



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	7034	DISPATCH DATE				01/09/17
2.	Railway	NR	Type	LWSCN1	Coach No.	173265	
3.	Booked to	SSE/C&W/NDLS					
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	1094	1100		
	v)	Buffer/CBC (Make)	SANROK	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	88/87		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:			Make			
	i	BRAKE EQUIPMENT		FAIVELEY			
	ii	SEAT & BERTH		OVPL			
	iii	BODY SIDE DOORS		SUKATA			
	iv	WATER TANKS		RAIL TECH,AMIT & SHIVALIK			
	v	FLOOR BOARD		TWPL			
	vi	PVC FLOORING		RESPONSIVE			
	vii	UIC VESTIBULE		SSIPL			
	viii	VESTIBULE SLIDING DOOR		KALSI			
	ix	BIOTOILET		RAIL TECH+RAIL FAB			
10.							
	10.1	Modification / Trail (if any):			NIL		
	10.2	Deviations if any:			NIL		



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RAIL COACH FACTORY, KAPURTHALA

Bogie Pair ID: 176481482

11.	Bogie Details:	Shell No.	Railway		Type	Coach No.	Dispatch Date			
					LWSCN					
11.1 Wheel & Axle Details:										
i.	Bogie No.	176481				176482				
ii.	Frame No.	FIAT-5575				FIAT-5716				
iii.	Bolster No.	F-6980				F-6899				
iv.	Axle No.	W-2978		T-0058		W-3585		V-1565		
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	916.00	916.00	917.00	917.00	916.00	916.00	
vii.	Wheel Disc No.	00100-6132	00101-6132	00059-6220	00109-7253	00110-7260	00034-6196	00085-6139	00148-6212	
viii.	RB Nos.	03080	01210	03036	02121	03179	03045	03203	03133	
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.	GBD-17-3-92	GBD-17-3-101	GBD-17-3-23	GBD-17-3-361	GBD-17-3-91	GBD-17-3-66	GBD-17-3-40	GBD-17-3-277	
ii.	Ht. at rest load	516.00	471.00	515.00	470.00	515.00	470.00	513.00	472.00	
iii.	Align. deviation	7.00	6.00	6.00	5.00	9.00	9.00	7.00	6.00	
Items traceability:										
11.3	Sno.	Item					Make			
	i.	Primary Outer Spring	FSK-17-3		FSK-17-3		FSK			
	ii.	Primary inner Spring	GBD-16-6		GBD-16-6		GBD			
	iii.	Primary Damper	32111, 31903, 32447, 32439		32507, 32438, 32664, 32505		KONI			
	iv.	Secondary Damper	549, 546		490, 494		GEREP			
	v.	Lateral Damper	0370		0380		SV			
	vi.	Break cylinder & Caliper	K16121, K16023, H16286, K16029		C17031, A17246, C17032, A17249		FTI			
	vii.	Break Disc					FTI		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					MGN			
	xiii.	Lateral Bump stop					MGN			
	xiv.	Traction center make					EMSON			
	xv.	Traction lever make					SARITA			
	xvi.	Ball joint traction lever					MGN		SCA	
	xvii.	Traction center elastic					GMT			
	xviii.	Secondary rubber pad					TECSPAK			
	xix.	Rubber spring					GMT			
	xx.	Anti roll bar make					SARITA		EMSON	
	xxi.	Ball joint roll link					SARITA			
	xxii.	Fork make					SARITA			
11.4	i.	Modification/Trail (if any):	NIL							
	ii.	Deviations (if any):	NIL							

LWSCN-7034



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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	7032	DISPATCH DATE				30/08/17
2.	Railway	NR	Type	LWSCN1	Coach No.	173262	
3.	Booked to	SSE/C&W/NDLS					
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	1095	1100		
	v)	Buffer/CBC (Make)	SANROK	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	88/87		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:		Make				
	i	BRAKE EQUIPMENT	FAIVELEY				
	ii	SEAT & BERTH	OVPL				
	iii	BODY SIDE DOORS	SUKATA				
	iv	WATER TANKS	RAIL TECH,AMIT & SHIVALIK				
	v	FLOOR BOARD	TWPL				
	vi	PVC FLOORING	RESPONSIVE				
	vii	UIC VESTIBULE	SSIPL				
	viii	VESTIBULE SLIDING DOOR	KALSI				
	ix	BIOTOILET	RAIL TECH+RAIL FAB				
10.							
	10.1	Modification / Trail (if any):				NIL	
	10.2	Deviations if any:				NIL	

176472



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RAIL COACH FACTORY, KAPURTHALA

Bogie Pair ID: 176472473

11. Bogie Details:		Shell No.	Railway		Type	Coach No.	Dispatch Date		
					LWSCN				
11.1 Wheel & Axle Details:									
i.	Bogie No.	176472				176473			
ii.	Frame No.	FIAT-5487				FIAT-5661			
iii.	Bolster No.	P-7004				P-6996			
iv.	Axle No.	V-2462		S-9907		S-9331		N-3432	
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	916.50	917.00	917.00
vii.	Wheel Disc No.	00055-6219	00095-6219	00011-6109	00184-6132	00050-6018	00189-6070	00086-6196	00084-6139
viii.	RB Nos.	00574	01716	03264	01824	03091	03159	03020	01829
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-17-3-102	GBD-17-3-253	GBD-17-3-104	GBD-17-3-338	GBD-17-3-13	GBD-17-3-294	GBD-17-3-106	GBD-17-3-251
ii.	Ht. at lest load	515.00	472.00	516.00	472.00	515.00	472.00	514.00	472.00
iii.	Align. deviation	7.00	6.00	6.00	6.00	9.00	11.00	8.00	9.00
Items traceability:									
11.3		Sno.	Item					Make	
i.	Primary Outer Spring	FSK-17-3		FSK-17-3		FSK			
ii.	Primary inner Spring	GBD-16-12		GBD-16-12		GBD			
iii.	Primary Damper	37173, 37242, 37178, 37127		37185, 37224, 37181, 36195		KONI			
iv.	Secondary Damper	518, 573		511, 543		GEREP			
v.	Lateral Damper	8000		0396		SV			
vi.	Break cylinder & Caliper	K16072, K16125, K16073, K16124		K16085, K16295, L16086, K16294		FTI			
vii.	Break Disc					FTI		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					MGN			
xiii.	Lateral Bump stop					MGN			
xiv.	Traction center make					EMSON			
xv.	Traction lever make					APW			
xvi.	Ball joint traction lever					MGN			
xvii.	Traction center elastic					GMT			
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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Form No. : QMF 9454; Version: 1

1.	SHELL No.	7028	DISPATCH DATE				05.08.17
2.	Railway	NR	Type	LWSCN1	Coach No.	173256	
3.	Booked to		SSE/C&W/NDLS				
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)	SANROK	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	87/88		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:		Make				
	i	BRAKE EQUIPMENT	FAIVELEY				
	ii	SEAT & BERTH	OVPL				
	iii	BODY SIDE DOORS	JBM				
	iv	WATER TANKS	RAIL TECH, & AMIT, SHIVALIK				
	v	FLOOR BOARD	TWPL				
	vi	PVC FLOORING	RESPONSIVE				
	vii	UIC VESTIBULE	ESCORT				
	viii	VESTIBULE SLIDING DOOR	KALSI				
	ix	BIOTOILET	RAIL FAB				
10.							
	10.1	Modification / Trail (if any):			NIL		
	10.2	Deviations if any:			NIL		



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RAIL COACH FACTORY, KAPURTHALA

Bogie Pair ID: 176556557

11.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date		
			7028	NR	LWSCN	173256/C	05-AUG-17		
11.1	Wheel & Axle Details:								
i.	Bogie No.	176556				176557			
ii.	Frame No.	FIAT-5690				SCI-948			
iii.	Bolster No.	F-182				GT-7059			
iv.	Axle No.	W-2938		S-2386		N-0288 V-2092			
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	916.50	916.50	917.00
vii.	Wheel Disc No.	03105-6QH9	06020-6QK8	05923-6QK8	06625-6QH8	04722-6QG0	06690-6QH6	06776-6QH6	08365-6QG9
viii.	RB Nos.	03062	01914	08361	02902	03187	01643	08882	02868
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-17-04-013	FSK-17-04-092	FSK-17-04-029	FSK-17-04-062	FSK-17-04-07	FSK-17-04-072	FSK-17-04-075	FSK-17-04-059
ii.	Ht. at lest load	516.00	472.00	516.00	472.00	515.00	470.00	515.50	472.00
iii.	Align. deviation	8.00	6.00	11.00	7.00	11.00	9.00	12.00	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-17-03		FSK-17-03		FSK		
iii.	Primary Damper		36011, 35605, 35406, 36599		35411, 36234, 36179, 36405		KONI		
iv.	Secondary Damper		0348, 030		333, 228		GEREP		
v.	Lateral Damper		0301		0253		SV		
vi.	Break cylinder & Caliper		G16038,G16241, G16036,G16217		M16437,M16428, N16002,N16049		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						MGN		
xiii.	Lateral Bump stop						MGN GMT		
xiv.	Traction center make						EMSON		
xv.	Traction lever make						APW		
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						

LWSCN-7028



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Form No. : QMF 9454; Version: 1

1.	SHELL No.	7036	DISPATCH DATE				24.08.17
2.	Railway	NR	Type	LWSCN1	Coach No.	173258	
3.	Booked to	SSE/C&W/NDLS					
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	1105		
	v)	Buffer/CBC (Make)	SANROK	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	87/88		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:				Make		
	i	BRAKE EQUIPMENT		KBI			
	ii	SEAT & BERTH		OVPL			
	iii	BODY SIDE DOORS		SUKATA			
	iv	WATER TANKS		(AUX)RAIL TECH, & (U/S)RAIL TECH SHIVALIK			
	v	FLOOR BOARD		TWPL			
	vi	PVC FLOORING		RESPONSIVE			
	vii	UIC VESTIBULE		ESCORT/SSIPL			
	viii	VESTIBULE SLIDING DOOR		KALSI			
	ix	BIOTOILET		RAIL TECH+RAIL FAB			
10.							
	10.1	Modification / Trail (if any):			NIL		
	10.2	Deviations if any:			NIL		



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RAIL COACH FACTORY, KAPURTHALA

Bogie Pair ID: 176760761

11.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date		
					LWSCN				
11.1 Wheel & Axle Details:									
i.	Bogie No.	176760				176761			
ii.	Frame No.	FIAT-5875				ECBT-210			
iii.	Bolster No.	VT-7307				VT-7260			
iv.	Axle No.	Z-4090		Y-8026		R-3428		R-3356	
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	915.00	915.50	916.00	916.00	916.50	916.00
vii.	Wheel Disc No.	05453-7QG7	10749-7QJ4	02771-7MN3	06098-7QG8	00077-6067	00042-6110	00184-7257	00146-6071
viii.	RB Nos.	01129	03909	04350	04653	0474	03972	03803	04005
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.	GBD-17-4-127	FSK-17-4-122	GBD-17-3-113	FSK-17-4-120	GBD-17-4-120	FSK-17-4-47	GBD-17-4-114	FSK-17-4-88
ii.	Ht. at rest load	515.00	471.00	516.00	470.00	516.00	470.50	515.00	468.00
iii.	Align. deviation	6.00	8.00	6.00	9.00	9.00	8.00	7.00	7.00
Items traceability:									
11.3		Sno.	Item					Make	
		i.	Primary Outer Spring	FSK-17-05		FSK-17-03		FSK	
		ii.	Primary inner Spring	FSK-17-01		FSK-17-01		FSK	
		iii.	Primary Damper	343, 490, 505, 344		509, 332, 348, 492		GABRIEL	
		iv.	Secondary Damper	185, 542		588, 259		GEREP	
		v.	Lateral Damper	112		093		GABRIEL	
		vi.	Break cylinder & Caliper	6741,6535, 6740,6532		6317,6205, 6319,6206		KEI	
		vii.	Break Disc					FTI	
		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					GMT	
		xiii.	Lateral Bump stop					GMT	
		xiv.	Traction center make					SARITA	
		xv.	Traction lever make					SARITA	
		xvi.	Ball joint traction lever					PRAG BONY	
		xvii.	Traction center elastic					GMT	
		xviii.	Secondary rubber pad					PRAG	
		xix.	Rubber spring					GMT	
		xx.	Anti roll bar make					SARITA EMSON	
		xxi.	Ball joint roll link					SARITA	
		xxii.	Fork make					SARITA	
11.4		i.	Modification/Trail(if any):	NIL					
		ii.	Deviations (if any):	NIL					

LWSCN-7036



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	7037	DISPATCH DATE				30.08.17
2.	Railway	NR	Type	LWSCN1	Coach No.	173264	
3.	Booked to	SSE/C&W/NDLS					
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)	SANROK	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		FAVELLY			
	ii	SEAT & BERTH		OVPL			
	iii	BODY SIDE DOORS		SUKATA			
	iv	WATER TANKS		(AUX)RAIL TECH, & (U/S)RAIL TECH ,SHIVALIK			
	v	FLOOR BOARD		TWPL			
	vi	PVC FLOORING		RESPONSIVE			
	vii	UIC VESTIBULE		SSIPL			
	viii	VESTIBULE SLIDING DOOR		KALSI			
	ix	BIOTOILET		RAIL TECH+RAIL FAB			
10.							
	10.1	Modification / Trail (if any):				NIL	
	10.2	Deviations if any:				NIL	



रेल डिब्बा कारखाना
RAIL COACH FACTORY, KAPURTHALA

Bogie Pair ID: 176502503

11. Bogie Details:		Shell No.	Railway		Type	Coach No.	Dispatch Date		
					LWSCN				
11.1 Wheel & Axle Details:									
i.	Bogie No.	176502				176503			
ii.	Frame No.	FIAT-5647				FIAT-5525			
iii.	Bolster No.	P-7014				P-6932			
iv.	Axle No.	W-2553		R-3379		S-3865		W-3007	
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.	00089-6202	00116-6110	00107-6068	00099-6068	00157-6188	00084-6214	00037-6068	00151-6225
viii.	RB Nos.	03245	01157	03012	02961	01722	02185	01868	02162
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-17-4-069	FSK-17-4-046	FSK-17-4-032	FSK-17-4-076	FSK-17-4-039	FSK-17-4-013	FSK-17-4-074	FSK-17-4-026
ii.	Ht. at lest load	512.50	468.00	511.50	472.00	514.50	467.50	516.00	468.00
iii.	Align. deviation	8.00	6.00	9.00	8.00	8.00	8.00	10.00	10.00
Items traceability:									
11.3		Sno.	Item					Make	
i.	Primary Outer Spring	FSK-17-03		FSK-17-03		FSK			
ii.	Primary inner Spring	GBD-16-12		GBD-16-12		GBD			
iii.	Primary Damper	29951, 33920, 33955, 33988		33915, 31929, 32566, 33909		KONI			
iv.	Secondary Damper	0436, 0531		0533, 0522		GEREP			
v.	Lateral Damper	099		100		GABRIEL			
vi.	Break cylinder & Caliper	M16307, M16267, M16306, M16270		K16122, K16024, K16125, K16021		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					MGN			
xiii.	Lateral Bump stop					GMT			
xiv.	Traction center make					EMSON			
xv.	Traction lever make					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					SARITA			
xxi.	Ball joint roll link					SARITA			
xxii.	FORK make					RNG			
11.4		a. Modification/Trail (if any):		NIL					
		b. Deviations (if any):		NIL					

LWSCN-7037



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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	7040	DISPATCH DATE				31.08.17
2.	Railway	NR	Type	LWSCN1	Coach No.	173266	
3.	Booked to		SSE/C&W/NDLS				
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	1094		
	v)	Buffer/CBC (Make)	ESCORT	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	89/89		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:		Make				
	i	BRAKE EQUIPMENT	FAVELLY				
	ii	SEAT & BERTH	OVPL				
	iii	BODY SIDE DOORS	SUKATA				
	iv	WATER TANKS	(AUX)RAIL TECH, & (U/S)AMIT ,SHIVALIK				
	v	FLOOR BOARD	TWPL				
	vi	PVC FLOORING	RESPONSIVE				
	vii	UIC VESTIBULE	SSIPL				
	viii	VESTIBULE SLIDING DOOR	KALSI				
	ix	BIOTOILET	DARSHAN ENTERPRISES				
10.							
	10.1	Modification / Trail (if any):			NIL		
	10.2	Deviations if any:			NIL		



रेल डिब्बा कारखाना
RAIL COACH FACTORY, KAPURTHALA

Bogie Pair ID: 176546547

11.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date			
				LWSCN					
11.1	Wheel & Axle Details:								
i.	Bogie No.	176546			176547				
ii.	Frame No.	FIAT-5705			FIAT-5670				
iii.	Bolster No.	GI-6273			F-6991				
iv.	Axle No.	N-5711		S-9526	W-8316	W-8387			
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.	00058-7250	00105-6204	00007-6272	00013-7250	00020-6177	00038-6177	00167-6188	00166-6188
viii.	RB Nos.	09388	08534	09223	09188	08925	08773	09001	08807
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-17-04-55	FSK-17-04-89	FSK-17-04-57	FSK-17-04-119	FSK-17-04-47	FSK-17-04-18	FSK-17-04-68	FSK-17-04-103
ii.	Ht. at lest load	515.00	468.50	514.00	465.00	516.00	471.50	515.00	470.00
iii.	Align. deviation	9.00	9.00	7.00	6.00	8.00	9.00	8.00	7.00
11.3	Items traceability:								
	Sno.	Item					Make		
	i.	Primary Outer Spring	FSK-17-03		FSK-17-03		FSK		
	ii.	Primary inner Spring	FSK-17-03		FSK-17-03		FSK		
	iii.	Primary Damper	36505, 36008, 36021, 35998		36022, 36502, 36561, 36000		KONI		
	iv.	Secondary Damper	285, 176		289, 326		GEREP		
	v.	Lateral Damper	118		202		GABRIEL		
	vi.	Break cylinder & Caliper	M16312, M16318, M16112, M16321		M16091, M16306, M16094, M16305		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					FRAG		
	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						

LWSCN-7040



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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	7030	DISPATCH DATE				31.08.17
2.	Railway	NR	Type	LWSCN1	Coach No.	173260	
3.	Booked to		SSE/C&W/NDLS				
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)	DELLNER	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	88/88		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:		Make				
	i	BRAKE EQUIPMENT	FAVELLY				
	ii	SEAT & BERTH	OVPL				
	iii	BODY SIDE DOORS	SUKATA				
	iv	WATER TANKS	(AUX)RAIL TECH, & (U/S)RAIL TECH,SHIVALIK				
	v	FLOOR BOARD	TWPL				
	vi	PVC FLOORING	RESPONSIVE				
	vii	UIC VESTIBULE	SSIPL				
	viii	VESTIBULE SLIDING DOOR	KALSI				
	ix	BIOTOILET	RAIL TECH+RAIL FAB				
10.							
	10.1	Modification / Trail (if any):			NIL		
	10.2	Deviations if any:			NIL		



रेल डिब्बा कारखाना
RAIL COACH FACTORY, KAPURTHALA

Bogie Pair ID: 176462463

11. Bogie Details:		Shell No.	Railway		Type	Coach No.	Dispatch Date		
					LWSCN				
11.1 Wheel & Axle Details:									
i.	Bogie No.	176462				176463			
ii.	Frame No.	FIAT-5626				FIAT-5551			
iii.	Bolster No.	P-6934				P-6984			
iv.	Axle No.	W-2864		V-2095		S-3381		V-1548	
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.	00114-7321	00048-7259	00067-6216	00100-6188	00078-6225	00074-6216	00013-6069	00182-6225
viii.	RB Nos.	03252	02974	03188	2855	09365	09225	08259	08751
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-17-3-110	GBD-17-3-18	GBD-17-3-100	GBD-17-3-261	GBD-17-3-77	GBD-17-3-162	GBD-17-3-3	GBD-17-3-160
ii.	Ht. at lest load	516.00	472.00	516.00	472.00	516.00	472.00	516.00	472.00
iii.	Align. deviation	6.00	12.00	6.00	9.00	7.00	6.00	7.00	5.00
Items traceability:									
11.3		Sno.	Item					Make	
	i.	Primary Outer Spring	FSK-17-3		FSK-17-3		FSK		
	ii.	Primary inner Spring	GBD-16-12		GBD-16-12		GBD		
	iii.	Primary Damper	37459, 36772, 37471, 37467		36779, 37337, 37310, 36981		KONI		
	iv.	Secondary Damper	451, 435		604, 580		GEREP		
	v.	Lateral Damper	0245		0005		SV		
	vi.	Break cylinder & Caliper	16095,16328, 16111,16033		16152,16165, 16154,16164		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					MGN		
	xiii.	Lateral Bump stop					MGN		
	xiv.	Traction center make					EMSON		
	xv.	Traction lever make					SARITA	APW	
	xvi.	Ball joint traction lever					MGN		
	xvii.	Traction center elastic					GMT		
	xviii.	Secondary rubber pad					TECSYAK		
	xix.	Rubber spring					PRAG		
	xx.	Anti roll bar make					SARITA		
	xxi.	Ball joint roll link					SARITA		
	xxii.	FORK make					SARITA		
11.4		i.	Modification/Trail(if any):	NIL					
		ii.	Deviations (if any):	NIL					

LWSCN-7030



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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	7038	DISPATCH DATE				25.08.17
2.	Railway	NR	Type	LWSCN1	Coach No.	173259	
3.	Booked to	SSE/C&W/NDLS					
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		1104	1105	
v)	Buffer/CBC (Make)		SANROK		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	88/87	
8.2	APPLICATION OF PCN-123		SATISFACTORY				
8.3	INSUALTION		SATISFACTORY				
9.	Traceability of Furnishing Items:			Make			
i	BRAKE EQUIPMENT			FAIVELEY			
ii	SEAT & BERTH			OVPL			
iii	BODY SIDE DOORS			SUKATA			
iv	WATER TANKS			RAIL TECH, & RAIL TECH SHIVALIK			
v	FLOOR BOARD			TWPL			
vi	PVC FLOORING			RESPONSIVE			
vii	UIC VESTIBULE			SSIPL			
viii	VESTIBULE SLIDING DOOR			KALSI			
ix	BIOTOILET			RAIL TECH+RAIL FAB			
10.							
10.1	Modification / Trail (if any):				NIL		
10.2	Deviations if any:				NIL		



रेल डिब्बा कारखाना
RAIL COACH FACTORY, KAPURTHALA

Bogie Pair ID: 176464465

11. Bogie Details:		Shell No.	Railway		Type	Coach No.	Dispatch Date			
					LWSCN					
11.1 Wheel & Axle Details:										
i.	Bogie No.	176464				176465				
ii.	Frame No.	FIAT-5574				FIAT-5666				
iii.	Bolster No.	P-6980				P-6994				
iv.	Axle No.	S - 9726		R - 2402		W - 2850		N - 6423		
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.	00003-6165	00147-6225	00066-6225	00071-6219	00001-6216	00148-6131	00124-6212	00002-6216	
viii.	RB Nos.	02892	03060	09105	08234	09334	01713	03214	03134	
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-17-03-017	GBD-17-03-339	GBD-17-03-016	GBD-17-03-239	GBD-17-03-015	GBD-17-03-232	GBD-17-03-025	GBD-17-03-291	
ii.	Ht. at lest load	516.00	469.00	515.00	472.00	516.00	472.00	516.00	470.00	
iii.	Align. deviation	6.00	8.00	7.00	9.00	8.00	5.00	9.00	6.00	
Items traceability:										
11.3										
Sno.	Item					Make				
i.	Primary Outer Spring	GBD-16-12		FSK-17-01		GBD		FSK		
ii.	Primary inner Spring	GBD-16-12				GBD				
iii.	Primary Damper	37476, 37390, 37167, 37479		36792, 16241, 16198, 16181		KONI				
iv.	Secondary Damper	0642, 0411				0648, 0651		GEREP		
v.	Lateral Damper	0262				0307		SV		
vi.	Break cylinder & Caliper	17220, 17109, 17235, 17052		16219, 16241, 16198, 16181		FTI				
vii.	Break Disc							KBI FTI		
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					APW				
xvi.	Ball joint traction lever					MGN				
xvii.	Traction center elastic					GMT				
xviii.	Secondary rubber pad					TECSYAK				
xix.	Rubber spring					PRAG				
xx.	Anti roll bar make					SARITA				
xxi.	Ball joint roll link					SARITA				
xxii.	FORK make					SARITA				
11.4										
i.	Modification/Trail (if any):	NIL								
ii.	Deviations (if any):	NIL								

LWSCN-7038



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	7035	DISPATCH DATE				28.08.17
2.	Railway	NR	Type	LWSCN1	Coach No.	173263	
3.	Booked to	SSE/C&W/NDLS					
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)	SANROK	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	88/89		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:			Make			
	I	BRAKE EQUIPMENT		FAIVELEY			
	ii	SEAT & BERTH		OVPL			
	iii	BODY SIDE DOORS		SUKATA			
	iv	WATER TANKS		RAIL TECH, & RAIL TECH SHIVALIK			
	v	FLOOR BOARD		TWPL			
	vi	PVC FLOORING		RESPONSIVE			
	vii	UIC VESTIBULE		SSIPL			
	viii	VESTIBULE SLIDING DOOR		KALSI			
	ix	BIOTOILET		RAIL TECH+RAIL FAB			
10.							
	10.1	Modification / Trail (if any):			NIL		
	10.2	Deviations if any:			NIL		



रेल डिब्बा कारखाना
RAIL COACH FACTORY, KAPURTHALA

Bogie Pair ID: 176458459

11. Bogie Details:		Shell No.	Railway		Type	Coach No.	Dispatch Date		
					LWSCN				
11.1 Wheel & Axle Details:									
i.	Bogie No.	176458				176459			
ii.	Frame No.	FIAT-5697				FIAT-5586			
iii.	Bolster No.	P-6993				P-8982			
iv.	Axle No.	W-3218		S-9915		V-1813		K-2311	
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.	00056-6070	00098-6067	00081-6018	00121-6062	00145-6067	00168-6067	00051-6221	00196-7321
viii.	RB Nos.	09368	09095	01886	03242	09423	09116	08962	02234
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-17-02-10	GBD-17-03-319	GBD-17-02-2	GBD-17-03-346	GBD-17-02-11	GBD-17-03-17	GBD-17-03-112	GBD-17-03-333
ii.	Ht. at lest load	516.00	472.00	515.00	472.00	516.00	472.00	516.00	472.00
iii.	Align. deviation	9.00	9.00	7.00	6.00	6.00	12.00	6.00	11.00
Items traceability:									
11.3		Sno.	Item					Make	
i.	Primary Outer Spring	FSK-17-03		FSK-17-03		FSK		GF	
ii.	Primary inner Spring	GBD-16-12		GF-12-6		GBD		GF	
iii.	Primary Damper	36987, 36955, 37315, 36991		37133, 37275, 37481, 36959		KONI			
iv.	Secondary Damper	591, 601		548, 466		GEREP			
v.	Lateral Damper	351		0243		SV			
vi.	Break cylinder & Caliper	16184,16261, 16189,16260		16168,16381, 16147,16372		FTI			
vii.	Break Disc					FTI			
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					APW			
xvi.	Ball joint traction lever					MGN			
xvii.	Traction center elastic					GMT			
xviii.	Secondary rubber pad					TECSYAK			
xix.	Rubber spring					PRAG			
xx.	Anti roll bar make					SARITA			
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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रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	7031	DISPATCH DATE				31.08.17
2.	Railway	NR	Type	LWSCN1	Coach No.	173261	
3.	Booked to		SSE/C&W/NDLS				
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)	SANROK	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	NAROLUC	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	OVPL				
	iii	BODY SIDE DOORS	SUKATA				
	iv	WATER TANKS	RAIL TECH, & AMIT,SHIVALIK				
	v	FLOOR BOARD	TWPL				
	vi	PVC FLOORING	RESPONSIVE				
	vii	UIC VESTIBULE	SSIPL				
	viii	VESTIBULE SLIDING DOOR	KALSI				
	ix	BIOTOILET	RAIL TECH+RAIL FAB				
10.							
	10.1	Modification / Trail (if any):			NIL		
	10.2	Deviations if any:			NIL		

176550



रेल डिब्बा कारखाना
RAIL COACH FACTORY, KAPURTHALA

Bogie Pair ID: 176550551

11. Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date			
		7031	NR	LWSCN	173261/C	31-AUG-17			
11.1 Wheel & Axle Details:									
i.	Bogie No.	176550			176551				
ii.	Frame No.	SCI-946			SCI-952				
iii.	Bolster No.	F-7015			F-7033				
iv.	Axle No.	W-8573	S-3150	R-2827	V-2396				
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.	00382-6QG4	08589-6QG9	02748-5VJ6	08592-6QG9	00153-7250	00037-7250	00090-7250	00125-7251
viii.	RB Nos.	09207	07584	09382	08346	09295	02024	01931	02040
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-17-04-067	FSK-17-04-023	FSK-17-04-070	FSK-17-04-095	FSK-17-04-061	FSK-17-04-079	FSK-17-04-02	FSK-17-04-015
ii.	Ht. at lest load	513.50	470.00	515.50	468.00	512.00	470.50	511.50	471.50
iii.	Align. deviation	10.00	10.00	11.00	10.00	10.00	6.00	12.00	7.00
Items traceability:									
11.3		Sno. Item				Make			
i.	Primary Outer Spring	FSK-17-03			FSK-17-03		FSK		
ii.	Primary Inner Spring	FSK-17-03			FSK-17-03		FSK		
iii.	Primary Damper	32666, 36545, 36525, 36009			36291, 36506, 36498, 36019		KONI		
iv.	Secondary Damper	0310, 0331			202, 0131		GEREP		
v.	Lateral Damper	0200			0204		GABRIEL		
vi.	Break cylinder & Caliper	M16390, N16051, M16202, N16078			M16423, N16072, M16421, N16067		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						FRAS		
xiii.	Lateral Bump stop						GMT		
xiv.	Traction center make						SARITA		EMSON
xv.	Traction lever make						SARITA		
xvi.	Ball joint traction lever						SCA		
xvii.	Traction center elastic						SGA		
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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