RSK-15-10			RSK-15-10			RSK	
	ii.	Primary inner Spring			G-15-9			G-15-9			GF	
	iii.	Primary Damper			0407,0457,0461,0422			0474,0581,0399,0569			KNORR	
	iv.	Secondary damper			1594,1315			1538,1514			GEREP	
	v.	Lateral Damper			174			48			GEREP	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper			2944/691,2935/691 2943/691,2934/691			2945/691,2945/691 2940/691,2944/691			KBI	
	viii.	Brake Disc									FTI	
	ix.	Ball joint Control arm									GMT	
	x.	Lateral Bump stop									MGN	
	xi.	Traction center make									EMSON	
	xii.	Traction lever make									SARITA	
	xiii.	Ball joint traction lever									MGN,GMT	
	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.	<b>Modification / Trial (if any):</b>						NIL				
	ii.	<b>Deviations (if any):</b>						NIL				



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Form No. : QMF 9454; Version: 1

1.	SHELL No.	6017	DISPATCH DATE				15.6.2016
2.	Railway	NR	Type	LWACCN	Coach No.	163974	
3.	Booked to	SSE/C&W/NDLS					
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 )	ESCORT		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 <sup>2</sup>		6 –10 sec	6 Sec	
			Max Pressure in BC		3.80 ± 0.15 Kg/cm <sup>2</sup>	3.80	
			All Brake are applied		OK	OK	
	7.2	Insensitivity	Exhaust BP @ 0.3 kg/cm <sup>2</sup> /min		No brake application	OK	
	7.3	Sensitivity	Exhaust BP @ 0.1 kg/cm <sup>2</sup> /Sec, After 02 Sec.		Brake must apply	OK	
8.	PAINTING DEATAILS:		TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE		
	8.1	PAINT	PU PAINT	VIBGYOR	80/88		
	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 FAB	
	iii.	SEATS/ BERTHS				OVPL	
	iv.	BODY SIDE DOOR				SUKATA,JBM	
	v.	VESTIBULE SLIDING DOOR				HP	
	vii.	WATER TANKS				SHIVALIK,kuteer,MANOJ	
	viii.	UIC VESTIBULE				KRP	
	ix	FLOOR BOARD				TAYAL	
	X	PVC				RESPONSIVE	
10.							
	10.1	Modification / Trail (if any):					
	10.2	Deviations if any:					NIL

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<b>11.</b>	<b>Bogie Details:</b>		<b>Shell No.</b>	<b>Railway</b>	<b>Type</b>	<b>Coach No.</b>	<b>Dispatch Date</b>			
			6017	NR	LWACCN	163974	24-05-2016			
<b>11.1</b>	<b>Wheel &amp; Axle Details:</b>		<b>PP Side</b>				<b>NPP Side</b>			
	i.	<b>Bogie No.</b>	166437				166438			
	ii.	<b>Frame No.</b>	FM-487				FIAT-4175			
	iii.	<b>Bolster No.</b>	5812-VT				5810-VT			
	iv.	<b>Axle No.</b>	N-5814		N-0536		K-6080		128489/983	
	v.	<b>Wheel Dia.</b>	916.00	916.00	916.00	916.00	919.00	919.00	917.00	917.00
	vi.	<b>Wheel Disc No.</b>	07289-00133	7280-00151	7302-00184	7298-00136	7294-00090	7279-00067	7290-00058	6221-00144
	vii.	<b>R.B. Nos.</b>	04559	04389	04684	04477	05597	05592	03159	05487
	viii.	<b>R.B. Make</b>	TIMKEN		TIMKEN		TIMKEN		TIMKEN	
	ix.	<b>RB Type</b>	UIC CARTRIDGE TAPER ROLLER BEARING							
<b>11.2</b>	<b>Secondary suspension load deflection Values:</b>									
<b>Description</b>		Secondary 1		Secondary 2		Secondary 1		Secondary 2		
		Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner	
i.	<b>Make &amp; nos.</b>	DN-15-6-1970	GBD-16-3-55	DN-15-6-1901	GBD-16-3-49	DN-15-6-1887	GBD-16-3-40	DN-15-6-2026	GBD-16-3-43	
ii.	<b>Ht. at test load</b>	510	468	510	466	513	465.50	513	466	
iii.	<b>Align .deviation</b>	14	8	12	7	13	8	14	9	
<b>11.3</b>	<b>Items traceability:</b>									
	<b>Sno.</b>	<b>Item</b>			<b>PP Side Bogie</b>		<b>NPP side Bogie</b>		<b>Make</b>	
	i.	Primary Outer Spring			RSK-14-5		RSK-15-11		RSK	
	ii.	Primary inner Spring			G-15-9		G-15-9		GF	
	iii.	Primary Damper			26130,24639,25066,25938		0452,0560,0591,0570		KONI GEREP	
	iv.	Secondary damper			921,1051		1484,920		GEREP	
	v.	Lateral Damper			188		177		GEREP	
	vi.	Yaw Damper							NIL	
	vii.	Brake cylinder & Caliper			2920/691,3007/691 2914/691,2992/691		2911/691,2989/691 2919/691,2900/691		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							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.	<b>Modification / Trial (if any):</b>				NIL				
	ii.	<b>Deviations (if any):</b>				NIL				



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Form No. : QMF 9454; Version: 1

1.	SHELL No.	6012	DISPATCH DATE				15.6.2016
2.	Railway	NR	Type	LWACCN	Coach No.	163968	
3.	Booked to	SSE/C&W/NDLS					
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 )	ESCORT	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 <sup>2</sup>	6 –10 sec	6 Sec		
			Max Pressure in BC	3.80 ± 0.15 Kg/cm <sup>2</sup>	3.80		
			All Brake are applied	OK	OK		
	7.2	Insensitivity	Exhaust BP @ 0.3 kg/cm <sup>2</sup> /min	No brake application	OK		
	7.3	Sensitivity	Exhaust BP @ 0.1 kg/cm <sup>2</sup> /Sec, After 02 Sec.	Brake must apply	OK		
8.	PAINTING DEATAILS:		TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE		
	8.1	PAINT	PU PAINT	VIBGYOR	81/88		
	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 FAB				
	iii.	SEATS/ BERTHS	SAVITRY				
	iv.	BODY SIDE DOOR	SUKATA,				
	v.	VESTIBULE SLIDING DOOR	HP				
	vii.	WATER TANKS	SHIVALIK,kuteer,MANOJ				
	viii.	UIC VESTIBULE	KRP				
	ix	FLOOR BOARD	TAYAL				
	X	PVC	RESPONSIVE				
10.							
	10.1	Modification / Trail (if any):					
	10.2	Deviations if any:				NIL	



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11.	<b>Bogie Details:</b>		<b>Shell No.</b>		<b>Railway</b>		<b>Type</b>		<b>Coach No.</b>		<b>Dispatch Date</b>	
			6012		NR		LWACCN		163968		17-05-2016	
11.1	<b>Wheel &amp; Axle Details:</b>		<b>PP Side</b>					<b>NPP Side</b>				
	i.	<b>Bogie No.</b>	166383					166384				
	ii.	<b>Frame No.</b>	BGB-23					FIAT-3557				
	iii.	<b>Bolster No.</b>	5757-VT					5755-VT				
	iv.	<b>Axle No.</b>	N-0820		K-5841		126911/470		N-0560			
	v.	<b>Wheel Dia.</b>	917.00	917.00	916.00	916.00	917.00	917.00	917.00	917.00		
	vi.	<b>Wheel Disc No.</b>	7272-00115	7280-00004	7272-00068	07302-00193	07398-00160	7290-00050	7289-00048	7289-00172		
	vii.	<b>R.B. Nos.</b>	02236	03586	03666	04130	02553	04381	02973	02932		
	viii.	<b>R.B. Make</b>	TIMKEN		TIMKEN		TIMKEN		TIMKEN			
	ix.	<b>RB Type</b>	UIC CARTRIDGE TAPER ROLLER BEARING									
11.2	<b>Secondary suspension load deflection Values:</b>											
<b>Description</b>		<b>Secondary 1</b>		<b>Secondary 2</b>		<b>Secondary 1</b>		<b>Secondary 2</b>				
		Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner			
i.	<b>Make &amp; nos.</b>	DN-15-6-1877	RSK-15-5-497	DN-15-6-1933	RSK-15-5-477	DN-15-6-1912	RSK-15-5-157	DN-15-6-1952	RSK-15-5-164			
ii.	<b>Ht. at test load</b>	512	469	514	466	513	463	513	467			
iii.	<b>Align .deviation</b>	11	38	12	43	7	47	8	50			
11.3	<b>Items traceability:</b>											
	<b>Sno.</b>	<b>Item</b>			<b>PP Side Bogie</b>			<b>NPP side Bogie</b>			<b>Make</b>	
	i.	Primary Outer Spring			RSK-15-10			RSK-15-10			RSK	
	ii.	Primary inner Spring			G-15-9			G-15-9			GF	
	iii.	Primary Damper									GEREP	
	iv.	Secondary damper									GEREP	
	v.	Lateral Damper									GEREP	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper			2913/691,2957/691 2947/691,2958/691			2948/691,3004/691 2934/691,3003/691			KBI	
	viii.	Brake Disc									FTI	
	ix.	Ball joint Control arm									GMT	
	x.	Lateral Bump stop									MGN	
	xi.	Traction center make									EMSON	
	xii.	Traction lever make									SARITA	
	xiii.	Ball joint traction lever									GMT	
	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									JVR	
	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.	6011	DISPATCH DATE			14.6.2016	
2.	Railway	NR	Type	LWACCN	Coach No.	163970	
3.	Booked to	SSE/C&W/NDLS					
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	1104	1105		
	v)	Buffer/CBC (Make )	ESCORT	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 <sup>2</sup>	6 –10 sec	6 Sec		
			Max Pressure in BC	3.80 ± 0.15 Kg/cm <sup>2</sup>	3.80		
			All Brake are applied	OK	OK		
	7.2	Insensitivity	Exhaust BP @ 0.3 kg/cm <sup>2</sup> /min	No brake application	OK		
	7.3	Sensitivity	Exhaust BP @ 0.1 kg/cm <sup>2</sup> /Sec, After 02 Sec.	Brake must apply	OK		
8.	PAINTING DEATAILS:		TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE		
	8.1	PAINT	PU PAINT	VIBGYOR	88/90/92		
	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 FAB				
	iii.	SEATS/ BERTHS	OVPL				
	iv.	BODY SIDE DOOR	SUKATA,JBM				
	v.	VESTIBULE SLIDING DOOR	HP				
	vii.	WATER TANKS	SHIVALIK,kuteer,MANOJ				
	viii.	UIC VESTIBULE	KRP				
	ix	FLOOR BOARD	TAYAL				
	X	PVC	RESPONSIVE				
10.							
	10.1	Modification / Trail (if any):					
	10.2	Deviations if any:				NIL	



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11.	<b>Bogie Details:</b>		<b>Shell No.</b>	<b>Railway</b>	<b>Type</b>	<b>Coach No.</b>	<b>Dispatch Date</b>			
			6011	NR	LWACCN	163970	21-05-2016			
11.1	<b>Wheel &amp; Axle Details:</b>		<b>PP Side</b>				<b>NPP Side</b>			
	i.	<b>Bogie No.</b>	166431				166432			
	ii.	<b>Frame No.</b>	FIAT-4868				FIAT-4857			
	iii.	<b>Bolster No.</b>	5819-VT				5798-VT			
	iv.	<b>Axle No.</b>	K-6451		K-3433		K-3297		N-0567	
	v.	<b>Wheel Dia.</b>	917.00	917.00	917.00	917.00	916.00	916.00	916.00	916.00
	vi.	<b>Wheel Disc No.</b>	7275-00049	7275-00210	7279-00023	7279-00199	7290-00151	7290-00165	7280-00096	7291-00126
	vii.	<b>R.B. Nos.</b>	06178	02880	03207	05651	04801	04307	07106	05239
	viii.	<b>R.B. Make</b>	TIMKEN		TIMKEN		TIMKEN		TIMKEN	
	ix.	<b>RB Type</b>	UIC CARTRIDGE TAPER ROLLER BEARING							
11.2	<b>Secondary suspension load deflection Values:</b>									
	<b>Description</b>		<b>Secondary 1</b>		<b>Secondary 2</b>		<b>Secondary 1</b>		<b>Secondary 2</b>	
			Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner
i.	<b>Make &amp; nos.</b>	DN-15-6-2003	GBD-16-3-074	DN-15-6-2020	GBD-16-3-058	DN-15-6-1997	GBD-16-3-069	DN-15-6-2019	GBD-16-3-078	
ii.	<b>Ht. at test load</b>	512	467	514	468	511	466	512	467	
iii.	<b>Align .deviation</b>	12	4	13	7	9	7	10	8	
11.3	<b>Items traceability:</b>									
	<b>Sno.</b>	<b>Item</b>			<b>PP Side Bogie</b>		<b>NPP side Bogie</b>		<b>Make</b>	
	i.	Primary Outer Spring			RSK-14-5		RSK-14-5		RSK	
	ii.	Primary inner Spring			G-15-9		G-15-9		GF	
	iii.	Primary Damper			0528,0586,0596,0593		0590,0481,0485,0595		KNORR	
	iv.	Secondary damper			1079,1055		929,910		GEREP	
	v.	Lateral Damper			182		224		GEREP	
	vi.	Yaw Damper							NIL	
	vii.	Brake cylinder & Caliper			3322/691,3161/691 3325/691,3160/691		3220/691,3234/691 3218/691,3255/691		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							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							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.	6005	DISPATCH DATE				14.6.2016
2.	Railway	NR	Type	LWACCN	Coach No.		163965
3.	Booked to		SSE/C&W/NDLS				
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 )	FAVELLY		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 <sup>2</sup>		6 –10 sec		6 Sec
			Max Pressure in BC		3.80 ± 0.15 Kg/cm <sup>2</sup>		3.80
			All Brake are applied		OK		OK
	7.2	Insensitivity	Exhaust BP @ 0.3 kg/cm <sup>2</sup> /min		No brake application		OK
	7.3	Sensitivity	Exhaust BP @ 0.1 kg/cm <sup>2</sup> /Sec, After 02 Sec.		Brake must apply		OK
8.	PAINTING DEATAILS:		TYPE OF PAINT		MAKE	AVERAGE GLOSS VALUE	
	8.1	PAINT	PU PAINT		VIBGYOR	88/89	
	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					RAIL FAB
	iii.	SEATS/ BERTHS					SAVITRY
	iv.	BODY SIDE DOOR					SUKATA,
	v.	VESTIBULE SLIDING DOOR					HP
	vii.	WATER TANKS					SHIVALIK, ,MANOJ
	viii.	UIC VESTIBULE					KRP
	ix	FLOOR BOARD					TAYAL
	X	PVC					RESPONSIVE
10.							
	10.1	Modification / Trail (if any):					
	10.2	Deviations if any:					NIL



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11.	<b>Bogie Details:</b>		<b>Shell No.</b>	<b>Railway</b>	<b>Type</b>	<b>Coach No.</b>	<b>Dispatch Date</b>			
			6005	NR	LWACCN	163965	18-05-2016			
11.1	<b>Wheel &amp; Axle Details:</b>		<b>PP Side</b>				<b>NPP Side</b>			
	i.	<b>Bogie No.</b>	166405				166406			
	ii.	<b>Frame No.</b>	BGB-10				BGB-15			
	iii.	<b>Bolster No.</b>	5665-PS				5786-VT			
	iv.	<b>Axle No.</b>	K-3524		K-6070		N-0763		N-0668	
	v.	<b>Wheel Dia.</b>	917.00	917.00	917.00	917.00	917.00	917.00	917.00	917.00
	vi.	<b>Wheel Disc No.</b>	7277-00092	7276-00040	7276-00112	7272-00072	7270-00024	7292-00016	7277-00129	7292-00071
	vii.	<b>R.B. Nos.</b>	04574	03550	03731	04510	03310	06291	03265	04557
	viii.	<b>R.B. Make</b>	TIMKEN		TIMKEN		TIMKEN		TIMKEN	
	ix.	<b>RB Type</b>	UIC CARTRIDGE TAPER ROLLER BEARING							
11.2	<b>Secondary suspension load deflection Values:</b>									
<b>Description</b>		<b>Secondary 1</b>		<b>Secondary 2</b>		<b>Secondary 1</b>		<b>Secondary 2</b>		
		<b>Outer</b>	<b>Inner</b>	<b>Outer</b>	<b>Inner</b>	<b>Outer</b>	<b>Inner</b>	<b>Outer</b>	<b>Inner</b>	
i.	<b>Make &amp; nos.</b>	DN-15-6-1941	GBD-16-3-042	DN-15-5-1950	GBD-16-3-070	DN-15-6-2080	GBD-16-3-064	DN-15-6-2011	GBD-16-3-012	
ii.	<b>Ht. at test load</b>	511	468	512	468	511	467	511	467	
iii.	<b>Align .deviation</b>	9	6	9	7	14	8	16	9	
11.3	<b>Items traceability:</b>									
	<b>Sno.</b>	<b>Item</b>			<b>PP Side Bogie</b>		<b>NPP side Bogie</b>		<b>Make</b>	
	i.	Primary Outer Spring			RSK-15-10		RSK-15-10		RSK	
	ii.	Primary inner Spring			RSK-15-9		RSK-15-9		RSK	
	iii.	Primary Damper			1064,796,1217,483		718,448,420,1230		GEREP	
	iv.	Secondary damper			452,72		135,13		GEREP	
	v.	Lateral Damper			220		228		GEREP	
	vi.	Yaw Damper							NIL	
	vii.	Brake cylinder & Caliper			2303/691,2302/691 2327/691,2323/691		2327/691,2955/691 2326/691,2951/691		KBI	
	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							SARITA	
	xiii.	Ball joint traction lever							GMT,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, SARITA	
11.4	i.	<b>Modification / Trial (if any):</b>			NIL					
	ii.	<b>Deviations (if any):</b>			NIL					



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1.	SHELL No.	6015	DISPATCH DATE				14.6.2016
2.	Railway	NR	Type	LWACCN	Coach No.	163969	
3.	Booked to	SSE/C&W/NDLS					
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 )	ESCORT	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 <sup>2</sup>	6 –10 sec	6 Sec		
			Max Pressure in BC	3.80 ± 0.15 Kg/cm <sup>2</sup>	3.80		
			All Brake are applied	OK	OK		
	7.2	Insensitivity	Exhaust BP @ 0.3 kg/cm <sup>2</sup> /min	No brake application	OK		
	7.3	Sensitivity	Exhaust BP @ 0.1 kg/cm <sup>2</sup> /Sec, After 02 Sec.	Brake must apply	OK		
8.	PAINTING DEATAILS:		TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE		
	8.1	PAINT	PU PAINT	VIBGYOR	85/87		
	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 FAB		
	iii.	SEATS/ BERTHS			OVPL		
	iv.	BODY SIDE DOOR			SUKATA,JBM		
	v.	VESTIBULE SLIDING DOOR			HP		
	vii.	WATER TANKS			SHIVALIK, ,MANOJ,KUTEER		
	viii.	UIC VESTIBULE			KRP		
	ix	FLOOR BOARD			TAYAL		
	X	PVC			RESPONSIVE		
10.							
	10.1	Modification / Trail (if any):					
	10.2	Deviations if any:					NIL



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11.	<b>Bogie Details:</b>		<b>Shell No.</b>		<b>Railway</b>		<b>Type</b>		<b>Coach No.</b>		<b>Dispatch Date</b>	
			6015		NR		LWACCN		163969		23-05-2016	
11.1	<b>Wheel &amp; Axle Details:</b>		<b>PP Side</b>					<b>NPP Side</b>				
	i.	<b>Bogie No.</b>	166433					166434				
	ii.	<b>Frame No.</b>	FIAT-4855					FM-494				
	iii.	<b>Bolster No.</b>	5794-VT					5811-VT				
	iv.	<b>Axle No.</b>	N-0833		126020/475			K-3492		N-0361		
	v.	<b>Wheel Dia.</b>	917.00	917.00	917.00	917.00	917.00	917.00	916.50	916.50		
	vi.	<b>Wheel Disc No.</b>	7279-00041	07298-00194	7274-00107	7280-00179	7280-00113	6204-00025	7271-00010	7277-00090		
	vii.	<b>R.B. Nos.</b>	04379	03305	05666	02922	03535	06163	04827	05053		
	viii.	<b>R.B. Make</b>	TIMKEN		TIMKEN			TIMKEN		TIMKEN		
	ix.	<b>RB Type</b>	UIC CARTRIDGE TAPER ROLLER BEARING									
11.2	<b>Secondary suspension load deflection Values:</b>											
	<b>Description</b>		<b>Secondary 1</b>		<b>Secondary 2</b>		<b>Secondary 1</b>		<b>Secondary 2</b>			
			Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner		
i.	<b>Make &amp; nos.</b>	DN-15-6-1947	GBD-16-3-065	DN-15-6-1971	GBD-16-3-077	DN-15-6-2072	GBD-16-3-060	DN-15-6-1853	GBD-16-3-053			
ii.	<b>Ht. at test load</b>	514	468	514	468	515	467	515	468			
iii.	<b>Align .deviation</b>	12	8	14	8	9	7	10	7			
11.3	<b>Items traceability:</b>											
	<b>Sno.</b>	<b>Item</b>			<b>PP Side Bogie</b>			<b>NPP side Bogie</b>			<b>Make</b>	
	i.	Primary Outer Spring			RSK-14-5			RSK-14-5			RSK	
	ii.	Primary inner Spring			G-15-9			G-15-9			GF	
	iii.	Primary Damper			24310,24617,24317,24615			25505,25866,25509,25501			KNORR	
	iv.	Secondary damper			1496,904			1472,1476			GEREP	
	v.	Lateral Damper			38			238			GEREP	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper			2952/691,3026/691 2962/691,3227/691			2962/691,3025/691 2961/691,3024/691			KBI	
	viii.	Brake Disc									FTI	
	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									GMT	
	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.	<b>Modification / Trial (if any):</b>						NIL				
	ii.	<b>Deviations (if any):</b>						NIL				



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Form No. : QMF 9454; Version: 1

1.	SHELL No.	5077	DISPATCH DATE				13.6.2016
2.	Railway	NR	Type	LWACCN	Coach No.	163959	
3.	Booked to	SSE/C&W/NDLS					
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 )	SANROCK		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 <sup>2</sup>		6 –10 sec	6 Sec	
			Max Pressure in BC		3.80 ± 0.15 Kg/cm <sup>2</sup>	3.80	
			All Brake are applied		OK	OK	
	7.2	Insensitivity	Exhaust BP @ 0.3 kg/cm <sup>2</sup> /min		No brake application	OK	
	7.3	Sensitivity	Exhaust BP @ 0.1 kg/cm <sup>2</sup> /Sec, After 02 Sec.		Brake must apply	OK	
8.	PAINTING DEATAILS:		TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE		
	8.1	PAINT	PU PAINT	VIBGYOR	90/91		
	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 FAB				
	iii.	SEATS/ BERTHS	SAVITRY				
	iv.	BODY SIDE DOOR	,JBM				
	v.	VESTIBULE SLIDING DOOR	HP				
	vii.	WATER TANKS	SHIVALIK, ,MANOJ,				
	viii.	UIC VESTIBULE	ESCORT				
	ix	FLOOR BOARD	TAYAL				
	X	PVC	RESPONSIVE				
10.							
	10.1	Modification / Trail (if any):					
	10.2	Deviations if any:				NIL	



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11.	<b>Bogie Details:</b>		<b>Shell No.</b>		<b>Railway</b>		<b>Type</b>		<b>Coach No.</b>		<b>Dispatch Date</b>	
			5077		NR		LWACCN		163959		04-05-2016	
11.1	<b>Wheel &amp; Axle Details:</b>		<b>PP Side</b>					<b>NPP Side</b>				
	i.	<b>Bogie No.</b>	166381					166382				
	ii.	<b>Frame No.</b>	FIAT-BGB-50					FIAT-BGB-14				
	iii.	<b>Bolster No.</b>	5763-VT					5760-VT				
	iv.	<b>Axle No.</b>	K-3843		K-6310		126853/470		128818/990			
	v.	<b>Wheel Dia.</b>	916.00	916.00	917.00	917.00	916.00	916.00	917.00	917.00		
	vi.	<b>Wheel Disc No.</b>	7302-00090	7275-00160	7274-00112	7289-00115	7275-00114	6204-00178	6204-00202	6204-00209		
	vii.	<b>R.B. Nos.</b>	03913	05459	04655	05336	04672	05299	05686	05308		
	viii.	<b>R.B. Make</b>	TIMKEN		TIMKEN		TIMKEN		TIMKEN			
	ix.	<b>RB Type</b>	UIC CARTRIDGE TAPER ROLLER BEARING									
11.2	<b>Secondary suspension load deflection Values:</b>											
<b>Description</b>		<b>Secondary 1</b>		<b>Secondary 2</b>		<b>Secondary 1</b>		<b>Secondary 2</b>				
		Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner			
i.	<b>Make &amp; nos.</b>	DN-15-6-1945	RSK-15-3-49	DN-15-6-1932	RSK-15-3-003	DN-15-6-1924	RSK-15-3-013	DN-15-6-1868	RSK-15-3-51			
ii.	<b>Ht. at test load</b>	511	465	513	464	513	466	513	464			
iii.	<b>Align .deviation</b>	12	35	13	38	11	29	8	24			
11.3	<b>Items traceability:</b>											
	<b>Sno.</b>	<b>Item</b>			<b>PP Side Bogie</b>			<b>NPP side Bogie</b>			<b>Make</b>	
	i.	Primary Outer Spring			RSK-15-10			RSK-15-10			RSK	
	ii.	Primary inner Spring			G-15-9			G-15-9			GF	
	iii.	Primary Damper			477,730,304,491			445,761,766,1218			GEREP	
	iv.	Secondary damper			102,6			182,42			GEREP	
	v.	Lateral Damper			190			189			GEREP	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper			2959/691,3035/691 2954/691,3036/691			2979/691,2993/691 2968/691,2996/691			KBI	
	viii.	Brake Disc									KBI,FTI	
	ix.	Ball joint Control arm									MGN	
	x.	Lateral Bump stop									SGA	
	xi.	Traction center make									EMSON	
	xii.	Traction lever make									SARITA	
	xiii.	Ball joint traction lever									GMT	
	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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1.	SHELL No.	6008	DISPATCH DATE				<b>14.6.2016</b>
2.	Railway	NR	Type	<b>LWACCN</b>	Coach No.	<b>163971</b>	
3.	Booked to	<b>SSE/C&amp;W/NDLS</b>					
4.	Tare Weight of Coach	<b>45.6 T</b>					
5.	Carrying Capacity	Seating	72	<b>Sleeping</b>	72	Luggage	<b>NIL</b>
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 )		<b>ESCORT</b>		<b>Fiba Device</b>	<b>NIL</b>	
7.	Air Brake Testing:		Description		Specified		Observed
7.1	Full Brake Application		Reduce pressure of BP from 5.0 to 3.4 kg/cm <sup>2</sup>		6 –10 sec		6 Sec
			Max Pressure in BC		3.80 ± 0.15 Kg/cm <sup>2</sup>		3.80
			All Brake are applied		OK		OK
7.2	Insensitivity		Exhaust BP @ 0.3 kg/cm <sup>2</sup> /min		No brake application		OK
7.3	Sensitivity		Exhaust BP @ 0.1 kg/cm <sup>2</sup> /Sec, After 02 Sec.		Brake must apply		OK
8.	PAINTING DEATAILS:		TYPE OF PAINT		MAKE	AVERAGE GLOSS VALUE	
8.1	PAINT		<b>PU PAINT</b>		<b>VIBGYOR,</b>	<b>60/83</b>	
8.2	APPLICATION OF PCN-123		<b>SATISFACTORY</b>				
8.3	INSUALTION		<b>SATISFACTORY</b>				
9.	Traceability of Furnishing Items:						Make
i.	BRAKE EQUIPMENT						<b>KBI</b>
ii.	CDTS/ BIO TOILET						<b>RAIL FAB</b>
iii.	SEATS/ BERTHS						<b>SAVITRY</b>
iv.	BODY SIDE DOOR						<b>,JBM,SUKATA</b>
v.	VESTIBULE SLIDING DOOR						<b>HP</b>
vii.	WATER TANKS						<b>SHIVALIK, ,KUTEER</b>
viii.	UIC VESTIBULE						<b>KRP</b>
ix	<b>FLOOR BOARD</b>						<b>TAYAL</b>
X	<b>PVC</b>						<b>RESPONSIVE</b>
10.							
10.1	Modification / Trail (if any):						
10.2	Deviations if any:						<b>NIL</b>



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11.	<b>Bogie Details:</b>		<b>Shell No.</b>		<b>Railway</b>		<b>Type</b>		<b>Coach No.</b>		<b>Dispatch Date</b>	
			6008		NR		LWACCN		163971		17-05-2016	
11.1	<b>Wheel &amp; Axle Details:</b>		<b>PP Side</b>					<b>NPP Side</b>				
	i.	<b>Bogie No.</b>	166387					166388				
	ii.	<b>Frame No.</b>	BGB-11					FIAT-3681				
	iii.	<b>Bolster No.</b>	5754-VT					5764-VT				
	iv.	<b>Axle No.</b>	A-3148		K-6200		N-0677		129096/992			
	v.	<b>Wheel Dia.</b>	916.00	916.00	917.00	917.00	916.00	916.00	917.00	917.00		
	vi.	<b>Wheel Disc No.</b>	7279-00078	7279-00012	7289-00030	7299-00159	7280-00019	7280-00018	7275-00002	7299-00037		
	vii.	<b>R.B. Nos.</b>	05340	04690	03591	04304	06376	04243	02889	03688		
	viii.	<b>R.B. Make</b>	TIMKEN		TIMKEN		TIMKEN		TIMKEN			
	ix.	<b>RB Type</b>	UIC CARTRIDGE TAPER ROLLER BEARING									
11.2	<b>Secondary suspension load deflection Values:</b>											
	<b>Description</b>		<b>Secondary 1</b>		<b>Secondary 2</b>		<b>Secondary 1</b>		<b>Secondary 2</b>			
			Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner		
i.	<b>Make &amp; nos.</b>	DN-15-61854	RSK-15-5-068	DN-15-6-1836	RSK-15-5-025	DN-15-6-1906	RSK-15-5-483	DN-15-6-1857	RSK-15-5-173			
ii.	<b>Ht. at test load</b>	513	466	514	466	510	468	512	467			
iii.	<b>Align .deviation</b>	12	31	14	35	9	35	9	38			
11.3	<b>Items traceability:</b>											
	<b>Sno.</b>	<b>Item</b>			<b>PP Side Bogie</b>			<b>NPP side Bogie</b>			<b>Make</b>	
	i.	Primary Outer Spring			RSK-15-10			RSK-15-10			RSK	
	ii.	Primary inner Spring			G-15-9			G-15-9			GF	
	iii.	Primary Damper			714,754,1225,1272			479,720,704,759			GEREP	
	iv.	Secondary damper			45,142			164,210			GEREP	
	v.	Lateral Damper			117			145			GEREP	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper			2915/691,2959/691 2912/691,2960/691			2935/691,3005/691 2936/691,3006/691			KBI	
	viii.	Brake Disc									FTI	
	ix.	Ball joint Control arm									GMT	
	x.	Lateral Bump stop									MGN	
	xi.	Traction center make									EMSON	
	xii.	Traction lever make									SARITA	
	xiii.	Ball joint traction lever									GMT	
	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									JVR	
	xix.	Fork make									EMSON	
11.4	i.	<b>Modification / Trial (if any):</b>					NIL					
	ii.	<b>Deviations (if any):</b>					NIL					



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1.	SHELL No.	6004	DISPATCH DATE				15.6.2016
2.	Railway	NR	Type	LWACCN	Coach No.	163964	
3.	Booked to	SSE/C&W/JBP					
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 )	FAVELLY		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 <sup>2</sup>		6 –10 sec	6 Sec	
			Max Pressure in BC		3.80 ± 0.15 Kg/cm <sup>2</sup>	3.80	
			All Brake are applied		OK	OK	
	7.2	Insensitivity	Exhaust BP @ 0.3 kg/cm <sup>2</sup> /min		No brake application	OK	
	7.3	Sensitivity	Exhaust BP @ 0.1 kg/cm <sup>2</sup> /Sec, After 02 Sec.		Brake must apply	OK	
8.	PAINTING DEATAILS:		TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE		
	8.1	PAINT	PU PAINT	VIBGYOR,	87/90		
	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 FAB	
	iii.	SEATS/ BERTHS				ARR KAYE	
	iv.	BODY SIDE DOOR				SUKATA	
	v.	VESTIBULE SLIDING DOOR				HP	
	vii.	WATER TANKS				SHIVALIK, ,AMIT	
	viii.	UIC VESTIBULE				KRP	
	ix	FLOOR BOARD				TAYAL	
	X	PVC				RESPONSIVE	
10.							
	10.1	Modification / Trail (if any):					
	10.2	Deviations if any:					NIL



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11.	<b>Bogie Details:</b>		<b>Shell No.</b>		<b>Railway</b>		<b>Type</b>		<b>Coach No.</b>		<b>Dispatch Date</b>	
			6004		NR		LWACCN		163964		18-05-2016	
11.1	<b>Wheel &amp; Axle Details:</b>		<b>PP Side</b>					<b>NPP Side</b>				
	i.	<b>Bogie No.</b>	166415					166416				
	ii.	<b>Frame No.</b>	FIAT-3558					BGB-17				
	iii.	<b>Bolster No.</b>	5691-VT					5796-VT				
	iv.	<b>Axle No.</b>	126865/470		A-2809		129280/982		125657/377			
	v.	<b>Wheel Dia.</b>	917.00	917.00	917.00	917.00	917.00	917.00	917.00	917.00	917.00	
	vi.	<b>Wheel Disc No.</b>	7270-00172	7270-00090	6204-00083	7272-00156	7291-00047	07302-00130	7274-00162	7300-00160		
	vii.	<b>R.B. Nos.</b>	03468	03205	05472	03502	05342	02131	05699	04502		
	viii.	<b>R.B. Make</b>	TIMKEN		TIMKEN		TIMKEN		TIMKEN			
	ix.	<b>RB Type</b>	UIC CARTRIDGE TAPER ROLLER BEARING									
11.2	<b>Secondary suspension load deflection Values:</b>											
	<b>Description</b>		<b>Secondary 1</b>		<b>Secondary 2</b>		<b>Secondary 1</b>		<b>Secondary 2</b>			
			Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner		
i.	<b>Make &amp; nos.</b>	DN-15-6-1929	GBD-16-3-56	DN-15-6-1848	GBD-16-3-48	DN-15-6-1954	GBD-16-3-62	DN-15-6-1968	GBD-16-3-57			
ii.	<b>Ht. at test load</b>	511	464	513	468	512	465	514	465			
iii.	<b>Align .deviation</b>	12	7	13	8	9	7	11	8			
11.3	<b>Items traceability:</b>											
	<b>Sno.</b>	<b>Item</b>			<b>PP Side Bogie</b>			<b>NPP side Bogie</b>			<b>Make</b>	
	i.	Primary Outer Spring			RSK-14-5			RSK-14-5			RSK	
	ii.	Primary inner Spring			G-15-9			G-15-9			GF	
	iii.	Primary Damper			0588,0436,0408,0561			0405,0574,0584,0412			KNORR	
	iv.	Secondary damper			1457,1473			915,1097			GEREP	
	v.	Lateral Damper			111			22			GEREP	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper			2933/691,2963/691 2923/691,2966/691			2916/691,2967/691 2918/691,2964/691			KBI	
	viii.	Brake Disc									KBI,FTI	
	ix.	Ball joint Control arm									GMT	
	x.	Lateral Bump stop									MGN	
	xi.	Traction center make									EMSON	
	xii.	Traction lever make									SARITA	
	xiii.	Ball joint traction lever									GMT	
	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.	<b>Modification / Trial (if any):</b>			NIL							
	ii.	<b>Deviations (if any):</b>			NIL							



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Form No. : QMF 9454; Version: 1

1.	SHELL No.	6014	DISPATCH DATE				15.6.2016
2.	Railway	NR	Type	LWACCN	Coach No.	163976	
3.	Booked to	SSE/C&W/NDLS					
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 )	ESCORT		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 <sup>2</sup>		6 –10 sec	6 Sec	
			Max Pressure in BC		3.80 ± 0.15 Kg/cm <sup>2</sup>	3.80	
			All Brake are applied		OK	OK	
	7.2	Insensitivity	Exhaust BP @ 0.3 kg/cm <sup>2</sup> /min		No brake application	OK	
	7.3	Sensitivity	Exhaust BP @ 0.1 kg/cm <sup>2</sup> /Sec, After 02 Sec.		Brake must apply	OK	
8.	PAINTING DEATAILS:		TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE		
	8.1	PAINT	PU PAINT	VIBGYOR,GS	89/89/89		
	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	RAIL FAB				
	iii.	SEATS/ BERTHS	OVPL				
	iv.	BODY SIDE DOOR	JBM				
	v.	VESTIBULE SLIDING DOOR	HP				
	vii.	WATER TANKS	SHIVALIK, KUTEER,MANOJ				
	viii.	UIC VESTIBULE	KRP				
	ix	FLOOR BOARD	TAYAL				
	X	PVC	RESPONSIVE				
10.							
	10.1	Modification / Trail (if any):					
	10.2	Deviations if any:					NIL



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11.	<b>Bogie Details:</b>		<b>Shell No.</b>		<b>Railway</b>		<b>Type</b>		<b>Coach No.</b>		<b>Dispatch Date</b>	
			6014		NR		LWACCN		163976		27-05-2016	
11.1	<b>Wheel &amp; Axle Details:</b>		<b>PP Side</b>						<b>NPP Side</b>			
	i.	<b>Bogie No.</b>	166459						166460			
	ii.	<b>Frame No.</b>	FM-491						FM-488			
	iii.	<b>Bolster No.</b>	5667-P						5824-VT			
	iv.	<b>Axle No.</b>	N-5802			N-5840			N-0985		K-6338	
	v.	<b>Wheel Dia.</b>	916.00	916.00	917.00	917.00	916.00	916.00	917.00	917.00		
	vi.	<b>Wheel Disc No.</b>	07280-00107	7280-00143	7291-00094	7271-00058	07302-00039	07302-00023	7291-00066	7303-00153		
	vii.	<b>R.B. Nos.</b>	04355	05156	05401	03617	05165	07066	07093	04811		
	viii.	<b>R.B. Make</b>	TIMKEN			TIMKEN			TIMKEN		TIMKEN	
	ix.	<b>RB Type</b>	UIC CARTRIDGE TAPER ROLLER BEARING									
11.2	<b>Secondary suspension load deflection Values:</b>											
	<b>Description</b>		<b>Secondary 1</b>		<b>Secondary 2</b>		<b>Secondary 1</b>		<b>Secondary 2</b>			
			<b>Outer</b>	<b>Inner</b>	<b>Outer</b>	<b>Inner</b>	<b>Outer</b>	<b>Inner</b>	<b>Outer</b>	<b>Inner</b>		
i.	<b>Make &amp; nos.</b>	G-15-12-1115	RSK-15-3-153	G-15-12-1101	RSK-15-3-153	G-15-12-1302	RSK-15-3-	G-15-12-1202	RSK-15-3-			
ii.	<b>Ht. at test load</b>	513	468	513	467	512	465	514	464			
iii.	<b>Align .deviation</b>	16	42	17	40	18	31	19	34			
11.3	<b>Items traceability:</b>											
	<b>Sno.</b>	<b>Item</b>			<b>PP Side Bogie</b>			<b>NPP side Bogie</b>			<b>Make</b>	
	i.	Primary Outer Spring			RSK-14-5			RSK-14-5			RSK	
	ii.	Primary inner Spring			G-15-9			G-15-9			GF	
	iii.	Primary Damper			497,626,611,0601			0450,0455,547,0447			KNORR	
	iv.	Secondary damper			1461,955			907,950			GEREP	
	v.	Lateral Damper			142			148			KNORR	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper			2942/691,2939/691 2930/691,2941/691			2926/691,2943/691 2939/691,2936/691			KBI	
	viii.	Brake Disc									FTI	
	ix.	Ball joint Control arm									GMT	
	x.	Lateral Bump stop									MGN,FMT	
	xi.	Traction center make									SARITA	
	xii.	Traction lever make									SARITA	
	xiii.	Ball joint traction lever									MGN,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									SARITA	
11.4	i.	<b>Modification / Trial (if any):</b>						NIL				
	ii.	<b>Deviations (if any):</b>						NIL				

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Form No. : QMF 9454; Version: 1

1.	SHELL No.	5084	DISPATCH DATE				<b>15.6.2016</b>
2.	Railway	NR	Type	<b>LWACCN</b>	Coach No.	<b>163973</b>	
3.	Booked to	<b>SSE/C&amp;W/NDLS</b>					
4.	Tare Weight of Coach	<b>45.6 T</b>					
5.	Carrying Capacity	Seating	72	<b>Sleeping</b>	72	Luggage	<b>NIL</b>
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	1105		
	v)	Buffer/CBC (Make )	<b>FAVELLY</b>	<b>Fiba Device</b>	<b>NIL</b>		
7.	Air Brake Testing:	Description				Specified	Observed
	7.1	Full Brake Application	Reduce pressure of BP from 5.0 to 3.4 kg/cm <sup>2</sup>	6 –10 sec	6 Sec		
			Max Pressure in BC	3.80 ± 0.15 Kg/cm <sup>2</sup>	3.80		
			All Brake are applied	OK	OK		
	7.2	Insensitivity	Exhaust BP @ 0.3 kg/cm <sup>2</sup> /min	No brake application	OK		
	7.3	Sensitivity	Exhaust BP @ 0.1 kg/cm <sup>2</sup> /Sec, After 02 Sec.	Brake must apply	OK		
8.	PAINTING DEATAILS:		TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE		
	8.1	PAINT	<b>PU PAINT</b>	<b>VIBGYOR,</b>	<b>88</b>		
	8.2	APPLICATION OF PCN-123	<b>SATISFACTORY</b>				
	8.3	INSUALTION	<b>SATISFACTORY</b>				
9.	Traceability of Furnishing Items:				Make		
	i.	BRAKE EQUIPMENT			<b>KBI</b>		
	ii.	CDTS/ BIO TOILET			<b>RAIL FAB</b>		
	iii.	SEATS/ BERTHS			<b>OVPL</b>		
	iv.	BODY SIDE DOOR			<b>JBM,SUKATA</b>		
	v.	VESTIBULE SLIDING DOOR			<b>HP</b>		
	vii.	WATER TANKS			<b>SHIVALIK, KUTEER,MANOJ</b>		
	viii.	UIC VESTIBULE			<b>KRP</b>		
	ix	<b>FLOOR BOARD</b>			<b>TAYAL</b>		
	X	<b>PVC</b>			<b>RESPONSIVE</b>		
10.							
	10.1	Modification / Trail (if any):					
	10.2	Deviations if any:				<b>NIL</b>	



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11.	<b>Bogie Details:</b>		Shell No.	Railway	Type	Coach No.	Dispatch Date			
			5084	NR	LWACCN	163973	24-05-2016			
11.1	<b>Wheel &amp; Axle Details:</b>		PP Side				NPP Side			
	i.	Bogie No.	166441				166442			
	ii.	Frame No.	FM-481				FM-485			
	iii.	Bolster No.	5808-VT				5791-VT			
	iv.	Axle No.	N-0488		K-2861		128095/984		K-3079	
	v.	Wheel Dia.	917.00	917.00	916.00	16.00	917.00	917.00	917.00	917.00
	vi.	Wheel Disc No.	7274-00006	07298-00041	07291-00150	7305-00198	7280-00073	7275-00074	7275-00150	07302-00010
	vii.	R.B. Nos.	03319	04398	04746	04538	05405	03358	05420	03399
	viii.	R.B. Make	TIMKEN		TIMKEN		TIMKEN		TIMKEN	
	ix.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING							
11.2	<b>Secondary suspension load deflection Values:</b>									
<b>Description</b>		Secondary 1		Secondary 2		Secondary 1		Secondary 2		
		Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner	
i.	Make & nos.	DN-15-6-1987	GBD-16-3-45	DN-15-6-2070	GBD-16-3-52	DN-15-6-2079	GBD-16-3-08	DN-15-6-2005	GBD-16-3-05	
ii.	Ht. at test load	514	468	513	467	510	466	510	464	
iii.	Align .deviation	10	7	11	7	11	10	11	8	
11.3	<b>Items traceability:</b>									
	Sno.	Item	PP Side Bogie		NPP side Bogie		Make			
	i.	Primary Outer Spring	RSK-14-5		RSK-14-5		RSK			
	ii.	Primary inner Spring	G-15-9		G-15-9		GF			
	iii.	Primary Damper	0531,0410,0421,0501		0515,0413,0445,0499		KNORR			
	iv.	Secondary damper	926,1490		1493,1487		GEREP			
	v.	Lateral Damper	203		139		GEREP			
	vi.	Yaw Damper					NIL			
	vii.	Brake cylinder & Caliper	3219/6913257/691 3217/6913236/691		3305/691,3215/691 3304/691,3250/691		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					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.	6009	DISPATCH DATE				<b>14.6.2016</b>
2.	Railway	NR	Type	<b>LWACCN</b>	Coach No.	<b>163960</b>	
3.	Booked to	<b>SSE/C&amp;W/NDLS</b>					
4.	Tare Weight of Coach	<b>45.6 T</b>					
5.	Carrying Capacity	Seating	72	<b>Sleeping</b>	72	Luggage	<b>NIL</b>
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 )	<b>ESCORT</b>		<b>Fiba Device</b>	<b>NIL</b>		
7.	Air Brake Testing:	Description				Specified	Observed
7.1	Full Brake Application	Reduce pressure of BP from 5.0 to 3.4 kg/cm <sup>2</sup>			6 –10 sec	6 Sec	
		Max Pressure in BC			3.80 ± 0.15 Kg/cm <sup>2</sup>	3.80	
		All Brake are applied			OK	OK	
7.2	Insensitivity	Exhaust BP @ 0.3 kg/cm <sup>2</sup> /min			No brake application	OK	
7.3	Sensitivity	Exhaust BP @ 0.1 kg/cm <sup>2</sup> /Sec, After 02 Sec.			Brake must apply	OK	
8.	PAINTING DEATAILS:	TYPE OF PAINT		MAKE	AVERAGE GLOSS VALUE		
8.1	PAINT	<b>PU PAINT</b>		<b>VIBGYOR,</b>	<b>90</b>		
8.2	APPLICATION OF PCN-123	<b>SATISFACTORY</b>					
8.3	INSUALTION	<b>SATISFACTORY</b>					
9.	Traceability of Furnishing Items:					Make	
i.	BRAKE EQUIPMENT					<b>KBI</b>	
ii.	CDTS/ BIO TOILET					<b>RAIL FAB</b>	
iii.	SEATS/ BERTHS					<b>ARR KAYE</b>	
iv.	BODY SIDE DOOR					<b>JBM</b>	
v.	VESTIBULE SLIDING DOOR					<b>HP</b>	
vii.	WATER TANKS					<b>SHIVALIK, MANOJ</b>	
viii.	UIC VESTIBULE					<b>KRP</b>	
ix	<b>FLOOR BOARD</b>					<b>TAYAL</b>	
X	<b>PVC</b>					<b>RESPONSIVE</b>	
10.							
10.1	Modification / Trail (if any):						
10.2	Deviations if any:						<b>NIL</b>



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11.	<b>Bogie Details:</b>		Shell No.	Railway	Type	Coach No.	Dispatch Date			
			6009	NR	LWACCN	163960	17-05-2016			
11.1	<b>Wheel &amp; Axle Details:</b>		PP Side				NPP Side			
	i.	Bogie No.	166419				166420			
	ii.	Frame No.	FIAT-4186				FIAT-4667			
	iii.	Bolster No.	5778-VT				5774-VT			
	iv.	Axle No.	128505/983	K-5960		K-3244		K-6426		
	v.	Wheel Dia.	917.00	917.00	917.00	917.00	917.00	917.00	918.00	918.00
	vi.	Wheel Disc No.	06234-00067	06230-00013	7302-00077	7279-00119	7277-00166	07298-00118	6204-00016	07298-00112
	vii.	R.B. Nos.	05664	04737	02104	03153	05535	05550	05155	05035
	viii.	R.B. Make	TIMKEN		TIMKEN		TIMKEN		TIMKEN	
	ix.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING							
11.2	<b>Secondary suspension load deflection Values:</b>									
<b>Description</b>		Secondary 1		Secondary 2		Secondary 1		Secondary 2		
		Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner	
i.	Make & nos.	DN-15-6-1874	GBD-16-03-059	DN-15-6-1943	GBD-16-03-067	DN-15-6-1936	GBD-16-03-054	DN-15-6-1856	GBD-16-09-061	
ii.	Ht. at test load	511	466	510	468	511	467	513	467	
iii.	Align .deviation	8	9	10	9	12	7	13	9	
11.3	<b>Items traceability:</b>									
	Sno.	Item	PP Side Bogie			NPP side Bogie		Make		
	i.	Primary Outer Spring	RSK-15-11			RSK-15-11		RSK		
	ii.	Primary inner Spring	G-15-9			G-15-9		GF		
	iii.	Primary Damper	0486,0428,0476,0685			0489,0582,0437,0558		KNORR		
	iv.	Secondary damper	1043,1445			1086,1460		GEREP		
	v.	Lateral Damper	51			37		GEREP		
	vi.	Yaw Damper						NIL		
	vii.	Brake cylinder & Caliper	2937/691,2942/692 2938/691,2940/691			2941/691,2943/691 2940/691,2927/691		KBI		
	viii.	Brake Disc						KBI,FTI		
	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						GMT		
	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.	6006	DISPATCH DATE				<b>14.6.2016</b>
2.	Railway	NR	Type	<b>LWACCN</b>	Coach No.	<b>163961</b>	
3.	Booked to	<b>SSE/C&amp;W/NDLS</b>					
4.	Tare Weight of Coach	<b>45.6 T</b>					
5.	Carrying Capacity	Seating	72	<b>Sleeping</b>	72	Luggage	<b>NIL</b>
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 )	<b>FAVELLY</b>	<b>Fiba Device</b>	<b>NIL</b>		
7.	Air Brake Testing:	Description				Specified	Observed
	7.1	Full Brake Application	Reduce pressure of BP from 5.0 to 3.4 kg/cm <sup>2</sup>	6 –10 sec	6 Sec		
			Max Pressure in BC	3.80 ± 0.15 Kg/cm <sup>2</sup>	3.80		
			All Brake are applied	OK	OK		
	7.2	Insensitivity	Exhaust BP @ 0.3 kg/cm <sup>2</sup> /min	No brake application	OK		
	7.3	Sensitivity	Exhaust BP @ 0.1 kg/cm <sup>2</sup> /Sec, After 02 Sec.	Brake must apply	OK		
8.	PAINTING DEATAILS:		TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE		
	8.1	PAINT	<b>PU PAINT</b>	<b>VIBGYOR,</b>	<b>91</b>		
	8.2	APPLICATION OF PCN-123	<b>SATISFACTORY</b>				
	8.3	INSUALTION	<b>SATISFACTORY</b>				
9.	Traceability of Furnishing Items:		Make				
	i.	BRAKE EQUIPMENT	<b>KBI</b>				
	ii.	CDTS/ BIO TOILET	<b>RAIL FAB</b>				
	iii.	SEATS/ BERTHS	<b>ARR KAYE</b>				
	iv.	BODY SIDE DOOR	<b>JBM</b>				
	v.	VESTIBULE SLIDING DOOR	<b>HP</b>				
	vii.	WATER TANKS	<b>SHIVALIK,</b>				
	viii.	UIC VESTIBULE	<b>KRP</b>				
	ix	<b>FLOOR BOARD</b>	<b>TAYAL</b>				
	X	<b>PVC</b>	<b>RESPONSIVE</b>				
10.							
	10.1	Modification / Trail (if any):					
	10.2	Deviations if any:				<b>NIL</b>	



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11.	<b>Bogie Details:</b>		<b>Shell No.</b>		<b>Railway</b>		<b>Type</b>		<b>Coach No.</b>		<b>Dispatch Date</b>	
			6006		NR		LWACCN		163961		15-05-2016	
11.1	<b>Wheel &amp; Axle Details:</b>		<b>PP Side</b>					<b>NPP Side</b>				
	i.	<b>Bogie No.</b>	166407					166408				
	ii.	<b>Frame No.</b>	BGB-06					BGB-21				
	iii.	<b>Bolster No.</b>	5772-VT					5766-VT				
	iv.	<b>Axle No.</b>	127942/988		127784/987			A-6405		125686/479		
	v.	<b>Wheel Dia.</b>	916.00	916.00	916.00	916.00	916.00	916.00	917.00	917.00		
	vi.	<b>Wheel Disc No.</b>	6229-00095	06229-00055	06150-00183	06229-00032	7309-00145	7289-00026	7275-00003	7299-00038		
	vii.	<b>R.B. Nos.</b>	29739	35185	33871	03066	02240	02285	03199	01783		
	viii.	<b>R.B. Make</b>	SKF		SKF			TIMKEN		TIMKEN		
	ix.	<b>RB Type</b>	UIC CARTRIDGE TAPER ROLLER BEARING									
11.2	<b>Secondary suspension load deflection Values:</b>											
	<b>Description</b>	<b>Secondary 1</b>		<b>Secondary 2</b>		<b>Secondary 1</b>		<b>Secondary 2</b>				
		Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner			
i.	<b>Make &amp; nos.</b>	DN-15-6-2057	GBD-16-3-34	DN-15-6-1928	GBD-16-3-71	DN-15-6-1931	GBD-16-3-37	DN-15-6-1959	GBD-16-3-10			
ii.	<b>Ht. at test load</b>	511	465	511	463.5	510	468	510	468			
iii.	<b>Align .deviation</b>	15	8	12	7	9	7	10	7			
11.3	<b>Items traceability:</b>											
	<b>Sno.</b>	<b>Item</b>			<b>PP Side Bogie</b>			<b>NPP side Bogie</b>			<b>Make</b>	
	i.	Primary Outer Spring			RSK-14-5			RSK-15-10			RSK	
	ii.	Primary inner Spring			G-15-9			G-15-9			GF	
	iii.	Primary Damper			402,452,494,705			474,1050,1051,429			GEREP	
	iv.	Secondary damper			1582,1544			1572,1584			GEREP	
	v.	Lateral Damper			116			236			GEREP	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper			2969/691,3045/691 2966/691,3046/691			2967/691,3022/691 2996/691,3015/691			KBI	
	viii.	Brake Disc									FTI	
	ix.	Ball joint Control arm									GMT	
	x.	Lateral Bump stop									MGN	
	xi.	Traction center make									EMSON	
	xii.	Traction lever make									SARITA	
	xiii.	Ball joint traction lever									GMT	
	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.	<b>Modification / Trial (if any):</b>						NIL				
	ii.	<b>Deviations (if any):</b>						NIL				