



रेल डिब्बा कारखाना, कपूरथला  
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	5023	DISPATCH DATE				20.08.2015
2.	Railway	SCR	Type	LWACCN	Coach No.	15147	
3.	Booked to	SSE/C&W/BZA					
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 )	FAIVELEY	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	ADVANCE	88/90		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:		Make				
	i.	BRAKE EQUIPMENT	FAIVELEY				
	ii.	CDTS/ BIO TOILET	ORIENTAL				
	iii.	SEATS/ BERTHS	SAVITRI				
	iv.	BODY SIDE DOOR	JBM				
	v.	VESTIBULE SLIDING DOOR	KALSI				
	vi.	SALOON DOOR	KALSI				
	vii.	WATER TANKS	KUTEER, SHIVALIK, E C BLADES				
	viii.	UIC VESTIBULE	ELASTOMER				
	ix	FLOOR BOARD	TAYAL				
	X	PVC	RESPONSIVE				
10.							
	10.1	Modification / Trail (if any):	FITTED WITH BIO DIGESTER OF M/s RAIL FAB				
	10.2	Deviations if any:	NIL				



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12.	<b>Bogie Details:</b>		<b>Shell No.</b>		<b>Railway</b>		<b>Type</b>		<b>Coach No.</b>		<b>Dispatch Date</b>		
			5023		SC		LACCN		15147/C		04-08-2015		
12.1	<b>Wheel &amp; Axle Details:</b>		<b>PP Side</b>						<b>NPP Side</b>				
	i.	<b>Bogie No.</b>	156534						156535				
	ii.	<b>Frame No.</b>	FIAT-4198						FIAT-4147				
	iii.	<b>Bolster No.</b>	4153-VT						4909-VT				
	iv.	<b>Axle No.</b>	126768/468		129129/992		129074/986		126649/480				
	v.	<b>Wheel Dia.</b>	918.00	918.00	918.00	918.00	918.00	918.00	918.00	918.00	917.50		
	vi.	<b>Wheel Disc No.</b>	196-10559	284-51912	066-63307	257-10533	331-50843	065-51908	261-63309	022-61077			
	vii.	<b>R.B. Nos.</b>	22804	35337	21745	35045	23025	34758	22996	25330			
	viii.	<b>R.B. Make</b>	SKF		SKF		SKF		SKF				
	ix.	<b>RB Type</b>	UIC CARTRIDGE TAPER ROLLER BEARING										
12.2	<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-15-4-144	G-13-4-4692	G-15-4-069	G-13-4-4514	G-15-4-066	G-13-4-4708	G-15-4-057	G-13-4-4284				
ii.	<b>Ht. at test load</b>	512	465	512	468	512	466	512	467				
iii.	<b>Align .deviation</b>	16	16	17	22	17	16	18	16				
12.3	<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			G-12-10			G-12-10			GF		
	ii.	Primary inner Spring			FSK-15-1			FSK-15-1			FSK		
	iii.	Primary Damper			22358,22789,22813,22304			22301,22769,22640,22280			KONI		
	iv.	Secondary damper			4892,4334			4320,4817			KONI		
	v.	Lateral Damper			28			177			GEREP		
	vi.	Yaw Damper									NIL		
	vii.	Brake cylinder & Caliper			15069/600,15061/600,15062/600,15096/600			15061/600,15085/600,15055/600,15082/600			FTI		
	viii.	Brake Disc									KBI		
	ix.	Ball joint Control arm									MGN		
	x.	Lateral Bump stop									GMT,MGN		
	xi.	Traction center make									SARITA		
	xii.	Traction lever make									SARITA		
	xiii.	Ball joint traction lever									MGN		
	xiv.	Traction centre elastic									MGN		
	xv.	Secondary rubber pad									TESPAK		
	xvi.	Rubber spring									GMT		
	xvii.	Anti roll bar make									EMSON		
	xviii.	Ball joint roll link									SARITA		
	xix.	Fork make									SARITA		
12.4	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.	5011	DISPATCH DATE				18.08.2015
2.	Railway	SCR	Type	LWACCN	Coach No.	15145	
3.	Booked to	SSE/C&W/BZA					
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 )	FAIVELEY		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	ADVANCE	87/90		
8.2	APPLICATION OF PCN-123		SATISFACTORY				
8.3	INSUALTION		SATISFACTORY				
9.	Traceability of Furnishing Items:				Make		
i.	BRAKE EQUIPMENT				FAIVELEY		
ii.	CDTS/ BIO TOILET				AIR FLOW		
iii.	SEATS/ BERTHS				SAAVITRI		
iv.	BODY SIDE DOOR				JBM		
v.	VESTIBULE SLIDING DOOR				KALSI		
vi.	SALOON DOOR				KALSI		
vii.	WATER TANKS				E C BLADES, SHIVALIK, AMIT		
viii.	UIC VESTIBULE				FRINKMART		
ix	FLOOR BOARD				TAYAL		
X	PVC				RESPONSIVE		
10.							
10.1	Modification / Trail (if any):				FITTED WITH BIO DIGESTER OF M/s RAIL FAB		
10.2	Deviations if any:				NIL		



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12.	<b>Bogie Details:</b>		<b>Shell No.</b>		<b>Railway</b>		<b>Type</b>		<b>Coach No.</b>		<b>Dispatch Date</b>	
			5011		SC		LACCN		15145/C		27-07-2015	
12.1	<b>Wheel &amp; Axle Details:</b>		<b>PP Side</b>						<b>NPP Side</b>			
	i.	<b>Bogie No.</b>	156520						156521			
	ii.	<b>Frame No.</b>	FIAT-4111						FIAT-4044			
	iii.	<b>Bolster No.</b>	4906-VT						4901-VT			
	iv.	<b>Axle No.</b>	126460/481		128580/475		C-4653		128846/990			
	v.	<b>Wheel Dia.</b>	915.00	915.00	916.00	916.00	915.00	915.00	916.00	916.00		
	vi.	<b>Wheel Disc No.</b>	6147-00056	6141-00089	06146-00164	06147-00129	301-11611	282-63305	6147-00103	06146-00209		
	vii.	<b>R.B. Nos.</b>	25660	25519	02871	02861	25668	25518	01112	22355		
	viii.	<b>R.B. Make</b>	SKF		SKF		SKF		SKF			
	ix.	<b>RB Type</b>	UIC CARTRIDGE TAPER ROLLER BEARING									
12.2	<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>	<b>Outer</b>	<b>Inner</b>	
i.	<b>Make &amp; nos.</b>	G-15-4-118	G-13-4-4494	G-15-4-012	G-13-4-4701	G-15-4-4008	G-13-4-4488	G-15-4-002	G-13-4-4583			
ii.	<b>Ht. at test load</b>	512	465	511	465	515	467	513	466			
iii.	<b>Align .deviation</b>	18	12	18	14	16	17	19	19			
12.3	<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			G-12-10			G-12-10			GF	
	ii.	Primary inner Spring			YR-13-7			YR-13-7			YR	
	iii.	Primary Damper			24656,23745,24877,24873			23860,23794,24875,24867			KONI	
	iv.	Secondary damper			4385,4212			4602,4397			KONI	
	v.	Lateral Damper			3223			3070			KONI	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper			E15074/600,E15083/600 E15085/600,E15089/600			15075/600,15084/600 A15056/600,N14061/600			FTI	
	viii.	Brake Disc									KBI	
	ix.	Ball joint Control arm									MGN	
	x.	Lateral Bump stop									GMT	
	xi.	Traction center make									EMSON	
	xii.	Traction lever make									SARITA	
	xiii.	Ball joint traction lever									MGN	
	xiv.	Traction centre elastic									MGN	
	xv.	Secondary rubber pad									TESPAK	
	xvi.	Rubber spring									GMT	
	xvii.	Anti roll bar make									EMSON	
	xviii.	Ball joint roll link									SARITA	
	xix.	Fork make									SARITA	
12.4	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.	5015	DISPATCH DATE				25.08.2015
2.	Railway	SCR	Type	LWACCN	Coach No.	15149	
3.	Booked to	SSE/C&W/BZA					
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 )	FAIVELEY		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	ADVANCE`	90/90		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:		Make				
	i.	BRAKE EQUIPMENT	FAIVELEY				
	ii.	CDTS/ BIO TOILET	RAIL FAB				
	iii.	SEATS/ BERTHS	RAJINDER DASS				
	iv.	BODY SIDE DOOR	JBM				
	v.	VESTIBULE SLIDING DOOR	KALSI				
	vi.	SALOON DOOR	KALSI				
	vii.	WATER TANKS	SHIVALIK, E C BLADES				
	viii.	UIC VESTIBULE	FRIKMART				
	ix	FLOOR BOARD	TAYAL				
	X	PVC	RESPONSIVE				
10.							
	10.1	Modification / Trail (if any):			FITTED WITH BIO DIGESTER OF M/s RAIL FAB		
	10.2	Deviations if any:			NIL		



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12.	<b>Bogie Details:</b>		<b>Shell No.</b>		<b>Railway</b>		<b>Type</b>		<b>Coach No.</b>		<b>Dispatch Date</b>	
			5015		SC		LACCN		15149/C		05-08-2015	
12.1	<b>Wheel &amp; Axle Details:</b>		<b>PP Side</b>						<b>NPP Side</b>			
	i.	<b>Bogie No.</b>	156548						156549			
	ii.	<b>Frame No.</b>	FIAT-4178						FIAT-4202			
	iii.	<b>Bolster No.</b>	4952-VT						4938-VT			
	iv.	<b>Axle No.</b>	125938/477		127880/987		126549/481		125568/377			
	v.	<b>Wheel Dia.</b>	916.00	916.00	916.50	916.00	918.00	918.00	917.50	917.50		
	vi.	<b>Wheel Disc No.</b>	349-63305	060-11605	282-51782	276-62314	306-51910	167-51916	003-51915	041-51908		
	vii.	<b>R.B. Nos.</b>	31381	31802	01331	30086	02817	30558	02792	30208		
	viii.	<b>R.B. Make</b>	SKF		SKF		SKF		SKF			
	ix.	<b>RB Type</b>	UIC CARTRIDGE TAPER ROLLER BEARING									
12.2	<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-15-4-127	G-13-4-4532	G-15-4-120	G-13-4-4632	G-15-4-119	G-13-4-4672	G-15-4-121	G-13-4-4679			
ii.	<b>Ht. at test load</b>	512	467	512	467	513	468	514	468			
iii.	<b>Align .deviation</b>	14	17	15	21	19	23	17	21			
12.3	<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			G-12-10			G-12-10			GF	
	ii.	Primary inner Spring			FSK-13-1			FSK-13-1			FSK	
	iii.	Primary Damper			24635,22302,22328,24876			22431,22311,22363,22708			KONI	
	iv.	Secondary damper			4298,4560			4827,4561			KONI	
	v.	Lateral Damper			74			48			GEREP	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper			15113/600,15029/600,15106/600,15034/600			15088/600,15106/600,15096/600,15102/600			FTI	
	viii.	Brake Disc									KBI	
	ix.	Ball joint Control arm									GMT	
	x.	Lateral Bump stop									MGN	
	xi.	Traction center make									SARITA	
	xii.	Traction lever make									SARITA	
	xiii.	Ball joint traction lever									MGN	
	xiv.	Traction centre elastic									MGN	
	xv.	Secondary rubber pad									TESPAK	
	xvi.	Rubber spring									GMT	
	xvii.	Anti roll bar make									EMSON	
	xviii.	Ball joint roll link									SARITA	
	xix.	Fork make									EMSON	
12.4	i.	<b>Modification / Trial (if any):</b>						NIL				
	ii.	<b>Deviations (if any):</b>						NIL				

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12.	<b>Bogie Details:</b>		Shell No.	Railway	Type	Coach No.	Dispatch Date			
			5025	SCR	LACCN	15902/C	05-08-2015			
12.1	<b>Wheel &amp; Axle Details:</b>		PP Side				NPP Side			
	i.	Bogie No.	156574				156575			
	ii.	Frame No.	FIAT-4161				FIAT-3985			
	iii.	Bolster No.	4926-VT				4980-vt			
	iv.	Axle No.	129326/982	128832/990	128579/987	128406/983				
	v.	Wheel Dia.	918.00	918.00	917.00	917.00	918.00	917.50	918.00	918.00
	vi.	Wheel Disc No.	271-63302	206-58102	06146-00203	06146-00167	190-51912	052-63309	256-61912	098-10568
	vii.	R.B. Nos.	34003	34438	30106	01369	35037	34422	16575	16591
	viii.	R.B. Make	SKF		SKF		SKF		SKF	
	ix.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING							
12.2	<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.	G-15-4-007	G-12-8-8071	G-15-4-116	G-12-8-2974	G-15-4-072	G-13-4-4699	G-15-4-147	G-12-8-2806	
ii.	Ht. at test load	514	466	512	465	513	465	514	464	
iii.	Align .deviation	15	20	14	19	18	18	16	14	
12.3	<b>Items traceability:</b>									
	Sno.	Item	PP Side Bogie		NPP side Bogie		Make			
	i.	Primary Outer Spring	G-12-10		G-12-10		GF			
	ii.	Primary inner Spring	G-15-3		G-15-3		GF			
	iii.	Primary Damper	25025,22814,22433,22346		22319,22741,22428,22299		KONI			
	iv.	Secondary damper	4787,4915		4679,4429		KONI			
	v.	Lateral Damper	69		6		GEREP			
	vi.	Yaw Damper					NIL			
	vii.	Brake cylinder & Caliper					FTI			
	viii.	Brake Disc					KBI			
	ix.	Ball joint Control arm					GMT			
	x.	Lateral Bump stop					MGN			
	xi.	Traction center make					SARITA			
	xii.	Traction lever make					SARITA			
	xiii.	Ball joint traction lever					MGN			
	xiv.	Traction centre elastic					MGN			
	xv.	Secondary rubber pad					TESPAK			
	xvi.	Rubber spring					GMT			
	xvii.	Anti roll bar make					EMSON			
	xviii.	Ball joint roll link					SARITA			
	xix.	Fork make					EMSON			
12.4	i.	Modification / Trial (if any):			NIL					
	ii.	Deviations (if any):			NIL					



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Rail Coach Factory , Kapurthala

12.	<b>Bogie Details:</b>		<b>Shell No.</b>		<b>Railway</b>		<b>Type</b>		<b>Coach No.</b>		<b>Dispatch Date</b>	
			5025		SCR		LACCN		15902/C		05-08-2015	
12.1	<b>Wheel &amp; Axle Details:</b>		<b>PP Side</b>						<b>NPP Side</b>			
	i.	<b>Bogie No.</b>	156574						156575			
	ii.	<b>Frame No.</b>	FIAT-4161						FIAT-3985			
	iii.	<b>Bolster No.</b>	4926-VT						4980-vt			
	iv.	<b>Axle No.</b>	129326/982		128832/990		128579/987		128406/983			
	v.	<b>Wheel Dia.</b>	918.00	918.00	917.00	917.00	918.00	917.50	918.00	918.00		
	vi.	<b>Wheel Disc No.</b>	271-63302	206-58102	06146-00203	06146-00167	190-51912	052-63309	256-61912	098-10568		
	vii.	<b>R.B. Nos.</b>	34003	34438	30106	01369	35037	34422	16575	16591		
	viii.	<b>R.B. Make</b>	SKF		SKF		SKF		SKF			
	ix.	<b>RB Type</b>	UIC CARTRIDGE TAPER ROLLER BEARING									
12.2	<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-15-4-007	G-12-8-8071	G-15-4-116	G-12-8-2974	G-15-4-072	G-13-4-4699	G-15-4-147	G-12-8-2806			
ii.	<b>Ht. at test load</b>	514	466	512	465	513	465	514	464			
iii.	<b>Align .deviation</b>	15	20	14	19	18	18	16	14			
12.3	<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			G-12-10		G-12-10		GF			
	ii.	Primary inner Spring			G-15-3		G-15-3		GF			
	iii.	Primary Damper			25025,22814,22433,22346		22319,22741,22428,22299		KONI			
	iv.	Secondary damper			4787,4915		4679,4429		KONI			
	v.	Lateral Damper			69		6		GEREP			
	vi.	Yaw Damper							NIL			
	vii.	Brake cylinder & Caliper							FTI			
	viii.	Brake Disc							KBI			
	ix.	Ball joint Control arm							GMT			
	x.	Lateral Bump stop							MGN			
	xi.	Traction center make							SARITA			
	xii.	Traction lever make							SARITA			
	xiii.	Ball joint traction lever							MGN			
	xiv.	Traction centre elastic							MGN			
	xv.	Secondary rubber pad							TESPAK			
	xvi.	Rubber spring							GMT			
	xvii.	Anti roll bar make							EMSON			
	xviii.	Ball joint roll link							SARITA			
	xix.	Fork make							EMSON			
12.4	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.	5016	DISPATCH DATE				24.08.2015
2.	Railway	SCR	Type	LWACCN	Coach No.	15901	
3.	Booked to	SSE/C&W/BZA					
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	1096		
	v)	Buffer/CBC (Make )	FAIVELEY	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	APEX	87/88		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:			Make			
	i.	BRAKE EQUIPMENT	FAIVELEY				
	ii.	CDTS/ BIO TOILET	RAIL FAB				
	iii.	SEATS/ BERTHS	RAJINDER DASS				
	iv.	BODY SIDE DOOR	SUKATA				
	v.	VESTIBULE SLIDING DOOR	KALSI				
	vi.	SALOON DOOR	KALSI				
	vii.	WATER TANKS	KUTEER, SHIVALIK, E C BLADES				
	viii.	UIC VESTIBULE	SUNCREAST				
	ix	FLOOR BOARD	TAYAL				
	X	PVC	RESPONSIVE				
10.							
	10.1	Modification / Trail (if any):			FITTED WITH BIO DIGESTER OF M/s RAIL FAB		
	10.2	Deviations if any:			NIL		



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12.	<b>Bogie Details:</b>		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			5016		SC		LACCN		15901/C		05-08-2015	
12.1	<b>Wheel &amp; Axle Details:</b>		PP Side					NPP Side				
	i.	Bogie No.	156572					156573				
	ii.	Frame No.	SCI/FM-170					FIAT-4217				
	iii.	Bolster No.	4972-VT					4962-VT				
	iv.	Axle No.	127009/478		125589/377			127756/987		129039/986		
	v.	Wheel Dia.	915.50	916.00	918.00	918.00	916.00	916.00	916.50	916.00		
	vi.	Wheel Disc No.	078-63307	129-51910	071-48744	07745/00183	192-51910	197-11605	109-51781	182-11603		
	vii.	R.B. Nos.	22049	30091	21753	35317	22002	23091	23285	01070		
	viii.	R.B. Make	SKF			SKF			SKF		SKF	
	ix.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING									
12.2	<b>Secondary suspension load deflection Values:</b>											
	Description		Secondary 1		Secondary 2		Secondary 1		Secondary 2			
			Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner		
i.	Make & nos.		G-15-4-015	G-12-8-2766	G-15-4-086	G-12-8-3100	G-15-4-164	G-12-8-3043	G-15-4-165	G-12-8-3023		
ii.	Ht. at test load		514	465	514	465	512	467	512	466		
iii.	Align .deviation		16	23	18	26	15	18	16	19		
12.3	<b>Items traceability:</b>											
	Sno.	Item			PP Side Bogie			NPP side Bogie			Make	
	i.	Primary Outer Spring			G-12-10			G-12-10			GF	
	ii.	Primary inner Spring			YR-10-11			YR-10-11			YR	
	iii.	Primary Damper			22286,22316,22799,22751			22283,22340,22313,22362			KONI	
	iv.	Secondary damper			4749,4418			4710,4878			KONI	
	v.	Lateral Damper			18			29			GEREP	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper			F15087/600,F15114/600, F15084/600,F15113/600			F15045/600,F15095/600, F15082/600,F15070/600			FTI	
	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									MGN	
	xiv.	Traction centre elastic									MGN	
	xv.	Secondary rubber pad									TESPAK	
	xvi.	Rubber spring									GMT	
	xvii.	Anti roll bar make									EMSON	
	xviii.	Ball joint roll link									SARITA	
	xix.	Fork make									EMSON	
12.4	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.	5020	DISPATCH DATE				24.08.2015
2.	Railway	SCR	Type	LWACCN	Coach No.	15150	
3.	Booked to	SSE/C&W/BZA					
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 )	FAIVELEY	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	APEX	87/89		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:			Make			
	i.	BRAKE EQUIPMENT	FAIVELEY				
	ii.	CDTS/ BIO TOILET	RAIL FAB				
	iii.	SEATS/ BERTHS	RAJINDER DASS				
	iv.	BODY SIDE DOOR	SUKATA				
	v.	VESTIBULE SLIDING DOOR	KALSI				
	vi.	SALOON DOOR	KALSI				
	vii.	WATER TANKS	MANOJ, SHIVALIK, E C BLADES				
	viii.	UIC VESTIBULE	SUNCREAST				
	ix	FLOOR BOARD	TAYAL				
	X	PVC	RESPONSIVE				
10.							
	10.1	Modification / Trail (if any):	FITTED WITH BIO DIGESTER OF M/s RAIL FAB				
	10.2	Deviations if any:	NIL				



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12.	<b>Bogie Details:</b>		<b>Shell No.</b>		<b>Railway</b>		<b>Type</b>		<b>Coach No.</b>		<b>Dispatch Date</b>	
			5020		SC		LACCN		15150/C		04-08-2015	
12.1	<b>Wheel &amp; Axle Details:</b>		<b>PP Side</b>						<b>NPP Side</b>			
	i.	<b>Bogie No.</b>	156536						156537			
	ii.	<b>Frame No.</b>	FIAT-3929						FIAT-4165			
	iii.	<b>Bolster No.</b>	4884-VT						49129VT			
	iv.	<b>Axle No.</b>	127760/987		127750/987		128553/989		127818/987			
	v.	<b>Wheel Dia.</b>	918.00	918.00	918.00	918.00	916.00	916.00	916.00	916.00		
	vi.	<b>Wheel Disc No.</b>	232-11607	261-51908	201-10568	105-11603	227-50798	194-63307	270-63307	085-63305		
	vii.	<b>R.B. Nos.</b>	16669	35016	21181	30135	30150	22391	25329	21165		
	viii.	<b>R.B. Make</b>	SKF		SKF		SKF		SKF			
	ix.	<b>RB Type</b>	UIC CARTRIDGE TAPER ROLLER BEARING									
12.2	<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-15-4-160	G-13-4-4689	G-15-4-124	G-13-4-4557	G-15-4-046	G-13-4-4267	G-15-4-042	G-13-4-4283			
ii.	<b>Ht. at test load</b>	514	466	514	467	514	467	514	467			
iii.	<b>Align .deviation</b>	16	15	18	16	18	14	14	10			
12.3	<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			G-12-10			G-12-10			GF	
	ii.	Primary inner Spring			FSK-15-01			FSK-15-01			FSK	
	iii.	Primary Damper			22288,22678,22740,22718			22318,22773,22415,22317			KONI	
	iv.	Secondary damper			4503,4553			4274,4310			KONI	
	v.	Lateral Damper			127			53			GEREP	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper			15059/600,15089/600,15058/600,15097/600			15068/600,15071/600,15053/600,15072/600			FTI	
	viii.	Brake Disc									KBI	
	ix.	Ball joint Control arm									MGN	
	x.	Lateral Bump stop									MGN	
	xi.	Traction center make									SARITA	
	xii.	Traction lever make									SARITA	
	xiii.	Ball joint traction lever									MGN	
	xiv.	Traction centre elastic									MGN	
	xv.	Secondary rubber pad									TESPAK	
	xvi.	Rubber spring									GMT	
	xvii.	Anti roll bar make									EMSON	
	xviii.	Ball joint roll link									SARITA	
	xix.	Fork make									EMSON, SARITA	
12.4	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.	5021	DISPATCH DATE				21.08.2015
2.	Railway	SCR	Type	LWACCN	Coach No.	15146	
3.	Booked to	SSE/C&W/BZA					
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 )		FAIVELEY		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		ADVANCE	86/88	
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		RAJINDER DASS				
iv.	BODY SIDE DOOR		JBM				
v.	VESTIBULE SLIDING DOOR		KALSI				
vi.	SALOON DOOR		KALSI				
vii.	WATER TANKS		KUTEER, SHIVALIK				
viii.	UIC VESTIBULE		FRINKMART				
ix	FLOOR BOARD		TAYAL				
X	PVC		RESPONSIVE				
10.							
10.1	Modification / Trail (if any):				FITTED WITH BIO DIGESTER OF M/s RAIL FAB		
10.2	Deviations if any:				NIL		



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12.	<b>Bogie Details:</b>		<b>Shell No.</b>		<b>Railway</b>		<b>Type</b>		<b>Coach No.</b>		<b>Dispatch Date</b>		
			5021		SC		LACCN		15146/C		28-07-2015		
12.1	<b>Wheel &amp; Axle Details:</b>		<b>PP Side</b>						<b>NPP Side</b>				
	i.	<b>Bogie No.</b>	156472						156473				
	ii.	<b>Frame No.</b>	FIAT-4071						FIAT-4123				
	iii.	<b>Bolster No.</b>	4860-VT						4857-VT				
	iv.	<b>Axle No.</b>	128410/983		125691/479		C-4751		RWF-103707				
	v.	<b>Wheel Dia.</b>	918.00	918.00	918.00	918.00	918.00	918.00	918.00	918.00	918.00	918.00	
	vi.	<b>Wheel Disc No.</b>	6147-00017	6147-00137	06146-00061	06146-00154	06146-00212	06146-00021	06146-00173	06146-00033	06146-00033	06146-00033	
	vii.	<b>R.B. Nos.</b>	02844	02990	03210	02787	02775	03347	03338	03637	03637	03637	
	viii.	<b>R.B. Make</b>	TIMKEN		TIMKEN		TIMKEN		TIMKEN				
	ix.	<b>RB Type</b>	UIC CARTRIDGE TAPER ROLLER BEARING										
12.2	<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>	<b>Outer</b>	<b>Inner</b>	
i.	<b>Make &amp; nos.</b>	G-15-03-074	G-12-11-3979	G-15-03-034	G-12-11-5150	G-15-03-073	G-12-11-3990	G-15-03-134	G-12-11-3786	G-15-03-134	G-12-11-3786	G-12-11-3786	
ii.	<b>Ht. at test load</b>	514	467	512	467	512	467	512	467	512	467	467	
iii.	<b>Align .deviation</b>	16	16	18	16	15	11	15	13	15	13	13	
12.3	<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			L&S-13-03			L&S-13-03			L&S		
	ii.	Primary inner Spring			FSK-11-5			FSK-11-5			FSK		
	iii.	Primary Damper			315,457,692,693			400,673,516,1673			GEREP		
	iv.	Secondary damper			5209,5489			5212,4394			KONI		
	v.	Lateral Damper			3212			3168			KONI		
	vi.	Yaw Damper									NIL		
	vii.	Brake cylinder & Caliper			1062/691,1107/691, 1061/691,1108/691			1036/691,1137/691, 1037/691,1138/691			KBI		
	viii.	Brake Disc									FTI,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									MGN		
	xv.	Secondary rubber pad									TESPAK		
	xvi.	Rubber spring									WILILANE		
	xvii.	Anti roll bar make									EMSON		
	xviii.	Ball joint roll link									SARITA		
	xix.	Fork make									SARITA		
12.4	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.	5010	DISPATCH DATE			18.08.2015	
2.	Railway	SCR	Type	LWACCN	Coach No.	15144	
3.	Booked to	SSE/C&W/BZA					
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		ADVANCE	88/90	
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					AIR FLOW	
iii.	SEATS/ BERTHS					SAVITRI	
iv.	BODY SIDE DOOR					JBM	
v.	VESTIBULE SLIDING DOOR					KALSI	
vi.	COMPTT. DOOR					KALSI	
vii.	WATER TANKS					E C BLADES, SHIVALIK,	
viii.	UIC VESTIBULE					FRINKMART	
ix	FLOOR BOARD					TAYAL	
X	PVC					RESPONSIVE	
10.							
10.1	Modification / Trail (if any):						
10.2	Deviations if any:					NIL	



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12.	<b>Bogie Details:</b>		<b>Shell No.</b>		<b>Railway</b>		<b>Type</b>		<b>Coach No.</b>		<b>Dispatch Date</b>	
			5010		SC		LACCN		15144/C		27-07-2015	
12.1	<b>Wheel &amp; Axle Details:</b>		<b>PP Side</b>				<b>NPP Side</b>					
	i.	<b>Bogie No.</b>	156468				156469					
	ii.	<b>Frame No.</b>	FIAT-3614				FIAT-4000					
	iii.	<b>Bolster No.</b>	4821-P				4859-VT					
	iv.	<b>Axle No.</b>	126494/487		126348/474		127819/987		125961/477			
	v.	<b>Wheel Dia.</b>	916.00	916.00	916.00	916.00	916.00	916.00	916.00	916.00	916.00	916.00
	vi.	<b>Wheel Disc No.</b>	055-63302	268-63302	337-63302	200-63307	236-11607	243-10579	319-63302	355-63307		
	vii.	<b>R.B. Nos.</b>	04095	04316	04394	04122	03724	03884	04401	04474		
	viii.	<b>R.B. Make</b>	TIMKEN		TIMKEN		TIMKEN		TIMKEN			
	ix.	<b>RB Type</b>	UIC CARTRIDGE TAPER ROLLER BEARING									
12.2	<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>		G-15-03-099	G-12-10-3744	G-15-03-075	G-12-10-3994	G-15-03-022	G-12-10-3783	G-15-03-065	G-12-10-3746		
ii.	<b>Ht. at test load</b>		512	466	514	466	513	467	513	467		
iii.	<b>Align .deviation</b>		16	22	20	25	18	11	21	14		
12.3	<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			L&S-13-03		L&S-13-03		L&S			
	ii.	Primary inner Spring			FSK-11-5		FSK-11-5		FSK			
	iii.	Primary Damper			521,558,461,526		1625,1664,367,626		GEREP			
	iv.	Secondary damper			5270,5342		5160,5085		KONI			
	v.	Lateral Damper			L-3159		L-3156		KONI			
	vi.	Yaw Damper							NIL			
	vii.	Brake cylinder & Caliper			1039/691,1130/691 1041/691,1129/691		1038/691,1132/691 1040/691,1131/691		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							MGN			
	xv.	Secondary rubber pad							TESPAK			
	xvi.	Rubber spring							WINLANE			
	xvii.	Anti roll bar make							EMSON			
	xviii.	Ball joint roll link							SARITA			
	xix.	Fork make							SARITA			
12.4	i.	<b>Modification / Trial (if any):</b>				NIL						
	ii.	<b>Deviations (if any):</b>				NIL						

LWACCN-5010



