



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	4110	DISPATCH DATE			20.02.2015	
2.	Railway	SCR	Type	LWACCN	Coach No.	15106	
3.	Booked to	SSE/C&W/SC					
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			M K PRECISION			
iii.	SEATS/ BERTHS			SAVITRI			
iv.	BODY SIDE DOOR			JBM			
v.	VESTIBULE SLIDING DOOR			KALSI			
vi.	SALOON DOOR			NA			
vii.	WATER TANKS			AMIT & 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	
			4110		SCR		LWACCN		15106		03-11-2014	
12.1	Wheel & Axle Details:		PP Side						NPP Side			
	i.	Bogie No.	146915						146916			
	ii.	Frame No.	FIAT-3467						FIAT-3472			
	iii.	Bolster No.	4202-GT						4192-GT			
	iv.	Axle No.	106521/628			128361/991			125665/479		Z-3945	
	v.	Wheel Dia.	917.00	917.00	917.00	917.00	917.00	917.00	917.00	917.00	917.00	
	vi.	Wheel Disc No.	085-63302	193-11596	076-11611	046-10579	120-10559	008-10568	089-11603	336-11603		
	vii.	R.B. Nos.	36453	36587	36444	28717	27677	35784	37557	36293		
	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	Outer	Inner	
i.	Make & nos.	YR-13-6-014	YR-13-11-134	YR-13-6-071	YR-13-11-316	YR-13-6-070	YR-13-11-137	YR-13-3-069	YR-13-11-138			
ii.	Ht. attest load	513.40	465.20	511.40	466.60	511.50	466.00	510.40	467.70			
iii.	Align .deviation	7.03	28.82	4.30	28.54	4.25	30.77	3.35	30.34			
12.3	Items traceability:											
	Sno.	Item			PP Side Bogie		NPP side Bogie		Make			
	i.	Primary Outer Spring			YR-13-11		YR-13-11		YR			
	ii.	Primary inner Spring			YR-13-12		YR-13-12		YR			
	iii.	Primary Damper							KONI			
	iv.	Secondary damper							SACHS			
	v.	Lateral Damper							KONI			
	vi.	Yaw Damper							NIL			
	vii.	Brake cylinder & Caliper							-----			
	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							EMSON			
12.4	i.	Modification / Trial (if any):						NIL				
	ii.	Deviations (if any):						NIL				

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1.	SHELL No.	4103	DISPATCH DATE			19.02.2015	
2.	Railway	SCR	Type	LWACCN	Coach No.	15105	
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)	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			VIBHU			
iii.	SEATS/ BERTHS			SAVITRI			
iv.	BODY SIDE DOOR			JBM, SUKATA, JVR			
v.	VESTIBULE SLIDING DOOR			KALSI			
vi.	SALOON DOOR			NA			
vii.	WATER TANKS			AMIT & SHIVALIK			
viii.	UIC VESTIBULE			FRIKMART			
ix	FLOOR BOARD			NABADA			
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	
			4103		SCR		LWACCN		15105		31-01-2015	
12.1	Wheel & Axle Details:		PP Side				NPP Side					
	i.	Bogie No.	156094				156095					
	ii.	Frame No.	SCI/FM-91				SCI/FM-96					
	iii.	Bolster No.	4018-P				4155-GT					
	iv.	Axle No.	B-9834		C-4419		B-9843		B-9926			
	v.	Wheel Dia.	915.50	916.00	916.00	916.00	916.00	916.00	915.50	916.00		
	vi.	Wheel Disc No.	001-11611	208-63309	255-11600	079-10570	322-63301	058-11611	223-63301	142-63307		
	vii.	R.B. Nos.	26197	36998	41468	25970	28715	32066	24273	37852		
	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	Outer	Inner	
i.	Make & nos.	CMGBD-14-7-02	HZ-13-1-42	CMGBD-14-7-6	HZ-13-1-42	CMGBD-14-7-15	HZ-13-1-46	CMGBD-14-7-8	HZ-13-1-46			
ii.	Ht. attest load	510	465	510	463	515	467	514	466			
iii.	Align .deviation	7	3	8	6	8	6	8	6			
12.3	Items traceability:											
	Sno.	Item			PP Side Bogie		NPP side Bogie		Make			
	i.	Primary Outer Spring			BPS-2013		BPS-2013		BPS			
	ii.	Primary inner Spring			BPS-2013		BPS-2013		BPS			
	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							MTC			
	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							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.	4114	DISPATCH DATE			26.02.2015
2.	Railway	SCR	Type	LWACCN	Coach No.	15108
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)	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	89/90	
	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			VIBHU	
	iii.	SEATS/ BERTHS			SAVITRI	
	iv.	BODY SIDE DOOR			JBM, SUKATA	
	v.	VESTIBULE SLIDING DOOR			KALSI	
	vi.	SALOON DOOR			NA	
	vii.	WATER TANKS			AMIT & 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			
			4114	SCR	LWACCN	15108	13-02-2015			
12.1	Wheel & Axle Details:		PP Side				NPP Side			
	i.	Bogie No.	156130				156131			
	ii.	Frame No.	SCI/FM-105				SCI-FM-109			
	iii.	Bolster No.	3426-P				4061-VT			
	iv.	Axle No.	B-9930		A-3249		A-3040		C-4778	
	v.	Wheel Dia.	915.50	915.00	916.00	916.00	916.00	916.00	915.50	916.00
	vi.	Wheel Disc No.	100-62314	036-10568	073-11605	211-11603	290-63309	120-11600	008-11605	149-11605
	vii.	R.B. Nos.	24111	24669	31695	31166	24382	24317	24664	25895
	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.	LPDN-13-03-1439	HZ-13-003	LPDN-13-03-1396	HZ-13-051	LPDN-13-05-1555	HZ-13-NIL	LPDN-13-05-1526	HZ-13-034	
ii.		Ht. attest load	509	467.80	508	466.30	507	467.90	508	466.90
iii.	Align .deviation	12	41	13	42.20	6	47.80	8	49.80	
12.3	Items traceability:									
	Sno.	Item			PP Side Bogie		NPP side Bogie		Make	
	i.	Primary Outer Spring			CMFSK-14-5		CMFSK-14-5		CMFSK	
	ii.	Primary inner Spring			GBP-14-05		GBP-14-05		GBP	
	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							WINLANE	
	x.	Lateral Bump stop							GMT	
	xi.	Traction center make							SARITA	
	xii.	Traction lever make							SARITA	
	xiii.	Ball joint traction lever							GMT	
	xiv.	Traction centre elastic							GMT	
	xv.	Secondary rubber pad							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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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	4023	DISPATCH DATE			26.02.2015	
2.	Railway	SCR	Type	LWACCN	Coach No.	15107	
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 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	NEROLAC	86/86		
	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	VIBHU				
	iii.	SEATS/ BERTHS	AAR KAY FOAMS				
	iv.	BODY SIDE DOOR	JBM, SUKATA				
	v.	VESTIBULE SLIDING DOOR	JBM				
	vi.	SALOON DOOR	NA				
	vii.	WATER TANKS	AMIT & SHIVALIK				
	viii.	UIC VESTIBULE	KRP				
	ix	FLOOR BOARD	NARBADA				
	X	PVC	RESPONSIVE				
10.	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			
			4023	SCR	LWACCN	15107	09-02-2015			
12.1	Wheel & Axle Details:		PP Side				NPP Side			
	i.	Bogie No.	156118				156119			
	ii.	Frame No.	FIAT-3777				FIAT-3808			
	iii.	Bolster No.	4463-GT				4488-GT			
	iv.	Axle No.	A-2929		C-3949		A-3153		B-9895	
	v.	Wheel Dia.	916.00	916.00	916.00	916.50	916.00	916.00	916.00	916.00
	vi.	Wheel Disc No.	206-10582	302-63309	275-11605	004-11603	264-11610	118-11605	274-11600	225-11600
	vii.	R.B. Nos.	36682	26206	36180	37527	38091	25126	25183	25127
	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.	CMGBD-14-11-83670	HZ-13-016	CMGBD-14-11-83670	HZ-13-103	CMGBD-14-11-NIL	HZ-13-015	CMGBD-14-11-83670	HZ-13-117	
ii.	Ht. attest load	515	467.80	515	464.10	512	466.40	514	467.90	
iii.	Align .deviation	7	43.60	7	47.50	8	29.30	8	32.50	
12.3	Items traceability:									
	Sno.	Item		PP Side Bogie		NPP side Bogie		Make		
	i.	Primary Outer Spring		BPS-2013		BPS-2013		BPS		
	ii.	Primary inner Spring		BPS-2013		BPS-2013		BPS		
	iii.	Primary Damper						KONI		
	iv.	Secondary damper						GEREP		
	v.	Lateral Damper						GEREP		
	vi.	Yaw Damper						NIL		
	vii.	Brake cylinder & Caliper						FTI		
	viii.	Brake Disc						KBI		
	ix.	Ball joint Control arm						WINLANE,WI NLANE&GM T		
	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.	4099	DISPATCH DATE			05.03.2015	
2.	Railway	SCR	Type	LWACCN	Coach No.	15109	
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	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	87/88		
	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			VIBHU		
	iii.	SEATS/ BERTHS			AAR KAY FOAMS		
	iv.	BODY SIDE DOOR			SUKATA, JBM, MOHAN		
	v.	VESTIBULE SLIDING DOOR			KALSI		
	vi.	SALOON DOOR			NA		
	vii.	WATER TANKS			AMIT & SHIVALIK		
	viii.	UIC VESTIBULE			FRIKMART		
	ix	FLOOR BOARD			TAYAL		
	X	PVC			PREMIER POLYFILM		
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	
			4099		SCR		LWACCN		15109		20-02-2015	
12.1	Wheel & Axle Details:		PP Side						NPP Side			
	i.	Bogie No.	156150						156151			
	ii.	Frame No.	SCI/FM-116						SCI/FM-114			
	iii.	Bolster No.	4531-GT						4523-GT			
	iv.	Axle No.	A-3021			C-4740			C-4000		A-2956	
	v.	Wheel Dia.	915.00	915.50	916.00	916.50	916.00	916.50	916.50	916.00	916.00	
	vi.	Wheel Disc No.	126-11600	051-63305	325-63305	141-11603	186-11603	111-63301	012-63307	173-63307		
	vii.	R.B. Nos.	31854	32086	36438	24282	31759	27672	24277	24281		
	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.	DN-12-10-1290	HZ-13-011	DN-12-10-1247	HZ-13-108	DN-12-113510-	HZ-13-NIL	DN-12-09-1094	HZ-13-019			
ii.	Ht. attest load	505	467.9	508	466.9	505	467.9	515	466			
iii.	Align .deviation	6	25.9	3	25.3	9	33.6	13	38			
12.3	Items traceability:											
	Sno.	Item			PP Side Bogie			NPP side Bogie			Make	
	i.	Primary Outer Spring			CMRSK-13-03			CMRSK-13-03			CMRSK	
	ii.	Primary inner Spring			CMGBD-14-05			CMGBD-14-05			CMGBD	
	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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