



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

Page 1 of 2

ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	7014	DISPATCH DATE				22.06.2017	
2.	Railway	NWR	Type	LWSCN1	Coach No.	17203		
3.	Booked to			SSE/C&W/BKN				
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	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					MANOJ & SHIVALIK		
v	FLOOR BOARD					TAYAL		
vi	PVC FLOORING					RESPONSIVE		
vii	UIC VESTIBULE					ESCORTS		
viii	VESTIBULE SLIDING DOOR					HANSPAL		
	BIO TOILET					M K PRECISION		
10.								
10.1	Modification / Trail (if any):					NIL		
10.2	Deviations if any:					NIL		



रेल डिब्बा कारखाना
RAIL COACH FACTORY, KAPURTHALA

Bogie Pair ID: 176474475

11. Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date			
		7014	NWR	LWSCN	17263/C	22-JUN-17			
11.1 Wheel & Axle Details:									
i.	Bogie No.	176474			176475				
ii.	Frame No.	FIAT-5662			FIAT-5587				
iii.	Bolster No.	F-7005			F-6987				
iv.	Axle No.	N-0746		S-9272	W-3010	S-9719			
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.	00185-6191	00184-6070	00192-6188	00187-6134	00040-7260	00198-6212	00177-6196	00176-6214
viii.	RB Nos.	02044	03261	02856	01981	02209	03239	03063	02107
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-17-3-026	GBD-17-3-256	GBD-17-3-22	GBD-17-3-252	GBD-17-3-014	GBD-17-3-296	GBD-17-3-078	GBD-17-3-255
ii.	Ht. at lest load	515.00	472.00	516.00	471.00	513.00	472.00	514.00	469.00
iii.	Align. deviation	9.00	6.00	7.00	5.00	7.00	9.00	7.00	12.00
Items traceability:									
11.3		Sno. Item				Make			
i.	Primary Outer Spring	RSK-15-1			FSK-17-3		RSK	FSK	
ii.	Primary inner Spring	RSK-15-2			RSK-16-2		RSK		
iii.	Primary Damper	37218, 37137, 37142, 37155			37146, 37433, 37191, 37135		KONI		
iv.	Secondary Damper	0484, 0416			0398, 0496		GEREP		
v.	Lateral Damper	0265			0255		SV		
vi.	Break cylinder & Caliper	L16082, K16286, L16084, K16287			L16046, L16116, L16047, L16252		FTI		
vii.	Break Disc						KBI		
viii.	Control arm top						KUNAR		
ix.	Control arm bottom						KUNAR		
x.	top rubber pad						SGA		
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						SGA		
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						SARITA		
11.4		i. Modification/Trail (if any):		NIL					
		ii. Deviations (if any):		NIL					

LSCN-7014



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

Page 1 of 2

ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	7017	DISPATCH DATE				23.06.2017
2.	Railway	NWR	Type	LWSCN1	Coach No.	17206	
3.	Booked to		SSE/C&W/BKN				
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	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	E C BLADES & SHIVALIK				
	v	FLOOR BOARD	TWPL				
	vi	PVC FLOORING	RESPONSIVE				
	vii	UIC VESTIBULE	SSIPL				
	viii	VESTIBULE SLIDING DOOR	HP				
		BIO TOILET	M K PRECISION				
10.							
	10.1	Modification / Trail (if any):			NIL		
	10.2	Deviations if any:			NIL		



रेल डिब्बा कारखाना
RAIL COACH FACTORY, KAPURTHALA

Bogie Pair ID: 176440441

11.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date			
			7017	NWR	LWSCN	17206/C	23-JUN-17			
11.1	Wheel & Axle Details:									
i.	Bogie No.	176440				176441				
ii.	Frame No.	FIAT-5630				FIAT-5603				
iii.	Bolster No.	GI-6955				GT-6965				
iv.	Axle No.	S - 9621		N - 0809		W - 2947	W - 3238			
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	916.50	916.50	917.00	917.00	
vii.	Wheel Disc No.	00010-6138	00135-6179	00071-6214	00179-6218	00120-6067	00150-6067	00085-6185	00196-7259	
viii.	RB Nos.	00577	02906	00651	02916	00877	00009	09021	03073	
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-17-03-39	GBD-17-03-279	GBD-17-03-105	GBD-17-01-133	GBD-17-03-84	GBD-17-03-322	GBD-17-03-94	GBD-17-3-336	
ii.	Ht. at lest load	515.00	472.00	514.00	472.00	516.00	470.00	516.00	470.00	
iii.	Align. deviation	8.00	9.00	7.00	6.00	8.00	11.00	7.00	11.00	
Items traceability:										
11.3	Sno. Item								Make	
i.	Primary Outer Spring		GBD-16-12			GBD-16-12			GBD	
ii.	Primary inner Spring		FSK-16-7			FSK-16-07			FSK	
iii.	Primary Damper		33366, 33368, 33351, 33339			33374, 33357, 33358, 33438			KONI	
iv.	Secondary Damper		015, 009			039, 013			GABRIEL	
v.	Lateral Damper		0016			0012			SV	
vi.	Break cylinder & Caliper		16032,16056, 16031,16059			16089,16031, 16092,16032			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								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							

LSCN-7017



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

Page 1 of 2

ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	7016	DISPATCH DATE				23.06.2017
2.	Railway	NWR	Type	LWSCN1	Coach No.	17205	
3.	Booked to		SSE/C&W/BKN				
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	1094		
	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	86/88		
	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	SHIVALIK				
	v	FLOOR BOARD	TWPL				
	vi	PVC FLOORING	RESPONSIVE				
	vii	UIC VESTIBULE	SSIPL/SSIPL				
	viii	VESTIBULE SLIDING DOOR	HANSPAL				
		BIO TOILET	M K PRECISION				
10.							
	10.1	Modification / Trail (if any):			NIL		
	10.2	Deviations if any:			NIL		



रेल डिब्बा कारखाना
RAIL COACH FACTORY, KAPURTHALA

Bogie Pair ID: 176476477

11.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date		
			7016	NWR	LWSCR	17205/C	23-JUN-17		
11.1	Wheel & Axle Details:								
i.	Bogie No.	176476				176477			
ii.	Frame No.	FIAT-5663				FIAT-5699			
iii.	Bolster No.	P-7003				P-6950			
iv.	Axle No.	S - 9971		P - 9401		S - 9203		R - 2434	
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	916.00	916.00	916.50	917.00
vii.	Wheel Disc No.	00127-6188	00171-6214	00160-6225	00086-6021	00174-6191	00119-6018	00159-6225	00150-6021
viii.	RB Nos.	01180	02000	03199	02195	02966	02841	03071	01648
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-17-3-70	GBD-17-3-281	GBD-17-3-68	GBD-17-3-286	GBD-17-3-69	GBD-17-3-295	GBD-17-3-50	GBD-17-3-290
ii.	Ht. at lest load	516.00	471.00	516.00	472.00	515.00	472.00	515.00	472.00
iii.	Align. deviation	9.00	6.00	9.00	6.00	7.00	12.00	6.00	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-16-12			GBD-16-12		GBD		
iii.	Primary Damper	31885, 32526, 32452, 31923			32083, 31933, 32514, 31931		KONI		
iv.	Secondary Damper	0454, 0385			0496, 0555		GEREP		
v.	Lateral Damper	0266			384		SV		
vi.	Break cylinder & Caliper	K16254, L16012, L16050, L16011			K16144, K16173, K16147, K16171		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						MGN		
xiv.	Traction center make						EMSON		
xv.	Traction lever make						EMSON		
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						SARITA		
xxi.	Ball joint roll link						SARITA		
xxii.	FORK make						SARITA		
11.4	i. Modification/Trail(if any):		NIL						
	ii. Deviations (if any):		NIL						

LSCN-7016



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

Page 1 of 2

ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	7015	DISPATCH DATE				22.06.2017
2.	Railway	NWR	Type	LWSCN1	Coach No.	17204	
3.	Booked to		SSE/C&W/BKN				
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	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	OVPL				
	iii	BODY SIDE DOORS	JBM				
	iv	WATER TANKS	AMIT,SHIVALIK				
	v	FLOOR BOARD	TWPL				
	vi	PVC FLOORING	RESPONSIVE				
	vii	UIC VESTIBULE	ESCORTS				
	viii	VESTIBULE SLIDING DOOR	HANSPAL				
		BIO TOILET	M K PRECISION				
10.							
	10.1	Modification / Trail (if any):			NIL		
	10.2	Deviations if any:			NIL		



रेल डिब्बा कारखाना
RAIL COACH FACTORY, KAPURTHALA

Bogie Pair ID: 176444445

11.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date		
			7015	NWR	LWSCR	17204/C	22-JUN-17		
11.1	Wheel & Axle Details:								
i.	Bogie No.	176444				176445			
ii.	Frame No.	ECBT-056				ECBT-050			
iii.	Bolster No.	GI-6966				F-6947			
iv.	Axle No.	W-3738			K-6005		V-3362		T-0062
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	916.00	916.00
vii.	Wheel Disc No.	00174-6068	00082-6225	00049-6018	00128-6194	00192-6194	00140-6070	00038-7259	00127-7321
viii.	RB Nos.	00683	00708	01072	00389	00096	00469	09206	09253
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-17-3-58	GBD-17-03-352	GBD-17-3-52	GBD-17-03-268	GBD-17-3-25	GBD-17-3-267	GBD-17-3-01-025	GBD-17-3-337
ii.	Ht. at lest load	514.00	472.00	512.00	471.00	515.00	472.00	516.00	470.00
iii.	Align. deviation	7.00	6.00	6.00	6.00	8.00	12.00	5.00	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		33354, 33355, 33420, 33352	33417, 33324, 33418, 33421		KONI		
	iv.	Secondary Damper		429, 316	462, 597		GEREP		
	v.	Lateral Damper		0036	0315		SV		
	vi.	Break cylinder & Caliper		16106,16074, 16225,16075	16226,16073, 16222,16072		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					GMT		
	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					

LSCN-7015



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

Page 1 of 2

ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	7013	DISPATCH DATE				23.06.2017
2.	Railway	NWR	Type	LWSCN1	Coach No.	17202	
3.	Booked to	SSE/C&W/BKN					
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	85/89		
	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		JBM			
	iv	WATER TANKS		SHIVALIK			
	v	FLOOR BOARD		TWPL			
	vi	PVC FLOORING		RESPONSIVE			
	vii	UIC VESTIBULE		ESCORTS/SSIPL			
	viii	VESTIBULE SLIDING DOOR		HANSPAL			
		BIO TOILET		RAIL TECH, JSL			
10.							
	10.1	Modification / Trail (if any):				NIL	
	10.2	Deviations if any:				NIL	



रेल डिब्बा कारखाना
RAIL COACH FACTORY, KAPURTHALA

Bogie Pair ID: 176432433

11.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date		
			7013	NWR	LWSCN	17202/C	23-JUN-17		
11.1 Wheel & Axle Details:									
i.	Bogie No.	176432			176433				
ii.	Frame No.	FIAT-5681			FIAT-5483				
iii.	Bolster No.	F-6945			F-6957				
iv.	Axle No.	V-1600		W-3168	W-3609		V-1479		
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.	00155-6221	0093-6203	00177-71281	00049-6220	00027-6185	00108-6223	00076-7258	00115-7321
viii.	RB Nos.	08897	09351	09316	09230	09194	08491	08916	08963
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-17-3-107	GBD-17-3-130	GBD-17-3-96	GBD-17-3-371	GBD-17-3-59	GBD-17-3-304	GBD-17-3-60	GBD-17-3-332
ii.	Ht. at rest load	516.00	472.00	516.00	472.00	516.00	470.00	516.00	470.00
iii.	Align. deviation	7.00	5.00	7.00	5.00	7.00	9.00	6.00	8.00
Items traceability:									
11.3		Sno.	Item					Make	
		i.	Primary Outer Spring	GBD-16-12		GBD-16-12		GBD	
		ii.	Primary inner Spring	FSK-16-07		FSK-16-07		FSK	
		iii.	Primary Damper	33147, 33112, 33077, 33452		33378, 33072, 33145, 36467		KONI	
		iv.	Secondary Damper	005, 027		016, 014		GABRIEL	
		v.	Lateral Damper	0381		0364		SV	
		vi.	Break cylinder & Caliper	16288,16234, 16225,16235		16251,16261, 16248,16263		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					GMT	
		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					TECSPACK	
		xix.	Rubber spring					GMT	
		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					

LSCN-7013



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

Page 1 of 2

ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	7012	DISPATCH DATE				20.06.2017
2.	Railway	NWR	Type	LWSCN1	Coach No.	17201	
3.	Booked to		SSE/C&W/BKN				
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	1095		
	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	FAIVELEY				
	ii	SEAT & BERTH	OVPL				
	iii	BODY SIDE DOORS	JBM				
	iv	WATER TANKS	E C BLADES, SHIVALIK				
	v	FLOOR BOARD	TWPL				
	vi	PVC FLOORING	RESPONSIVE				
	vii	UIC VESTIBULE	SSIPL				
	viii	VESTIBULE SLIDING DOOR	HANSPAL				
		BIO TOILET	RAIL TECH, JSL				
10.							
	10.1	Modification / Trail (if any):			NIL		
	10.2	Deviations if any:			NIL		



रेल डिब्बा कारखाना, कपूरथला

Rail Coach Factory , Kapurthala

11.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date			
			7012	NWR	LSCN	17201	08-05-2017			
11.1	Wheel & Axle Details:									
	i.	Bogie No.	176422			176423				
	ii.	Frame No.	FIAT-5478			FIAT-5643				
	iii.	Bolster No.	6938-GT			6933-P				
	iv.	Axle No.	V-2464		W-2848		V-1651		W-2524	
	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.	00086/6 177	00117/6 136	00132/61 07	00006/6 225	00058/6 214	00039/6 214	00154/61 36	00067/6 177
	viii.	R.B. Nos.	09403	08863	08789	08953	09298	08981	08707	09166
	ix.	R.B. 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-17-3-032	GBD-17-3-309	GBD-17-3-049	GBD-17-3-313	GBD-17-3-044	GBD-17-3-306	GBD-17-3-033	GBD-17-3-299	
ii.	Ht. at test load	516	472	516	472	515	471	515	469	
iii.	Align .deviation	9	6	8	5	9	6	7	5	
11.3	Items traceability:									
	Sno.	Item						Make		
	i.	Primary Outer Spring			GBD-16-12		GBD-16-12		GBD	
	ii.	Primary inner Spring			FSK-16-07		FSK-16-07		FSK	
	iii.	Primary Damper			33157,33134,33179,33076		33140,33101,33104,33122		KONI	
	iv.	Secondary damper			030,028		019,034		GABRIEL	
	v.	Lateral Damper			0023		0231		SV	
	vi.	Brake cylinder & Caliper			F16202/600,F16178/600 F16205/600,F16179/600		M16228/600,M16223/600 M16227/600,M16220/600		FTI	
	vii.	Brake 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							AFW	
	xvi.	Ball joint traction lever							MGN	
	xvii.	Traction centre elastic							GMT	
	xviii.	Secondary rubber pad							TECSPAK	
	xix.	Rubber spring							GMT	
	xx.	Anti roll bar make							SARITA	
	xxi.	Ball joint roll link							SARITA	
	xxii.	Fork make							SARITA	
11.4	i.	Modification / Trial (if any):				NIL				
	ii.	Deviations (if any):				NIL				



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

Page 1 of 2

ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	7018	DISPATCH DATE				23.06.2017
2.	Railway	NWR	Type	LWSCN1	Coach No.	17207	
3.	Booked to		SSE/C&W/BKN				
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	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	E C BLADES, SHIVALIK				
	v	FLOOR BOARD	TWPL				
	vi	PVC FLOORING	RESPONSIVE				
	vii	UIC VESTIBULE	SSIPL				
	viii	VESTIBULE SLIDING DOOR	HP				
		BIO TOILET	M K PRECISION				
10.							
	10.1	Modification / Trail (if any):	NIL				
	10.2	Deviations if any:	NIL				



रेल डिब्बा कारखाना
RAIL COACH FACTORY, KAPURTHALA

Bogie Pair ID: 176534535

11.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date		
			7018	NWR	LWSCN	17207/C	23-JUN-17		
11.1	Wheel & Axle Details:								
i.	Bogie No.	176534			176535				
ii.	Frame No.	ECBT-69			FIAT-5702				
iii.	Bolster No.	P-6694			P-7040				
iv.	Axle No.	K-6728		V-2424	W-3375		W-3423		
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	916.00	916.00	916.00	916.00
vii.	Wheel Disc No.	00052-6044	00011-6202	00158-6069	00017-6069	00107-6192	00115-6226	00082-6226	00069-6226
viii.	RB Nos.	09052	08898	03051	03615	09143	01854	08787	09192
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-17-04-34	FSK-17-04-108	FSK-17-04-58	FSK-17-04-97	FSK-17-04-28	FSK-17-04-118	FSK-17-04-20	FSK-17-04-43
ii.	Ht. at lest load	513.50	472.00	515.50	471.50	516.00	468.00	516.00	469.50
iii.	Align. deviation	10.00	8.00	9.00	5.00	8.00	12.00	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	GBD-16-12		GBD-16-12		GBD			
iii.	Primary Damper	33461, 33192, 33432, 33412		33426, 33161, 33174, 33467		KONI			
iv.	Secondary Damper	471, 324		305, 476		GEREP			
v.	Lateral Damper	129		116		GABRIEL			
vi.	Break cylinder & Caliper	G16294, G16202, G16166, G16207		M16264, M16272, M16270, M16273		FTI			
vii.	Break Disc					KBI		FTI	
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					GMT		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						

LSCN-7018