



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	7014	DISPATCH DATE			05.07.2017	
2.	Railway	NWR	Type	LWACCN	Coach No.	17124	
3.	Booked to	SSE/C&W/BKN					
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	VIBGYOR	92/90		
	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 TECH, JSL				
	iii.	SEATS/ BERTHS	OVPL				
	iv.	BODY SIDE DOOR	JVR				
	v.	VESTIBULE SLIDING DOOR	HANSPAL				
	vi.	SALOON DOOR	--				
	vii.	WATER TANKS	AMIT & SHIVALIK				
	viii.	UIC VESTIBULE	KRP				
	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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RAIL COACH FACTORY, KAPURTHALA

Bogie Pair ID: 176487488

11. Bogie Details:		Shell No.	Railway		Type	Coach No.	Dispatch Date		
		7014	NWR		LWACCN	17124/C	05-JUL-17		
11.1 Wheel & Axle Details:									
i.	Bogie No.	176487				176488			
ii.	Frame No.	FIAT-5648				FIAT-5517			
iii.	Bolster No.	P-6990				P-6997			
iv.	Axle No.	S - 2936		T - 0019		W - 3152		W - 3063	
v.	Items/locations	Earthing end side	Phonic wheel side	Phonic wheel side	Plane side	Earthing end side	Phonic wheel side	Phonic wheel side	Plane side
vi.	Wheel Dia.	917.00	917.00	917.00	917.00	917.00	917.00	917.00	917.00
vii.	Wheel Disc No.	00184-6044	00174-6214	00087-6044	00008-6214	00023-6131	00035-6196	00011-6196	00097-6197
viii.	RB Nos.	02918	00301	01178	03016	02113	01826	01895	02289
ix.	RB Make	TIMKEN		TIMKEN		TIMKEN		TIMKEN	
x.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING							
11.2 Secondary suspension load deflection Values:									
Description		Lateral Damper Side		Non-Lat. Damper Side		Lateral Damper Side		Non-Lat. Damper Side	
		Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner
i.	Make & Nos.	FSK-17-04-106	GBD-16-12-92	FSK-17-04-076	GBD-16-12-095	FSK-17-04-69	GBD-16-12-96	FSK-17-04-076	GBD-16-12-094
ii.	Ht. at lest load	510.00	468.00	511.50	467.00	515.00	468.00	515.00	467.00
iii.	Align. deviation	11.00	10.00	14.00	10.00	14.00	10.00	15.00	11.00
Items traceability:									
11.3		Sno. Item						Make	
i.	Primary Outer Spring	FSK-17-03			FSK-17-03			FSK	
ii.	Primary inner Spring	FSK-15-05			FSK-15-05			FSK	
iii.	Primary Damper	32586, 31893, 32522, 32498			32901, 32891, 32588, 32611			KONI	
iv.	Secondary Damper	045, 070			021, 044			GABRIEL	
v.	Lateral Damper	0316			0033			SV	
vi.	Break cylinder & Caliper	M16056, M16151, L16285, M16166			K16071, K16129, K16070, K16127			FTI	
vii.	Break Disc							KBI	
viii.	Control arm top							KUMAR	
ix.	Control arm bottom							KUMAR	
x.	top rubber pad							SGA	
xi.	Vertical Bump Stop							GMT	
xii.	Ball Joint Control arm							MGN	
xiii.	Lateral Bump stop							GMT	
xiv.	Traction center make							EMSON	
xv.	Traction lever make							SARITA AFW	
xvi.	Ball joint traction lever							MGN	
xvii.	Traction center elastic							SGA	
xviii.	Secondary rubber pad							TECSPAK	
xix.	Rubber spring							GMT	
xx.	Anti roll bar make							EMSON	
xxi.	Ball joint roll link							SARITA	
xxii.	FORK make							RNG	
11.4		i. Modification/Trail (if any):		NIL					
		ii. Deviations (if any):		NIL					

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	7004	DISPATCH DATE				04.07.2017
2.	Railway	NWR	Type	LWACCN	Coach No.	17123	
3.	Booked to		SSE/C&W/BKN				
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)		SANROK		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	91/90	
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				M K PRECISION		
iii.	SEATS/ BERTHS				OVPL		
iv.	BODY SIDE DOOR				JVR, JBM		
v.	VESTIBULE SLIDING DOOR				HANSPAL		
vi.	SALOON DOOR				--		
vii.	WATER TANKS				AMIT & SHIVALIK		
viii.	UIC VESTIBULE				SSIPL		
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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Bogie Pair ID: 176532533

11.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date		
			7004	NWR	LWACCN	17123/C	04-JUL-17		
11.1	Wheel & Axle Details:								
i.	Bogie No.	176532				176533			
ii.	Frame No.	SCI-938				SCI-933			
iii.	Bolster No.	P-7029				P-7054			
iv.	Axle No.	V-1771		V-2002		R-3149		T-0010	
v.	Items/locations	Earthing end side	Phonic wheel side	Phonic wheel side	Plane side	Earthing end side	Phonic wheel side	Phonic wheel side	Plane side
vi.	Wheel Dia.	916.00	916.00	916.00	916.00	916.00	916.00	916.00	916.00
vii.	Wheel Disc No.	00096-6203	00004-6221	00184-6194	00008-6223	00123-6212	00131-6198	00192-6198	00033-7250
viii.	RB Nos.	09383	09343	09305	08394	08988	09193	09117	09299
ix.	RB Make	TIMKEN		TIMKEN		TIMKEN		TIMKEN	
x.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING							
11.2	Secondary suspension load deflection Values:								
Description	Lateral Damper Side		Non-Lat. Damper Side		Lateral Damper Side		Non-Lat. Damper Side		
	Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner	
i.	Make & Nos.	FSK-17-04-108	GBD-17-04-203	FSK-17-04-071	GBD-17-04-180	FSK-17-04-039	GBD-17-04-107	FSK-17-04-042	GBD-17-04-184
ii.	Ht. at lest load	515.00	463.00	514.00	464.00	510.50	467.00	511.50	467.00
iii.	Align. deviation	10.00	6.00	13.00	11.00	10.00	6.00	11.00	6.00
	Items traceability:								
11.3	Sno. Item								Make
i.	Primary Outer Spring		FSK-17-03		FSK-17-03		FSK		
ii.	Primary inner Spring		RSK-16-07		RSK-16-07		RSK		
iii.	Primary Damper		36210, 33456, 33201, 33214		33270, 33195, 33196, 33429		KONI		
iv.	Secondary Damper		023, 055		048, 023		GABRIEL		
v.	Lateral Damper		233		0165		GABRIEL		
vi.	Break cylinder & Caliper		M16268, M16003, N16014, N16014		M16099, M16357, M16099, M16356		FTI		
vii.	Break Disc						FTI KBI		
viii.	Control arm top						KUMAR		
ix.	Control arm bottom						KUMAR		
x.	top rubber pad						GMT		
xi.	Vertical Bump Stop						GMT		
xii.	Ball Joint Control arm						PRAG		
xiii.	Lateral Bump stop						GMT		
xiv.	Traction center make						EMSON		
xv.	Traction lever make						SARITA		
xvi.	Ball joint traction lever						SCA		
xvii.	Traction center elastic						SCA		
xviii.	Secondary rubber pad						DUREL		
xix.	Rubber spring						GMT		
xx.	Anti roll bar make						EMSON		
xxi.	Ball joint roll link						SARITA		
xxii.	FORK make						RNG		
11.4	i. Modification/Trail (if any):		NIL						
	ii. Deviations (if any):		NIL						

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Form No. : QMF 9454; Version: 1

1.	SHELL No.	7007	DISPATCH DATE				21.07.2017
2.	Railway	NWR	Type	LWACCN	Coach No.	17126	
3.	Booked to	SSE/C&W/BKN					
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)	SANROK		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	91/90			
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 TECH, JSL	
iii.	SEATS/ BERTHS					OVPL	
iv.	BODY SIDE DOOR					JVR	
v.	VESTIBULE SLIDING DOOR					HP	
vi.	SALOON DOOR					--	
vii.	WATER TANKS					AMIT & SHIVALIK	
viii.	UIC VESTIBULE					SSIPL	
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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11.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date			
			7007	NWR	LWACCN	17126	27-09-2016			
11.1	Wheel & Axle Details:		PP Side				NPP Side			
	i.	Bogie No.	166828				166829			
	ii.	Frame No.	FIAT-5172				FIAT-5140			
	iii.	Bolster No.	6162-GT				6094-P			
	iv.	Axle No.	N-5947		N-5690		K-3818		N-6460	
	v.	Wheel Dia.	917.00	917.00	917.00	917.00	917.00	917.00	917.00	917.00
	vi.	Wheel Disc No.	06723-6QH6	00485-6MG8	04713-6QG3	03130-6QL7	04297-6QJ7	08411-6QH4	06025-6QK8	06024-6QK8
	vii.	R.B. Nos.	02573	01414	01681	01608	01364	02556	01579	02136
	viii.	R.B. Make	TIMKEN		TIMKEN		TIMKEN		TIMKEN	
	ix.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING							
11.2	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-16-1-1074	GBD-16-06-46	G-16-1-1014	GBD-16-06-49	G-16-1-1078	GBD-16-06-75	G-16-1-1019	GBD-16-06-48	
ii.	Ht. at test load	512	468	511	465	512	467	514	468	
iii.	Align .deviation	19	7	17	6	17	7	17	9	
11.3	Items traceability:									
	Sno.	Item			PP Side Bogie		NPP side Bogie		Make	
	i.	Primary Outer Spring			RSK-15-10		RSK-15-10		RSK	
	ii.	Primary inner Spring			L&S-15-11		L&S-15-11		L&S	
	iii.	Primary Damper			2951,3068,3300,3145		2941,2955,2930,3323		KNORR	
	iv.	Secondary damper			0413,045		8810,0402		SV	
	v.	Lateral Damper			0301		L-0256		SV	
	vi.	Yaw Damper							NIL	
	vii.	Brake cylinder & Caliper							-----	
	viii.	Brake Disc							FTI	
	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							SGA	
	xiv.	Traction centre elastic							GMT	
	xv.	Secondary rubber pad							TECSPAK	
	xvi.	Rubber spring							GMT	
	xvii.	Anti roll bar make							SARITA	
	xviii.	Ball joint roll link							SARITA	
	xix.	Fork make							SARITA	
11.4	i.	Modification / Trial (if any):				NIL				
	ii.	Deviations (if any):				NIL				

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Form No. : QMF 9454; Version: 1

1.	SHELL No.	6118	DISPATCH DATE				21.07.2017
2.	Railway	NWR	Type	LWACCN	Coach No.	17127	
3.	Booked to	SSE/C&W/BKN					
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	90/91		
	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	M K PRECISION				
	iii.	SEATS/ BERTHS	OVPL				
	iv.	BODY SIDE DOOR	JVR				
	v.	VESTIBULE SLIDING DOOR	HP				
	vi.	SALOON DOOR	--				
	vii.	WATER TANKS	AMIT & SHIVALIK				
	viii.	UIC VESTIBULE	ESCORTS				
	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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11.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			6118		NWR		LWACCN		17127		21-09-2016	
11.1	Wheel & Axle Details:		PP Side					NPP Side				
	i.	Bogie No.	166757					166759				
	ii.	Frame No.	FIAT-5071					FIAT-4823				
	iii.	Bolster No.	6095-P					6104-P				
	iv.	Axle No.	N-5651		N-6789		N-0626		N-6585			
	v.	Wheel Dia.	917.00	917.00	917.00	917.00	917.00	917.00	916.00	916.00		
	vi.	Wheel Disc No.	04331-6QJ7	00763-6QJ8	07224-6QJ6	06542-6QM1	00764-6QJ9	00760-6QJ9	07133-6QJ5	03216-6QG7		
	vii.	R.B. Nos.	02533	01881	02349	01773	03866	03882	02048	03744		
	viii.	R.B. Make	TIMKEN		TIMKEN		TIMKEN		TIMKEN			
	ix.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING									
11.2	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.	RSK-16-5-145	GBD-16-6-150	RSK-16-5-110	GBD-16-6-149	RSK-16-5-140	GBD-16-6-145	RSK-16-5-336	GBD-16-6-NIL			
ii.	Ht. at test load	511	468	512	468	513	468	512	468			
iii.	Align .deviation	15	7	17	9	5	6	5	6			
11.3	Items traceability:											
	Sno.	Item			PP Side Bogie			NPP side Bogie			Make	
	i.	Primary Outer Spring			RSK-15-10			RSK-15-10			RSK	
	ii.	Primary inner Spring			L&S-15-11			L&S-15-11			L&S	
	iii.	Primary Damper			3354,3353,3374,2958			3175,3352,3148,3241			KNORR	
	iv.	Secondary damper			0342,0385			0354,0134			SV	
	v.	Lateral Damper			0462			0121			SV	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper									-----	
	viii.	Brake Disc									FTI	
	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									SGA	
	xiv.	Traction centre elastic									GMT	
	xv.	Secondary rubber pad									TECSPAK	
	xvi.	Rubber spring									GMT	
	xvii.	Anti roll bar make									SARITA	
	xviii.	Ball joint roll link									SARITA	
	xix.	Fork make									SARITA	
11.4	i.	Modification / Trial (if any):			NIL							
	ii.	Deviations (if any):			NIL							

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	7012	DISPATCH DATE			21.07.2017	
2.	Railway	NWR	Type	LWACCN	Coach No.	17129	
3.	Booked to	SSE/C&W/BKN					
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	ESCORTS				
	ii.	CDTS/ BIO TOILET	RAIL TECH, JSL				
	iii.	SEATS/ BERTHS	OVPL				
	iv.	BODY SIDE DOOR	JVR				
	v.	VESTIBULE SLIDING DOOR	HP				
	vi.	SALOON DOOR	--				
	vii.	WATER TANKS	AMIT & SHIVALIK				
	viii.	UIC VESTIBULE	ESCORTS				
	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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RAIL COACH FACTORY, KAPURTHALA

Bogie Pair ID: 176523524

11. Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date			
		7012	NWR	LWACCN	17129/C	21-JUL-17			
11.1 Wheel & Axle Details:									
i.	Bogie No.	176523			176524				
ii.	Frame No.	FIAT-5718			SCI-925				
iii.	Bolster No.	P-7024			P-7037				
iv.	Axle No.	W-2122		W-2877	W-3008		W-7882		
v.	Items/locations	Earthing end side	Phonic wheel side	Phonic wheel side	Plane side	Earthing end side	Phonic wheel side	Phonic wheel side	Plane side
vi.	Wheel Dia.	916.00	916.00	916.00	916.00	916.00	916.00	916.50	916.50
vii.	Wheel Disc No.	00098-6220	00156-6212	00139-6223	03083-6220	00052-6188	00048-6176	00156-7250	00128-6212
viii.	RB Nos.	03204	02852	00617	03083	03139	02814	01997	02067
ix.	RB Make	TIMKEN		TIMKEN	TIMKEN		TIMKEN		
x.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING							
11.2 Secondary suspension load deflection Values:									
Description		Lateral Damper Side		Non-Lat. Damper Side		Lateral Damper Side		Non-Lat. Damper Side	
		Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner
i.	Make & Nos.	FSK-17-04-21	GBD-17-04-168	FSK-17-04-4	GBD-17-04-195	FSK-17-04-84	GBD-17-04-175	FSK-17-04-10	GBD-17-04-153
ii.	Ht. at lest load	512.00	466.00	512.00	468.00	514.50	467.00	514.50	467.00
iii.	Align. deviation	14.00	12.00	12.00	10.00	12.00	11.00	11.00	10.00
Items traceability:									
11.3		Sno.	Item				Make		
i.	Primary Outer Spring	FSK-17-03			FSK-17-03		FSK		
ii.	Primary inner Spring	RSK-16-01			RSK-16-06		RSK		
iii.	Primary Damper	33298, 33247, 33283, 33288		33232, 33279, 33235, 33229			KONI		
iv.	Secondary Damper	12, 10			15, 14		GABRIEL		
v.	Lateral Damper	190			105		GABRIEL		
vi.	Break cylinder & Caliper	34253, 34257, 34252, 34271			34105, 33990, 34107, 33989		ESCORTS		
vii.	Break Disc						KBI		
viii.	Control arm top						KUMAR		
ix.	Control arm bottom						KUMAR		
x.	top rubber pad						GMT		
xi.	Vertical Bump Stop						GMT		
xii.	Ball Joint Control arm						PRAG		
xiii.	Lateral Bump stop						GMT		
xiv.	Traction center make						EMSON		
xv.	Traction lever make						EMSON SARITA		
xvi.	Ball joint traction lever						SGA		
xvii.	Traction center elastic						SGA		
xviii.	Secondary rubber pad						TECSPAK		
xix.	Rubber spring						GMT		
xx.	Anti roll bar make						EMSON		
xxi.	Ball joint roll link						SARITA		
xxii.	FORK make						RNG		
11.4		i. Modification/Trail (if any):		NIL					
		ii. Deviations (if any):		NIL					

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	7018	DISPATCH DATE				26.07.2017
2.	Railway	NWR	Type	LWACCN	Coach No.	17130	
3.	Booked to	SSE/C&W/BKN					
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)	SANROK		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					FAIVELEY	
ii.	CDTS/ BIO TOILET					RAIL TECH, RAIL FAB	
iii.	SEATS/ BERTHS					OVPL	
iv.	BODY SIDE DOOR					JVR	
v.	VESTIBULE SLIDING DOOR					HANSPAL	
vi.	SALOON DOOR					--	
vii.	WATER TANKS					RAIL TECH & SHIVALIK	
viii.	UIC VESTIBULE					ESCORTS	
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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RAIL COACH FACTORY, KAPURTHALA

Bogie Pair ID: 176485486

11.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date				
				LWACCN						
11.1	Wheel & Axle Details:									
i.	Bogie No.	176485			176486					
ii.	Frame No.	FIAT-5706			FIAT-5734					
iii.	Bolster No.	GT-6974			GT-6911					
iv.	Axle No.	N-1079		V-1549	T-0026	W-3665				
v.	Items/locations	Earthing end side	Phonic wheel side	Phonic wheel side	Plane side	Earthing end side	Phonic wheel side	Phonic wheel side	Plane side	
vi.	Wheel Dia.	917.00	917.00	917.00	917.00	917.00	917.00	917.00	917.00	
vii.	Wheel Disc No.	00110-7248	00097-7248	00145-6212	00088-6139	00060-6044	00136-6044	00069-6188	00040-6044	
viii.	RB Nos.	02957	03266	00910	03176	03151	00306	00113	03200	
ix.	RB Make	TIMKEN		TIMKEN	TIMKEN	TIMKEN				
x.	RB Type	JIC CARTRIDGE TAPER ROLLER BEARING								
11.2	Secondary suspension load deflection Values:									
Description		Lateral Damper Side		Non-Lat. Damper Side		Lateral Damper Side		Non-Lat. Damper Side		
		Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner	
i.	Make & Nos.	FSK-17-4-75	GBD-16-12-101	FSK-17-4-56	GBD-16-12-22	FSK-17-4-62	GBD-16-12-23	FSK-17-4-95	GBD-16-12-160	
ii.	Ht. at rest load	514.00	468.00	515.00	468.00	510.50	465.00	510.50	465.00	
iii.	Align. deviation	15.00	12.00	15.00	12.00	12.00	12.00	9.00	9.00	
	Items traceability:									
11.3	Sno.	Item					Make			
	i.	Primary Outer Spring	FSK-17-03				FSK-17-03			
	ii.	Primary inner Spring	FSK-16-07				FSK-16-7			
	iii.	Primary Damper	32504, 32476, 32886, 32502				32589, 32532, 32549, 32533			
	iv.	Secondary Damper	068, 064				047, 020			
	v.	Lateral Damper	0238				0031			
	vi.	Break cylinder & Caliper	H16280, F16018, H16277, K16017				K16164, K16203, K16165, K16229			
	vii.	Break Disc								
	viii.	Control arm top					KUMAR			
	ix.	Control arm bottom					KUMAR			
	x.	Top rubber Pad					SCA			
	xi.	Vertical Bump Stop					GMT			
	xii.	Ball Joint Control arm					MGN			
	xiii.	Lateral Bump stop					MGN			
	xiv.	Traction center make					EMSON			
	xv.	Traction lever make					SARITA			
	xvi.	Ball joint traction lever					MGN			
	xvii.	Traction center elastic					MGN SGA			
	xviii.	Secondary rubber pad					TECSPAK			
	xix.	Rubber spring					GMT			
	xx.	Anti roll bar make					EMSON			
	xxi.	Ball joint roll link					SARITA			
	xxii.	Fork make					SARITA			
11.4	i.	Modification/Trail (if any):	NIL							
	ii.	Deviations (if any):	NIL							

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	7013	DISPATCH DATE				26.07.2017
2.	Railway	NWR	Type	LWACCN	Coach No.	17128	
3.	Booked to	SSE/C&W/BKN					
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)	SANROK		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	89/98			
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					MK	
iii.	SEATS/ BERTHS					OVPL	
iv.	BODY SIDE DOOR					JVR	
v.	VESTIBULE SLIDING DOOR					HANSPAL	
vi.	SALOON DOOR					--	
vii.	WATER TANKS					AMIT,RAIL TECH & SHIVALIK	
viii.	UIC VESTIBULE					SSIPL	
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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RAIL COACH FACTORY, KAPURTHALA

Bogie Pair ID: 176511513

11. Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date			
		7013	NWR	LWACCN	17128/C	14-JUL-17			
11.1 Wheel & Axle Details:									
i.	Bogie No.	176511			176513				
ii.	Frame No.	FIAT-5733			ECBT-108				
iii.	Bolster No.	GI-6970			F-7018				
iv.	Axle No.	V-2410		W-7836	V-1421	S-9661			
v.	Items/locations	Earthing end side	Phonic wheel side	Phonic wheel side	Plane side	Earthing end side	Phonic wheel side	Phonic wheel side	Plane side
vi.	Wheel Dia.	916.00	916.00	916.00	916.00	917.00	917.00	917.00	917.00
vii.	Wheel Disc No.	00171-6225	00016-6134	00130-6198	00192-6107	00132-6204	00188-6204	00075-6196	00012-6196
viii.	RB Nos.	03772	01832	01978	31716	03090	02812	02963	01158
ix.	RB Make	TIMKEN		TIMKEN	TIMKEN		TIMKEN		
x.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING							
11.2 Secondary suspension load deflection Values:									
Description		Lateral Damper Side		Non-Lat. Damper Side		Lateral Damper Side		Non-Lat. Damper Side	
		Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner
i.	Make & Nos.	FSK-17-4-04	GBD-17-4-189	FSK-17-4-45	GBD-17-4-198	FSK-17-4-9	GBD-17-4-182	FSK-17-4-82	GBD-17-4-204
ii.	Ht. at lest load	515.00	464.00	514.50	464.00	511.00	463.00	511.50	463.00
iii.	Align. deviation	13.00	10.00	10.00	6.00	13.00	12.00	9.00	6.00
Items traceability:									
11.3		Sno.	Item			Make			
i.	Primary Outer Spring	FSK-17-03		FSK-17-03		FSK			
ii.	Primary inner Spring	GBD-16-08		GBD-16-08		GBD			
iii.	Primary Damper	32609, 32512, 32624, 36555		32473, 32569, 32552, 32547		KONI			
iv.	Secondary Damper	016, 018		042, 011		GABRIEL			
v.	Lateral Damper	168		608		GABRIEL			
vi.	Break cylinder & Caliper	K16160, K16031, K16161, K16032		F16279, K16268, H16058, K16278		FTI			
vii.	Break Disc					KBI			
viii.	Control arm top					KUMAR			
ix.	Control arm bottom					KUMAR			
x.	top rubber pad					SCA			
xi.	Vertical Bump Stop					GMT			
xii.	Ball Joint Control arm					FRAG			
xiii.	Lateral Bump stop					GMT			
xiv.	Traction center make					EMSON			
xv.	Traction lever make					SARITA			
xvi.	Ball joint traction lever					MCN			
xvii.	Traction center elastic					GMT			
xviii.	Secondary rubber pad					TECSYAK			
xix.	Rubber spring					GMT			
xx.	Anti roll bar make					EMSON			
xxi.	Ball joint roll link					SARITA			
xxii.	FORK make					RNG			
11.4		a. Modification/Trail (if any):		NIL					
		b. Deviations (if any):		NIL					

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	7016	DISPATCH DATE				25.07.2017
2.	Railway	NWR	Type	LWACCN	Coach No.	17125	
3.	Booked to	SSE/C&W/BKN					
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	1097	1105		
	v)	Buffer/CBC (Make)	SANROK	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	RAIL TECH&RAIL FAB				
	iii.	SEATS/ BERTHS	OVPL				
	iv.	BODY SIDE DOOR	JBM				
	v.	VESTIBULE SLIDING DOOR	KALSI				
	vi.	SALOON DOOR	--				
	vii.	WATER TANKS	AMIT,RAIL TECH & SHIVALIK				
	viii.	UIC VESTIBULE	ESCORT				
	ix	FLOOR BOARD	TWPL				
	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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RAIL COACH FACTORY, KAPURTHALA

Bogie Pair ID: 176597598

11.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date		
			7016	NWR	LWACCN	17125/C	25-JUL-17		
11.1	Wheel & Axle Details:								
i.	Bogie No.	176597			176598				
ii.	Frame No.	FIAT-5771			FIAT-5728				
iii.	Bolster No.	GI-7088			F-7118				
iv.	Axle No.	S - 9444		R - 3253	R - 2425		R - 2364		
v.	Items/locations	Earthing end side	Phonic wheel side	Phonic wheel side	Plane side	Earthing end side	Phonic wheel side	Phonic wheel side	Plane side
vi.	Wheel Dia.	917.00	917.00	917.00	917.00	916.00	916.00	916.00	916.00
vii.	Wheel Disc No.	03141-6QL7	00013-6QH5	00017-6185	00168-7250	00015-6203	00110-7259	04860-6QL0	00943-6QJ8
viii.	RB Nos.	04758	04576	08407	04397	08359	09417	09182	09448
ix.	RB Make	TIMKEN		TIMKEN	TIMKEN		TIMKEN		
x.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING							
11.2	Secondary suspension load deflection Values:								
Description		Lateral Damper Side		Non-Lat. Damper Side		Lateral Damper Side		Non-Lat. Damper Side	
		Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner
i.	Make & Nos.	GBD-17-5-125	GBD-17-4-102	GBD-17-5-134	GBD-17-4-111	GBD-17-5-69	GBD-17-4-98	GBD-17-5-77	GBD-17-4-106
ii.	Ht. at lest load	512.00	467.00	512.00	468.00	514.00	468.00	513.50	466.00
iii.	Align. deviation	12.00	11.00	8.00	6.00	9.00	12.00	8.00	12.00
	Items traceability:								
11.3	Sno. Item						Make		
i.	Primary Outer Spring		FSK-17-03		FSK-17-03		FSK		
ii.	Primary inner Spring		RSK-16-12		RSK-16-12		RSK		
iii.	Primary Damper		32818, 35607, 35563, 32804		35916, 35555, 35606, 35920		KONI		
iv.	Secondary Damper		0862, 0844		0859, 0861		KNORR		
v.	Lateral Damper		174		162		GABRIEL		
vi.	Break cylinder & Caliper		B17015, B17079, B17165, B17077		17047, B17199, 17090, 17200		FTI		
vii.	Break Disc						KBI		
viii.	Control arm top						KUMAR		
ix.	Control arm bottom						KUMAR		
x.	top rubber pad						GMT		
xi.	Vertical Bump Stop						GMT		
xii.	Ball Joint Control arm						GMT		
xiii.	Lateral Bump stop						GMT		
xiv.	Traction center make						EMSON		
xv.	Traction lever make						SARITA		
xvi.	Ball joint traction lever						SCA		MCN
xvii.	Traction center elastic						GMT		
xviii.	Secondary rubber pad						DUREL		
xix.	Rubber spring						GMT		
xx.	Anti roll bar make						EMSON		
xxi.	Ball joint roll link						SARITA		
xxii.	FORK make						EMSON		
11.4	i. Modification/Trail (if any):		NIL						
	ii. Deviations (if any):		NIL						

LWACCN-7016



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	7003	DISPATCH DATE				22.07.2017
2.	Railway	NWR	Type	LWACCN	Coach No.	17131	
3.	Booked to	SSE/C&W/BKN					
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)	SANROK		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	90/91		
	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	RT, RF				
	iii.	SEATS/ BERTHS	OVPL				
	iv.	BODY SIDE DOOR	JVR				
	v.	VESTIBULE SLIDING DOOR	HANSPAL				
	vi.	SALOON DOOR	--				
	vii.	WATER TANKS	AMIT,				
	viii.	UIC VESTIBULE	SSIPL				
	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		



रेल डिब्बा कारखाना
RAIL COACH FACTORY, KAPURTHALA

Bogie Pair ID: 176491492

11. Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date			
		7003	NWR	LWACCN	17131/C	24-JUL-17			
11.1 Wheel & Axle Details:									
i.	Bogie No.	176491			176492				
ii.	Frame No.	FIAT-5560			FIAT-5651				
iii.	Bolster No.	P-7009			P-6920				
iv.	Axle No.	R-3645		N-6106	V-1621	R-3466			
v.	Items/locations	Earthing end side	Phonic wheel side	Phonic wheel side	Plane side	Earthing end side			
						Phonic wheel side			
						Plane side			
vi.	Wheel Dia.	917.00	917.00	917.00	917.00	916.00			
vii.	Wheel Disc No.	00057-6188	00148-6199	00121-6194	00078-6194	00001-6218			
						00173-6221			
						00145-6194			
						00002-6194			
viii.	RB Nos.	01838	02216	03068	01965	03244			
						01073			
						02946			
						02888			
ix.	RB Make	TIMKEN		TIMKEN	TIMKEN	TIMKEN			
x.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING							
11.2 Secondary suspension load deflection Values:									
Description		Lateral Damper Side		Non-Lat. Damper Side		Lateral Damper Side		Non-Lat. Damper Side	
		Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner
i.	Make & Nos.	FSK-17-04-02	GBD-16-12-046	FSK-17-04-064	GBD-16-12-108	FSK-17-04-027	GBD-16-12-098	FSK-17-04-034	GBD-16-12-115
ii.	Ht. at lest load	511.50	465.00	511.00	468.00	513.50	466.00	514.00	467.00
iii.	Align. deviation	8.00	6.00	9.00	7.00	10.00	10.00	11.00	10.00
Items traceability:									
11.3		Sno. Item				Make			
i.	Primary Outer Spring	FSK-17-03			FSK-17-03		FSK		
ii.	Primary inner Spring	FSK-16-07			FSK-16-07		FSK		
iii.	Primary Damper	32585, 32584, 32503, 32417			32568, 32493, 32073, 31906		KONI		
iv.	Secondary Damper	026, 069			031, 027		GABRIEL		
v.	Lateral Damper	003			0042		SV		
vi.	Break cylinder & Caliper	M16283, M16285, M16286, M16288			K16159, K16033, K16156, K16030		FTI		
vii.	Break Disc						FTI		
viii.	Control arm top						KUMAR		
ix.	Control arm bottom						KUMAR		
x.	top rubber pad						SGA		
xi.	Vertical Bump Stop						GMT		
xii.	Ball Joint Control arm						MGN		
xiii.	Lateral Bump stop						GMT		
xiv.	Traction center make						EMSON		
xv.	Traction lever make						APW SARITA		
xvi.	Ball joint traction lever						MGN		
xvii.	Traction center elastic						SGA		
xviii.	Secondary rubber pad						TECSPAK		
xix.	Rubber spring						GMT		
xx.	Anti roll bar make						EMSON SARITA		
xxi.	Ball joint roll link						SARITA		
xxii.	FORK make						RNG		
11.4		i. Modification/Trail (if any):				NIL			
		ii. Deviations (if any):				NIL			

LWACCN-7003