



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	4004	DISPATCH DATE			22.5.2014	
2.	Railway	SEC	Type	LWSCN1	Coach No.	14204	
3.	Booked to	SSE/C&W/BSP					
4.	Tare Weight of Coach	41.239 T					
5.	Carrying Capacity	Seating	80	Sleeping	80	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)	ESCORTS	Fiba Device	NA			
7.	Air Brake Testing:	Description		Specified	Observed		
7.1	Full Brake Application	Reduce pressure of BP from 5.0 to 3.4 kg/cm ²		6 –10 sec	6 Sec		
		Max Pressure in BC		3.00 ± 0.15 Kg/cm ²	3.00		
		All Brake are applied		OK	OK		
7.2	Insensitivity	Exhaust BP @ 0.3 kg/cm ² /min		No brake application	OK		
7.3	Sensitivity	Exhaust BP @ 0.1 kg/cm ² /Sec, After 02 Sec.		Brake must apply	OK		
8.	PAINTING DEATAILS:		TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE		
8.1	PAINT	PU PAINT		VIBGYOR	86/88.6		
8.2	APPLICATION OF PCN-123	SATISFACTORY					
8.3	INSUALTION	SATISFACTORY					
9.	Traceability of Furnishing Items:			Make			
i	BRAKE EQUIPMENT			KBI			
ii	SEAT & BERTH			AMIR CHAND			
iii	BODY SIDE DOORS			MOHAN RAIL& JBM			
iv	WATER TANKS			AMIT & SHIVALIK			
v	FLOOR BOARD			TAYAL			
vi	PVC FLOORING			RESPONSIVE			
vii	UIC VESTIBULE			KRP			
viii	VESTIBULE SLIDING DOOR			JBM			
10.							
10.1	Modification / Trail (if any):				NIL		
10.2	Deviations if any:				NIL		



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12.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			4004		SEC		LWSCN1		14204		29-04-2014	
12.1	Wheel & Axle Details:		PP Side						NPP Side			
	i.	Bogie No.	146338						146339			
	ii.	Frame No.	FIAT-3056						FIAT-2899			
	iii.	Bolster No.	3222-GT						3788-GT			
	iv.	Axle No.	RWF-110639		RWF-110632		RWF-109602		RWF-109127			
	v.	Wheel Dia.	918.00	918.00	918.00	918.00	918.00	918.00	917.00	917.00		
	vi.	Wheel Disc No.	112-50908	180-51908	035-51910	247-51916	073-51915	077-51915	253-51919	002-51910		
	vii.	R.B. Nos.	09102	12577	91500	40709	91527	40806	40560	09095		
	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-2-14-29	CVFSK-2-14-80	CMFSK-2-14-06	CVFSK-2-14-9	CMFSK-2-14-50	CVFSK-2-14-16	CMFSK-2-14-12	CVFSK-2-14-55		
ii.	Ht. attest load		511	471	512	472	514.5	472	513	472		
iii.	Align .deviation		5	4	6	7	8	5	9	5		
12.3	Items traceability:											
	Sno.	Item				PP Side Bogie		NPP side Bogie		Make		
	i.	Primary Outer Spring				CMFSK		CMFSK		CMFSK		
	ii.	Primary inner Spring				CMFSK		CMFSK		CMFSK		
	iii.	Primary Damper								GEREP		
	iv.	Secondary damper								GEREP		
	v.	Lateral Damper								SACHS		
	vi.	Yaw Damper								NIL		
	vii.	Brake cylinder & Caliper								KBI		
	viii.	Brake Disc								KBI		
	ix.	Ball joint Control arm								GMT		
	x.	Lateral Bump stop								GMT		
	xi.	Traction center make								EMSON		
	xii.	Traction lever make								SARITA		
	xiii.	Ball joint traction lever								SGA		
	xiv.	Traction centre elastic								GMT		
	xv.	Secondary rubber pad								TESPAK		
	xvi.	Rubber spring								GMT		
	xvii.	Anti roll bar make								SARITA		
	xviii.	Ball joint roll link								SARITA		
	xix.	Fork make								EMSON		
12.4	i.	Modification / Trial (if any):				NIL						
	ii.	Deviations (if any):				NIL						

LWSCN1-4004



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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	4009	DISPATCH DATE			23.5.2014	
2.	Railway	SEC	Type	LWSCN1	Coach No.	14202	
3.	Booked to		SSE/C&W/BSP				
4.	Tare Weight of Coach		41.239 T				
5.	Carrying Capacity	Seating	80	Sleeping	80	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	NA		
7.	Air Brake Testing:		Description		Specified	Observed	
7.1	Full Brake Application		Reduce pressure of BP from 5.0 to 3.4 kg/cm ²		6 –10 sec	6 Sec	
			Max Pressure in BC		3.00 ± 0.15 Kg/cm ²	3.00	
			All Brake are applied		OK	OK	
7.2	Insensitivity		Exhaust BP @ 0.3 kg/cm ² /min		No brake application	OK	
7.3	Sensitivity		Exhaust BP @ 0.1 kg/cm ² /Sec, After 02 Sec.		Brake must apply	OK	
8.	PAINTING DEATAILS:		TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE		
8.1	PAINT		PU PAINT	NEROLAC	85.3/84		
8.2	APPLICATION OF PCN-123		SATISFACTORY				
8.3	INSUALTION		SATISFACTORY				
9.	Traceability of Furnishing Items:			Make			
I	BRAKE EQUIPMENT			FAIVELEY			
li	SEAT & BERTH			GANDHI			
lii	BODY SIDE DOORS			JBM			
lv	WATER TANKS			AMIT & SHIVALIK			
v	FLOOR BOARD			TAYAL			
vi	PVC FLOORING			RESPONSIVE			
vii	UIC VESTIBULE			KRP			
viii	VESTIBULE SLIDING DOOR			JBM			
10.							
10.1	Modification / Trail (if any):				NIL		
10.2	Deviations if any:				NIL		



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12.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date				
				LS		05-5-14				
12.1	Wheel & Axle Details:	PP Side					NPP Side			
	i. Bogie No.	146282					146395			
	ii. Frame No.	FIAT-2319					FIAT-2103			
	iii. Bolster No.	3524-GT					3794-GT			
	iv. Axle No.	W-4532		RWF-109173		RWF-109828		RWF-109210		
	v. Wheel Dia.	918.00	918.00	918.00	918.00	918.00	918.00	918.00	918.00	
	vi. Wheel Disc No.	238-51910	213-51910	381-51908	242-51915	147-51908	120-51916	021-51915	136-51916	
	vii. R.B. Nos.	07859	07715	12049	12060	12281	12041	78902	78962	
	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.	G-12-13-190	G-12-13-338	G-12-13-233	G-12-13-362	G-12-13-267	G-12-13-175	G-12-13-265	G-12-13-189	
ii.	Ht. attest load	515	468	514	471	513	469	515	471	
iii.	Align .deviation	1	18	2	16	3	19	2	18	
12.3	Items traceability:									
	Sno.	Item	PP Side Bogie			NPP side Bogie			Make	
	i.	Primary Outer Spring	G-13-11			G-13-11			GF	
	ii.	Primary inner Spring	G-13-11			G-13-11			GF	
	iii.	Primary Damper							GEREP	
	iv.	Secondary damper							GEREP	
	v.	Lateral Damper							SACHS	
	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							GMT	
	xvii.	Anti roll bar make							SARITA	
	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.	4002	DISPATCH DATE			24.5.2014	
2.	Railway	SEC	Type	LWSCN1	Coach No.	14205	
3.	Booked to	SSE/C&W/BSP					
4.	Tare Weight of Coach	41.239 T					
5.	Carrying Capacity	Seating	80	Sleeping	80	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	NA		
7.	Air Brake Testing:	Description		Specified	Observed		
7.1	Full Brake Application	Reduce pressure of BP from 5.0 to 3.4 kg/cm ²		6 –10 sec	6 Sec		
		Max Pressure in BC		3.00 ± 0.15 Kg/cm ²	3.00		
		All Brake are applied		OK	OK		
7.2	Insensitivity	Exhaust BP @ 0.3 kg/cm ² /min		No brake application	OK		
7.3	Sensitivity	Exhaust BP @ 0.1 kg/cm ² /Sec, After 02 Sec.		Brake must apply	OK		
8.	PAINTING DEATAILS:		TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE		
8.1	PAINT		PU PAINT	VIBGYO	87/89		
8.2	APPLICATION OF PCN-123		SATISFACTORY				
8.3	INSUALTION		SATISFACTORY				
9.	Traceability of Furnishing Items:			Make			
I	BRAKE EQUIPMENT			FAIVELEY			
li	SEAT & BERTH			AMIR CHAND			
lii	BODY SIDE DOORS			JBM			
lv	WATER TANKS			JINDAL, AMIT & SHIVALIK			
v	FLOOR BOARD			TAYAL			
vi	PVC FLOORING			RESPONSIVE			
vii	UIC VESTIBULE			KRP			
viii	VESTIBULE SLIDING DOOR			JBM			
10.							
10.1	Modification / Trail (if any):				NIL		
10.2	Deviations if any:				NIL		



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12.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date			
			4002	SEC	LWSCN1	14205	05-5-14			
12.1	Wheel & Axle Details:		PP Side				NPP Side			
	i.	Bogie No.	146356				146390			
	ii.	Frame No.	FIAT-3062				FIAT-3111			
	iii.	Bolster No.	3801-GT				3811-P			
	iv.	Axle No.	RWF-110102	RWF-109880	RWF-110267	RWF-110629				
	v.	Wheel Dia.	917.20	917.50	918.00	918.00	918.00	918.00	918.00	918.00
	vi.	Wheel Disc No.	148-50847	110-51915	035-51915	143-51908	324-51908	078-50857	224-51910	048-53102
	vii.	R.B. Nos.	69120	78963	91461	03666	11293	12048	11598	08748
	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.	G-12-13-286	G-11-13-183	G-12-13-152	G-11-13-130	G-13-12-160	G-13-11-177	G-13-12-208	G-13-11-176	
ii.	Ht. attest load	515	468	515	469	515	471	514	470	
iii.	Align .deviation	2	20	1	20	4	16	4	16	
12.3	Items traceability:									
	Sno.	Item	PP Side Bogie			NPP side Bogie		Make		
	i.	Primary Outer Spring	G-13-11			G-13-11		GF		
	ii.	Primary inner Spring	G-13-11			G-13-11		GF		
	iii.	Primary Damper						GEREP		
	iv.	Secondary damper						GEREP		
	v.	Lateral Damper						SACHS		
	vi.	Yaw Damper						NIL		
	vii.	Brake cylinder & Caliper						FTI		
	viii.	Brake Disc						FTI		
	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						GMT		
	xv.	Secondary rubber pad						TESPAK		
	xvi.	Rubber spring						GMT		
	xvii.	Anti roll bar make						SARITA		
	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.	4001	DISPATCH DATE				14.6.2014
2.	Railway	SEC	Type	LWSCN1	Coach No.	14206	
3.	Booked to	SSE/C&W/BSP					
4.	Tare Weight of Coach	41.239 T					
5.	Carrying Capacity	Seating	80	Sleeping	80	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		1100	1100		
v)	Buffer/CBC (Make)	ESCORTS		Fiba Device	NA		
7.	Air Brake Testing:		Description		Specified	Observed	
7.1	Full Brake Application		Reduce pressure of BP from 5.0 to 3.4 kg/cm ²		6 -10 sec	6 Sec	
			Max Pressure in BC		3.00 ± 0.15 Kg/cm ²	3.00	
			All Brake are applied		OK	OK	
7.2	Insensitivity		Exhaust BP @ 0.3 kg/cm ² /min		No brake application	OK	
7.3	Sensitivity		Exhaust BP @ 0.1 kg/cm ² /Sec, After 02 Sec.		Brake must apply	OK	
8.	PAINTING DEATAILS:		TYPE OF PAINT		MAKE	AVERAGE GLOSS VALUE	
8.1	PAINT		PU PAINT		GS	86/87	
8.2	APPLICATION OF PCN-123		SATISFACTORY				
8.3	INSUALTION		SATISFACTORY				
9.	Traceability of Furnishing Items:				Make		
i	BRAKE EQUIPMENT				FAIVELEY		
ii	SEAT & BERTH				GANDHI		
iii	BODY SIDE DOORS				JBM		
iv	WATER TANKS				E C BLADE, AMIT & SHIVALIK		
v	FLOOR BOARD				TAYAL		
vi	PVC FLOORING				RESPONSIVE		
vii	UIC VESTIBULE				KRP		
viii	VESTIBULE SLIDING DOOR				JBM		
10.							
10.1	Modification / Trail (if any):				NIL		
10.2	Deviations if any:				NIL		



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12.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			4001		SEC		LWSCN1		14206		20-5-14	
12.1	Wheel & Axle Details:		PP Side				NPP Side					
	i.	Bogie No.	146452				146453					
	ii.	Frame No.	FIAT-3014				FIAT-3095					
	iii.	Bolster No.	3006-GT				3117-P					
	iv.	Axle No.	RWF-109965		RWF-109808		W-4620			W-4519		
	v.	Wheel Dia.	916.00	916.00	915.00	915.00	915.00	915.00	915.00	915.00	915.00	
	vi.	Wheel Disc No.	009-63305	058-63302	303-63305	117-62321	336-51910	328-51908	200-63302	011-63302	011-63302	
	vii.	R.B. Nos.	08366	08982	12388	35959	07228	77333	91622	91622	35337	
	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-02-14-5101	CMFSK-02-14-5100	CMFSK-02-14-5101	CMFSK-02-14-5100	CMFSK-02-14-5101	CMFSK-02-14-5100	CMFSK-02-14-5101	CMFSK-02-14-5100		
ii.	Ht. attest load		512	469	515	470	513	469	512	471		
iii.	Align .deviation		7	6	10	4	9	6	8	5		
12.3	Items traceability:											
	S No.	Item			PP Side Bogie		NPP side Bogie			Make		
	i.	Primary Outer Spring			CMFSK-02-14		CMFSK-02-14			CMFSK		
	ii.	Primary inner Spring			CMFSK-02-14		CMFSK-02-14			CMFSK		
	iii.	Primary Damper								GEREP		
	iv.	Secondary damper								GEREP		
	v.	Lateral Damper								SACHS		
	vi.	Yaw Damper								NIL		
	vii.	Brake cylinder & Caliper								FTI		
	viii.	Brake Disc								FTI		
	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								SARITA		
	xix.	Fork make								EMSON		
12.4	i.	Modification / Trial (if any):			NIL							
	ii.	Deviations (if any):			NIL							

LWSCN-4001



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Form No. : QMF 9454; Version: 1

1.	SHELL No.	4010	DISPATCH DATE				17.5.2014
2.	Railway	SEC	Type	LWSCN1	Coach No.	14203	
3.	Booked to	SSE/C&W/BSP					
4.	Tare Weight of Coach	41.239 T					
5.	Carrying Capacity	Seating	80	Sleeping	80	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	NA		
7.	Air Brake Testing:		Description	Specified	Observed		
	7.1	Full Brake Application	Reduce pressure of BP from 5.0 to 3.4 kg/cm ²	6 –10 sec	6 Sec		
			Max Pressure in BC	3.00 ± 0.15 Kg/cm ²	3.00		
			All Brake are applied	OK	OK		
	7.2	Insensitivity	Exhaust BP @ 0.3 kg/cm ² /min	No brake application	OK		
	7.3	Sensitivity	Exhaust BP @ 0.1 kg/cm ² /Sec, After 02 Sec.	Brake must apply	OK		
8.	PAINTING DEATAILS:		TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE		
	8.1	PAINT	PU PAINT	VIBGYOR	86/87		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:			Make			
	I	BRAKE EQUIPMENT	FAIVELEY				
	ii	SEAT & BERTH	GANDHI				
	lii	BODY SIDE DOORS	JBM				
	lv	WATER TANKS	AMIT & KUTEER				
	v	FLOOR BOARD	TAYAL				
	vi	PVC FLOORING	RESPONSIVE				
	vii	UIC VESTIBULE	KRP				
	viii	VESTIBULE SLIDING DOOR	JBM				
10.							
	10.1	Modification / Trail (if any):				NIL	
	10.2	Deviations if any:				NIL	



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

12.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			4010		SECR		LWSCN1		14203/C		01-05-14	
12.1	Wheel & Axle Details:		PP Side					NPP Side				
	i.	Bogie No.	146358					146359				
	ii.	Frame No.	FIAT-3041					FIAT-3093				
	iii.	Bolster No.	3538-P					3733-P				
	iv.	Axle No.	W-4588		RWF-110633			RWF-109442		RWF-109130		
	v.	Wheel Dia.	918.00	918.00	918.00	918.00	918.00	918.00	918.00	918.00	918.00	
	vi.	Wheel Disc No.	135-51910	114-51915	079-51910	124-51912	098-51910	103-51910	132-48763	155-51912		
	vii.	R.B. Nos.	92192	92184	91551	12466	92205	12535	92209	92214		
	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.	G-12-13-130	G-12-13-203	G-12-13-253	G-12-13-407	G-12-13-264	G-12-13-395	G-12-13-207	G-12-13-222			
ii.	Ht. attest load	513	471	513	471	515	470	513	470			
iii.	Align .deviation	1	15	2	14	2	20	2	18			
12.3	Items traceability:											
	S no.	Item			PP Side Bogie			NPP side Bogie			Make	
	i.	Primary Outer Spring			G-13-11			G-13-11			GF	
	ii.	Primary inner Spring			G-13-11			G-13-11			GF	
	iii.	Primary Damper									GEREP	
	iv.	Secondary damper									GEREP	
	v.	Lateral Damper									SACHS	
	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									EMSON	
	xii.	Traction lever make									SARITA	
	xiii.	Ball joint traction lever									GMT	
	xiv.	Traction centre elastic									SGA	
	xv.	Secondary rubber pad									TESPA K	
	xvi.	Rubber spring									GMT	
	xvii.	Anti roll bar make									SARITA	
	xviii.	Ball joint roll link									SARITA	
	xix.	Fork make									EMSON	
12.4	i.	Modification / Trial (if any):					NIL					
	ii.	Deviations (if any):					NIL					