



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	4120	DISPATCH DATE			13.05.2015	
2.	Railway	NR	Type	LWACCN	Coach No.	153108	
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)	ESCORTS	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 ²	6 –10 sec	6 Sec		
			Max Pressure in BC	3.80 ± 0.15 Kg/cm ²	3.80		
			All Brake are applied	OK	OK		
	7.2	Insensitivity	Exhaust BP @ 0.3 kg/cm ² /min	No brake application	OK		
	7.3	Sensitivity	Exhaust BP @ 0.1 kg/cm ² /Sec, After 02 Sec.	Brake must apply	OK		
8.	PAINTING DEATAILS:		TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE		
	8.1	PAINT	PU PAINT	VIBGYOR	85/86		
	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		AMIT			
	iii.	SEATS/ BERTHS		AAR KAY FOAMS			
	iv.	BODY SIDE DOOR		SUKATA & JBM			
	v.	VESTIBULE SLIDING DOOR		KALSI			
	vi.	SALOON DOOR		NA			
	vii.	WATER TANKS		KUTEER & SHIVALIK			
	viii.	UIC VESTIBULE		ASTOMER			
	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.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			4120		NR		LWACCN		153108		11-2-2015	
12.1	Wheel & Axle Details:		PP Side						NPP Side			
	i.	Bogie No.	146757						146758			
	ii.	Frame No.	FIAT-3419						FIAT-3312			
	iii.	Bolster No.	4174-GT						4015-VT			
	iv.	Axle No.	Z-3987			RWF-110568			106105/630		RWF-109763	
	v.	Wheel Dia.	916.00	916.00	916.00	916.00	916.00	916.00	916.00	916.00	916.00	
	vi.	Wheel Disc No.	025-10570	195-10570	331-10559	029-11600	059-11611	181-10568	096-10533	043-10533		
	vii.	R.B. Nos.	01410	01086	01417	36635	01323	00905	01513	01514		
	viii.	R.B. Make	TIMKEN		TIMKEN		TIMKEN		TIMKEN			
	ix.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING									
12.2	<u>Secondary suspension load deflection Values:</u>											
Description		Secondary 1		Secondary 2		Secondary 1		Secondary 2				
		Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner			
i.	Make & nos.	G-12-8-385	G-13-4-4965	G-12-8-391	G-13-4-4756	G-12-8-548	G-12-10-3805	G-12-8-296	G-12-10-3755			
ii.	Ht. attest load	512	466	513	467	513	466	512	466			
iii.	Align .deviation	17	8	20	12	22	14	21	12			
12.3	<u>Items traceability:</u>											
	Sno.	Item			PP Side Bogie		NPP side Bogie		Make			
	i.	Primary Outer Spring			G-12-10		G-12-5		GF			
	ii.	Primary inner Spring			G-12-5		G-12-5		GF			
	iii.	Primary Damper							KONI			
	iv.	Secondary damper							GEREP			
	v.	Lateral Damper							KONI			
	vi.	Yaw Damper							NIL			
	vii.	Brake cylinder & Caliper							FTI			
	viii.	Brake Disc							KBI			
	ix.	Ball joint Control arm							SGA			
	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							MTC			
	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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Form No. : QMF 9454; Version: 1

1.	SHELL No.	4117	DISPATCH DATE			12.05.2015	
2.	Railway	NR	Type	LWACCN	Coach No.	153110	
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)	ESCORTS	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 ²	6 -10 sec	6 Sec		
			Max Pressure in BC	3.80 ± 0.15 Kg/cm ²	3.80		
			All Brake are applied	OK	OK		
	7.2	Insensitivity	Exhaust BP @ 0.3 kg/cm ² /min	No brake application	OK		
	7.3	Sensitivity	Exhaust BP @ 0.1 kg/cm ² /Sec, After 02 Sec.	Brake must apply	OK		
8.	PAINTING DEATAILS:		TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE		
	8.1	PAINT	PU PAINT	VIBGYOR	87/89		
	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	AIKON				
	iii.	SEATS/ BERTHS	AAR KAY FOAMS				
	iv.	BODY SIDE DOOR	SUKATA				
	v.	VESTIBULE SLIDING DOOR	KALSI				
	vi.	SALOON DOOR	KALSI				
	vii.	WATER TANKS	AMIT & SHIVALIK				
	viii.	UIC VESTIBULE	CEMCON				
	ix	FLOOR BOARD	TAYAL				
	X	PVC	RESPONSIVE				
10.	Modification / Trail (if any):					FITTED WITH BIO DIGESTER OF M/s RAIL FAB	
	10.1					NIL	
	10.2	Deviations if any:				NIL	



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12.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date			
			4117	NR	LWACCN	153110	11-03-2015			
12.1	Wheel & Axle Details:		PP Side				NPP Side			
	i.	Bogie No.	156194				156195			
	ii.	Frame No.	FIAT-3836				FIAT-3849			
	iii.	Bolster No.	4481-GT				4549-GT			
	iv.	Axle No.	A-2863		B-9816		A-2803		C-0031	
	v.	Wheel Dia.	916.50	916.00	916.00	916.00	917.00	917.00	917.00	917.00
	vi.	Wheel Disc No.	021-11600	229-63309	044-10559	051-10559	291-10382	020-10568	034-63307	343-63307
	vii.	R.B. Nos.	26435	24975	29983	30160	30556	01388	25818	25814
	viii.	R.B. Make	SKF		SKF		SKF		SKF	
	ix.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING							
12.2	Secondary suspension load deflection Values:									
Description		Secondary 1		Secondary 2		Secondary 1		Secondary 2		
		Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner	
i.	Make & nos.	CMFSK-01-15--6	BPS-2013-162	CMFSK-01-15-21	BPS-2013-042	CMFSK-01-15-27	BPS-2013-181	CMFSK-01-15-16	BPS-2013-05	
ii.	Ht. attest load	515	467	515	464	515	467	515	468	
iii.	Align .deviation	6	18	8	23	6	24	6	26	
12.3	Items traceability:									
	Sno.	Item			PP Side Bogie		NPP side Bogie		Make	
	i.	Primary Outer Spring			YR-10-10		YR-10-10		YR	
	ii.	Primary inner Spring			FSK-14-12		FSK-14-12		FSK	
	iii.	Primary Damper							KONI	
	iv.	Secondary damper							GEREP	
	v.	Lateral Damper							GEREP	
	vi.	Yaw Damper							NIL	
	vii.	Brake cylinder & Caliper							KBI	
	viii.	Brake Disc							FTI	
	ix.	Ball joint Control arm							BHAM	
	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							SRITA,GMT	
	xix.	Fork make							SARITA	
12.4	i.	Modification / Trial (if any):				NIL				
	ii.	Deviations (if any):				NIL				

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Form No. : QMF 9454; Version: 1

1.	SHELL No.	4112	DISPATCH DATE			13.05.2015	
2.	Railway	NR	Type	LWACCN	Coach No.	153107	
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)	ESCORTS	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 ²	6 –10 sec	6 Sec		
			Max Pressure in BC	3.80 ± 0.15 Kg/cm ²	3.80		
			All Brake are applied	OK	OK		
	7.2	Insensitivity	Exhaust BP @ 0.3 kg/cm ² /min	No brake application	OK		
	7.3	Sensitivity	Exhaust BP @ 0.1 kg/cm ² /Sec, After 02 Sec.	Brake must apply	OK		
8.	PAINTING DEATAILS:		TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE		
	8.1	PAINT	PU PAINT	VIBGYOR	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		ORIENTAL			
	iii.	SEATS/ BERTHS		AAR KAY FOAMS			
	iv.	BODY SIDE DOOR		SUKATA			
	v.	VESTIBULE SLIDING DOOR		KALSI			
	vi.	SALOON DOOR		KALSI			
	vii.	WATER TANKS		KUTEER & SHIVALIK			
	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.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			4112		CR		LWACCN		153107		12-03-2015	
12.1	Wheel & Axle Details:		PP Side						NPP Side			
	i.	Bogie No.	156200						156201			
	ii.	Frame No.	FIAT-3738						FM-131			
	iii.	Bolster No.	4555-GT						4526-GT			
	iv.	Axle No.	B-9639			B-9884			B-9961		Z-3831	
	v.	Wheel Dia.	917.00	917.00	916.00	916.00	916.00	916.00	917.00	916.50		
	vi.	Wheel Disc No.	045-10533	192-10582	213-10579	060-10579	219-10582	005-10382	257-63301	289-10579		
	vii.	R.B. Nos.	25116	25207	24931	26201	32410	36398	23558	26659		
	viii.	R.B. Make	SKF			SKF			SKF		SKF	
	ix.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING									
12.2	Secondary suspension load deflection Values:											
Description		Secondary 1		Secondary 2		Secondary 1		Secondary 2				
		Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner			
i.	Make & nos.	FSK-15-01-24	BPS-2013-202	FSK-15-01-2	BPS-2013-211	FSK-15-01-17	BPS-2013-242	FSK-15-01-10	BPS-2013-208			
ii.	Ht. attest load	512	468	514	468	512	466	512	468			
iii.	Align .deviation	8	21	10	24	5	10	6	16			
12.3	Items traceability:											
	Sno.	Item			PP Side Bogie		NPP side Bogie		Make			
	i.	Primary Outer Spring			YR-10-10		YR-10-10		YR			
	ii.	Primary inner Spring			FSK-14-05		FSK-14-05		FSK			
	iii.	Primary Damper							KONI			
	iv.	Secondary damper							GEREP			
	v.	Lateral Damper							GEREP			
	vi.	Yaw Damper							NIL			
	vii.	Brake cylinder & Caliper							NOT FITTED			
	viii.	Brake Disc							KBI			
	ix.	Ball joint Control arm							SGA			
	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							SRITA,GMT			
	xix.	Fork make							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.	4119	DISPATCH DATE			13.05.2015	
2.	Railway	NR	Type	LWACCN	Coach No.	153111	
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)	ESCORTS	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 ²		6 –10 sec	6 Sec		
		Max Pressure in BC		3.80 ± 0.15 Kg/cm ²	3.80		
		All Brake are applied		OK	OK		
7.2	Insensitivity	Exhaust BP @ 0.3 kg/cm ² /min		No brake application	OK		
7.3	Sensitivity	Exhaust BP @ 0.1 kg/cm ² /Sec, After 02 Sec.		Brake must apply	OK		
8.	PAINTING DEATAILS:		TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE		
8.1	PAINT		PU PAINT	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			AIKON			
iii.	SEATS/ BERTHS			AAR KAY FOAMS			
iv.	BODY SIDE DOOR			SUKATA			
v.	VESTIBULE SLIDING DOOR			KALSI			
vi.	SALOON DOOR			KALSI			
vii.	WATER TANKS			KUTEER & SHIVALIK			
viii.	UIC VESTIBULE			CEMCON			
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.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			4119		NR		LWACCN		153111		12-03-2015	
12.1	Wheel & Axle Details:		PP Side						NPP Side			
	i.	Bogie No.	156198						156199			
	ii.	Frame No.	FIAT-3712						FIAT-3824			
	iii.	Bolster No.	4558-GT						4587-P			
	iv.	Axle No.	A-3114			A-3108			C-4708		B-9860	
	v.	Wheel Dia.	915.50	915.50	915.00	915.00	916.00	916.00	916.00	916.00	916.00	916.00
	vi.	Wheel Disc No.	174-11611	044-10582	078-11605	089-10568	175-10570	026-10583	259-10583	155-10582	10583	10582
	vii.	R.B. Nos.	37920	37922	24686	24260	01733	02462	02666	02060	02666	02060
	viii.	R.B. Make	SKF			SKF			TIM		TIM	
	ix.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING									
12.2	Secondary suspension load deflection Values:											
Description		Secondary 1		Secondary 2		Secondary 1		Secondary 2				
		Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner			
i.	Make & nos.	FSK-01-15-09	BPS-2013-181	FSK-01-15-09	BPS-2013-181	FSK-01-15-9	BPS-2013-035	FSK-01-15-3	BPS-2013-165			
ii.	Ht. attest load	513	467	513	467	510	468	512	466			
iii.	Align .deviation	4	20	4	20	7	16	6	15			
12.3	Items traceability:											
	Sno.	Item			PP Side Bogie		NPP side Bogie		Make			
	i.	Primary Outer Spring			YR-10-10		YR-10-10		YR			
	ii.	Primary inner Spring			FSK-05-14		FSK-05-14		FSK			
	iii.	Primary Damper							KONI			
	iv.	Secondary damper							GEREP			
	v.	Lateral Damper							GEREP			
	vi.	Yaw Damper							NIL			
	vii.	Brake cylinder & Caliper							KBI			
	viii.	Brake Disc							KBI			
	ix.	Ball joint Control arm							MGN			
	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			
12.4	i.	Modification / Trial (if any):					NIL					
	ii.	Deviations (if any):					NIL					

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1.	SHELL No.	4122	DISPATCH DATE			14.05.2015	
2.	Railway	NR	Type	LWACCN	Coach No.	153109	
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	1104			
v)	Buffer/CBC (Make)	ESCORTS	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 ²	6 –10 sec	6 Sec		
			Max Pressure in BC	3.80 ± 0.15 Kg/cm ²	3.80		
			All Brake are applied	OK	OK		
7.2	Insensitivity		Exhaust BP @ 0.3 kg/cm ² /min	No brake application	OK		
7.3	Sensitivity		Exhaust BP @ 0.1 kg/cm ² /Sec, After 02 Sec.	Brake must apply	OK		
8.	PAINTING DEATAILS:		TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE		
8.1	PAINT		PU PAINT	VIBGYOR	90/89		
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			AMIT			
iii.	SEATS/ BERTHS			AAR KAY FOAMS			
iv.	BODY SIDE DOOR			SUKATA, JBM			
v.	VESTIBULE SLIDING DOOR			KALSI			
vi.	SALOON DOOR			KALSI			
vii.	WATER TANKS			KUTEER & SHIVALIK			
viii.	UIC VESTIBULE			CEMCON			
ix	FLOOR BOARD			NARBADA			
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.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			4122		NR		LWACCN		153109		30-04-2015	
12.1	Wheel & Axle Details:		PP Side				NPP Side					
	i.	Bogie No.	156337				156338					
	ii.	Frame No.	ECBT-938				ECBT-931					
	iii.	Bolster No.	4733-P				4736-P					
	iv.	Axle No.	C-4605		C-4060		12676/468		128127/984			
	v.	Wheel Dia.	916.00	916.00	916.00	916.00	915.50	915.00	915.50	915.00	915.50	915.00
	vi.	Wheel Disc No.	258-10582	162-10583	350-11605	207-11605	207-10582	072-10570	161/10583	583	216-10570	10570
	vii.	R.B. Nos.	36572	36316	26088	41525	29441	07891	29439	01877	01877	01877
	viii.	R.B. Make	SKF		SKF		SKF		SKF			
	ix.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING									
12.2	Secondary suspension load deflection Values:											
Description		Secondary 1		Secondary 2		Secondary 1		Secondary 2				
		Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner			
i.	Make & nos.	CMFSK-03-15-46	CMFSK-05-14-24	CMFSK-03-15	CMFSK-05-14-14	CMFSK-03-15	CMFSK-05-14	CMFSK	CMFSK-05			
ii.	Ht. attest load	511.5	466	510	464	514	468	512	468			
iii.	Align .deviation	8	14	9	18	7	6	7	8			
12.3	Items traceability:											
	Sno.	Item			PP Side Bogie		NPP side Bogie		Make			
	i.	Primary Outer Spring			YR		YR		YR			
	ii.	Primary inner Spring			GBD		GBD		GBD			
	iii.	Primary Damper			1156,11,14,22		192,1167,214,74		GEREP			
	iv.	Secondary damper			164,884		757,608		GEREP			
	v.	Lateral Damper			2779		2801		KONI			
	vi.	Yaw Damper							NIL			
	vii.	Brake cylinder & Caliper			K14030/600,M14024/600, A15102/600,14016/600		A15103/600,L14027/600, A15087/600,L14030/600		FTI			
	viii.	Brake Disc							FTII			
	ix.	Ball joint Control arm							MGN			
	x.	Lateral Bump stop							GMT			
	xi.	Traction center make							SARITA			
	xii.	Traction lever make							GMT,SARIT A			
	xiii.	Ball joint traction lever							GMT			
	xiv.	Traction centre elastic							GMT			
	xv.	Secondary rubber pad							TESPAK			
	xvi.	Rubber spring							GMT			
	xvii.	Anti roll bar make							EMSON			
	xviii.	Ball joint roll link							SARITA			
	xix.	Fork make							EMSON			
12.4	i.	Modification / Trial (if any):				NIL						
	ii.	Deviations (if any):				NIL						

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