



आर्य समाज पालिका

RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (NON-LHB)

(FORM NO. QMF 4254 VER.06)

1.	SHELL NO	7071	BOGIE NO	174287 / 174288	DISPATCH DATE	09-OCT-17	
2.	RAILWAY	SWR	TYPE OF COACH	MEMUTC AS	COACH NO	151043	
3.	BOOKED TO	SSE/C&W/HUBLI					
4.	Tare Weight of Coach	0					
5.	Carrying Capacity	Seating	NIL	Sleeping	NIL	Luggage	NIL
6.	6.1	Leading Dimensions:					
	i)	Maximum height above rail to top of roof ventilator			4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN)		
	ii)	Maximum length over Body			21337 ± 10		
	iii)	Maximum length over Buffer			22297 ± 15		
	iv)	Maximum width over Body			3245 ± 5		
	v)	Maximum width over Flasher lighth			3402 +0/-5		
	vi)	CBC/Buffer/Shaku Coupler Height	Specified: 1104 +0/-10 mm (1035 +0/-5 mm for shaku coupler)		1035	1035	
	vii)	CBC/Buffer/Shaku Coupler (Make)			SANROK	SANROK	
	viii)	Draw Gear Make			---	---	
7.	Air Brake Testing:						
	Description				Specified		
	7.1	Emergency Application	Time for 0 to 36 Kg/cm ² of BC		Less than 05 Sec		
			Brake release time to reach 0.4 Kg/cm ²		Less than 20 Sec		
	7.2	Insensitivity	BP dipped @ 0.30 Kg/cm ² in 60 Sec		No brake application		
	7.3	Sensitivity	BP dipped @ 0.60 Kg/cm ² in 6 Sec		Brakes "ON"		
	7.4	Passenger alarm by pulling chain			BP Blasts out, Brakes "ON"		
	7.5	Piston stroke for BMBC type coach only			19 +10/-0 mm		
8.	Painting Details:						
			Type of Paint		Make	Average Gloss Value	
	8.1	Paint	PU PAINT		GS	85 / 85	
	8.2	Application of PCN-123	SATISFACTORY				
	8.3	Insulation	SATISFACTORY				
9.	Traceability of Furnishing Items:						
	1	BRAKE EQUIPMENT			WSF		
	2	FLOOR BOARD			SRI RAM		
	3	PVC			RESPONSIVE		
	4	UIC VESTIBULES			KRP		
	5	WATER TANKS			RAIL FAB		
	6	SEAT & BEARTH			OVPL		
	7	LP SHEET			PL		
	8	LAVATORY DOORS			TWPL		
10.1	Modification/ Trial (If any): NIL						
10.2	Deviations (If any): NIL						



भारतीय रेलवे कार्गो
RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (NON-LHB)

11.	Bogie Details:		Shell No.	Railway		Type		Coach No.		Dispatch Date	
			7071	SWR		MEMUTC AS		151043		09-OCT-17	
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt "a"										
11.2	Wheel & Axle Details:										
	i.	Bogie No.	174287				174288				
	ii.	Frame No.	ECBT-65				ECBT-73				
	iii.	Axle No.	3556		4407		6135		2830		
	iv.	Wheel Diameter	953.00	953.00	953.00	953.00	954.00	954.00	953.00	953.00	
	v.	Wheel Disc No.	24845-01093	25925-01441	25456-00297	25577-00332	22752-00592	24999-01280	12751-01887	01897-12751	
	vi.	RB Nos	Y2992	Y3005	S0465	X0671	Y3003	Y2995	Y3010	Y3036	
	vii.	RB Make	FAG		FAG		FAG		FAG		
	viii.	RB Type	Direct Mounted Spherical Roller Bearing								
11.3	Items traceability:										
	i.	Break Cylinder Make & No.			WSF-381,358			WSF-376,359			
	ii.	Secondary shock Absorber Make & NO.			IAI-183443,183386			IAI-183460,185460			
	iii.	Lateral Shock Absorber Make & NO.			IAI-183810,183755			IAI-183765,183844			
	iv.	Air Spring Make & NO.			RESISTO-911,905			RESISTO-0902,0935			
11.4	i.	Modification/Trail(if any):			NIL						
	ii.	Deviations (if any):			NIL						

MEMUTC AS - 7071



आयुर्वेद पाली

RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (NON-LHB)

(FORM NO. QMF 4254 VER.06)

1.	SHELL NO	7069	BOGIE NO	174276 / 174277	DISPATCH DATE	01-NOV-17	
2.	RAILWAY	SWR	TYPE OF COACH	MEMUTC AS	COACH NO	151047	
3.	BOOKED TO	SSE/C&W/HUBLI					
4.	Tare Weight of Coach	0					
5.	Carrying Capacity	Seating	NIL	Sleeping	NIL	Luggage	NIL
6.	6.1	Leading Dimensions:					
	i)	Maximum height above rail to top of roof ventilator			4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN)		
	ii)	Maximum length over Body			21337 ± 10		
	iii)	Maximum length over Buffer			22297 ± 15		
	iv)	Maximum width over Body			3245 ± 5		
	v)	Maximum width over Flasher lighth			3402 +0/-5		
	vi)	CBC/Buffer/Shaku Coupler Height	Specified: 1104 +0/-10 mm (1035 +0/-5 mm for shaku coupler)		1035	1035	
	vii)	CBC/Buffer/Shaku Coupler (Make)			ESCORTS	ESCORTS	
	viii)	Draw Gear Make			---	---	
7.	Air Brake Testing:						
	Description				Specified		
	7.1	Emergency Application	Time for 0 to 36 Kg/cm ² of BC		Less than 05 Sec		
			Brake release time to reach 0.4 Kg/cm ²		Less than 20 Sec		
	7.2	Insensitivity	BP dipped @ 0.30 Kg/cm ² in 60 Sec		No brake application		
	7.3	Sensitivity	BP dipped @ 0.60 Kg/cm ² in 6 Sec		Brakes "ON"		
	7.4	Passenger alarm by pulling chain			BP Blasts out, Brakes "ON"		
	7.5	Piston stroke for BMBC type coach only			19 +10/-0 mm		
8.	Painting Details:						
			Type of Paint		Make	Average Gloss Value	
	8.1	Paint	PU PAINT		GS	85 / 85	
	8.2	Application of PCN-123	SATISFACTORY				
	8.3	Insulation	SATISFACTORY				
9.	Traceability of Furnishing Items:						
	1	BRAKE EQUIPMENT			WSF		
	2	FLOOR BOARD			TWPL		
	3	PVC			RESPONSIVE		
	4	UIC VESTIBULES			KRP		
	5	WATER TANKS			RAIL FAB		
	6	SEAT & BEARTH			OVPL		
	7	LP SHEET			PL		
	8	LAVATORY DOORS			TWPL		
	9	BIO-TOILET			OMAX		
10.	10.1	Modification/ Trial (If any): NIL					
	10.2	Deviations (If any): NIL					



भारतीय रेलवे कारखाना
RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (NON-LHB)

11.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date			
			7069	SWR	MEMUTC AS	151047	01-NOV-17			
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt "a"									
11.2	Wheel & Axle Details:									
	i.	Bogie No.	174276				174277			
	ii.	Frame No.	ECBT-68				ECBT-61			
	iii.	Axle No.	1016		4082		3251		1932	
	iv.	Wheel Diameter	953.00	953.00	953.00	953.00	953.00	953.00	953.00	953.00
	v.	Wheel Disc No.	69937-12084	58385-09969	28118-01743	28168-01743	25371-01348	69626-12212	28149-01743	28119-01743
	vi.	RB Nos	X0496	X0029	X0529	X0502	X0450	S0072	X0427	X0434
	vii.	RB Make	FAG		FAG		FAG		FAG	
	viii.	RB Type	Direct Mounted Spherical Roller Bearing							
11.3	Items traceability:									
	i.	Break Cylinder Make & No.			WSF-383,388			WSF-385,384		
	ii.	Secondary shock Absorber Make & NO.			IAI-183362,183485			IAI-183417,183547		
	iii.	Lateral Shock Absorber Make & NO.			IAI-183614,183705			IAI-183663,183781		
	iv.	Air Spring Make & NO.			RESISTO-0745,0859			RESISTO-0840,0811		
11.4	i.	Modification/Trail(if any):			NIL					
	ii.	Deviations (if any):			NIL					

MEMUTC AS - 7069



आयुर्वेद पाली

RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (NON-LHB)

(FORM NO. QMF 4254 VER.06)

1.	SHELL NO	7039	BOGIE NO	174293 / 174299	DISPATCH DATE	03-NOV-17	
2.	RAILWAY	SWR	TYPE OF COACH	MEMUTC AS	COACH NO	151049	
3.	BOOKED TO	SSE/C&W/HUBLI					
4.	Tare Weight of Coach	0					
5.	Carrying Capacity	Seating	NIL	Sleeping	NIL	Luggage	NIL
6.	6.1	Leading Dimensions:					
	i)	Maximum height above rail to top of roof ventilator			4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN)		
	ii)	Maximum length over Body			21337 ± 10		
	iii)	Maximum length over Buffer			22297 ± 15		
	iv)	Maximum width over Body			3245 ± 5		
	v)	Maximum width over Flasher lighth			3402 +0/-5		
	vi)	CBC/Buffer/Shaku Coupler Height	Specified: 1104 +0/-10 mm (1035 +0/-5 mm for shaku coupler)		1035	1035	
	vii)	CBC/Buffer/Shaku Coupler (Make)			SANROK	ESCORTS	
	viii)	Draw Gear Make			---	---	
7.	Air Brake Testing:						
	Description				Specified		
	7.1	Emergency Application	Time for 0 to 36 Kg/cm2 of BC		Less than 05 Sec		
			Brake release time to reach 0.4 Kg/cm2		Less than 20 Sec		
	7.2	Insensitivity	BP dipped @ 0.30 Kg/cm2 in 60 Sec		No brake application		
	7.3	Sensitivity	BP dipped @ 0.60 Kg/cm2 in 6 Sec		Brakes "ON"		
	7.4	Passenger alarm by pulling chain			BP Blasts out, Brakes "ON"		
	7.5	Piston stroke for BMBC type coach only			19 +10/-0 mm		
8.	Painting Details:						
			Type of Paint		Make	Average Gloss Value	
	8.1	Paint	PU PAINT		GS	85 / 85	
	8.2	Application of PCN-123	SATISFACTORY				
	8.3	Insulation	SATISFACTORY				
9.	Traceability of Furnishing Items:						
	1	BRAKE EQUIPMENT			WSF		
	2	FLOOR BOARD			TWPL		
	3	PVC			RESPONSIVE		
	4	UIC VESTIBULES			KRP		
	5	WATER TANKS			RAIL FAB		
	6	SEAT & BEARTH			OVPL		
	7	LP SHEET			PL		
	8	LAVATORY DOORS			TWPL		
	9	BIO-TOILET			OMAX		
10.	10.1	Modification/ Trial (If any): NIL					
	10.2	Deviations (If any): NIL					



भारतीय रेलवे कारखाना
RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (NON-LHB)

11.	Bogie Details:		Shell No.	Railway		Type		Coach No.		Dispatch Date	
			7039	SWR		MEMUTC AS		151049		03-NOV-17	
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt "a"										
11.2	Wheel & Axle Details:										
	i.	Bogie No.	174293				174299				
	ii.	Frame No.	ECBT-60				ECBT-62				
	iii.	Axle No.	1537		2087		4249		998		
	iv.	Wheel Diameter	953.00	953.00	954.00	954.00	954.00	954.00	954.00	954.00	
	v.	Wheel Disc No.	11678-15074	69942-12084	11676-15074	11867-14980	25180-01238	25115-01238	28169-01743	24998-01280	
	vi.	RB Nos	Y3125	X0049	X0820	X0674	Y2902	Y2933	Y2843	Y2936	
	vii.	RB Make	FAG		FAG		FAG		FAG		
	viii.	RB Type	Direct Mounted Spherical Roller Bearing								
11.3	Items traceability:										
	i.	Break Cylinder Make & No.			PEW-5175,5319			PEW-5311,5191			
	ii.	Secondary shock Absorber Make & NO.			IAI-183525,183550			IAI-185360,183555			
	iii.	Lateral Shock Absorber Make & NO.			IAI-183682,183712			IAI-183791,183701			
	iv.	Air Spring Make & NO.			RESISTO-0764,0769			RESISTO-0927,0880			
11.4	i.	Modification/Trail(if any):			NIL						
	ii.	Deviations (if any):			NIL						

MEMUTC AS - 7039



आर्वा रोलिंग स्टॉक प्रमाणपत्र

RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (NON-LHB)

(FORM NO. QMF 4254 VER.06)

1.	SHELL NO	7026	BOGIE NO	174283 / 174284	DISPATCH DATE	07-NOV-17	
2.	RAILWAY	SWR	TYPE OF COACH	MEMUTC AS	COACH NO	151044	
3.	BOOKED TO	SSE/C&W/HUBLI					
4.	Tare Weight of Coach	0					
5.	Carrying Capacity	Seating	NIL	Sleeping	NIL	Luggage	NIL
6.	6.1	Leading Dimensions:					
	i)	Maximum height above rail to top of roof ventilator			4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN)		
	ii)	Maximum length over Body			21337 ± 10		
	iii)	Maximum length over Buffer			22297 ± 15		
	iv)	Maximum width over Body			3245 ± 5		
	v)	Maximum width over Flasher lighth			3402 +0/-5		
	vi)	CBC/Buffer/Shaku Coupler Height	Specified: 1104 +0/-10 mm (1035 +0/-5 mm for shaku coupler)		1035	1035	
	vii)	CBC/Buffer/Shaku Coupler (Make)			ESCORTS	ESCORTS	
	viii)	Draw Gear Make			---	---	
7.	Air Brake Testing:						
	Description				Specified		
	7.1	Emergency Application	Time for 0 to 36 Kg/cm ² of BC		Less than 05 Sec		
			Brake release time to reach 0.4 Kg/cm ²		Less than 20 Sec		
	7.2	Insensitivity	BP dipped @ 0.30 Kg/cm ² in 60 Sec		No brake application		
	7.3	Sensitivity	BP dipped @ 0.60 Kg/cm ² in 6 Sec		Brakes "ON"		
	7.4	Passenger alarm by pulling chain			BP Blasts out, Brakes "ON"		
	7.5	Piston stroke for BMBC type coach only			19 +10/-0 mm		
8.	Painting Details:						
			Type of Paint		Make	Average Gloss Value	
	8.1	Paint	-		GS	85 / 85	
	8.2	Application of PCN-123	SATISFACTORY				
	8.3	Insulation	SATISFACTORY				
9.	Traceability of Furnishing Items:						
	1	BRAKE EQUIPMENT			WSF		
	2	FLOOR BOARD			TWPL		
	3	PVC			RESPONSIVE		
	4	UIC VESTIBULES			ELASTOMER		
	5	WATER TANKS			RAIL FAB, RUBICONE		
	6	SEAT & BEARTH			OVPL		
	7	LP SHEET			PL		
	8	LAVATORY DOORS			TWPL		
	9	BIO-TOILET			OMAX		
10.	10.1	Modification/ Trial (If any): NIL					
	10.2	Deviations (If any): NIL					



भारतीय रेलवे कारखाना
RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (NON-LHB)

11.	Bogie Details:		Shell No.	Railway		Type		Coach No.		Dispatch Date	
			7026	SWR		MEMUTC AS		151044		07-NOV-17	
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt "a"										
11.2	Wheel & Axle Details:										
	i.	Bogie No.	174283				174284				
	ii.	Frame No.	ECBT-12				ECBT-76				
	iii.	Axle No.	963		8789		5119		979		
	iv.	Wheel Diameter	953.00	953.00	953.00	953.00	954.00	954.00	954.00	954.00	
	v.	Wheel Disc No.	61774-10551	25581-00338	69704-12084	69644-12212	24841-01093	22859-00781	24984-01280	25045-01280	
	vi.	RB Nos	Y2824	X0042	Y3115	X0055	W3164	W3162	Y2851	Y2948	
	vii	RB Make	FAG		FAG		FAG		FAG		
	viii	RB Type	Direct Mounted Spherical Roller Bearing								
11.3	Items traceability:										
	i.	Break Cylinder Make & No.			WSF-397,396			WSF-398,383			
	ii.	Secondary shock Absorber Make & NO.			IAI-183520,183378			IAI-183415,183458			
	iii.	Lateral Shock Absorber Make & NO.			IAI-183745,183802			IAI-183747,183803			
	iv.	Air Spring Make & NO.			RESISTO-1162,1128			RESISTO-0811,0794			
11.4	i.	Modification/Trail(if any):			NIL						
	ii.	Deviations (if any):			NIL						

MEMUTC AS - 7026



आयुर्वेद पालेय

RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (NON-LHB)

(FORM NO. QMF 4254 VER.06)

1.	SHELL NO	7043	BOGIE NO	174250 / 174253	DISPATCH DATE	08-NOV-17	
2.	RAILWAY	SWR	TYPE OF COACH	MEMUTC AS	COACH NO	151052	
3.	BOOKED TO	SSE/C&W/HUBLI					
4.	Tare Weight of Coach	0					
5.	Carrying Capacity	Seating	NIL	Sleeping	NIL	Luggage	NIL
6.	6.1	Leading Dimensions:					
	i)	Maximum height above rail to top of roof ventilator			4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN)		
	ii)	Maximum length over Body			21337 ± 10		
	iii)	Maximum length over Buffer			22297 ± 15		
	iv)	Maximum width over Body			3245 ± 5		
	v)	Maximum width over Flasher lighth			3402 +0/-5		
	vi)	CBC/Buffer/Shaku Coupler Height	Specified: 1104 +0/-10 mm (1035 +0/-5 mm for shaku coupler)		1035	1035	
	vii)	CBC/Buffer/Shaku Coupler (Make)			ESCORTS	ESCORTS	
	viii)	Draw Gear Make			---	---	
7.	Air Brake Testing:						
	Description				Specified		
	7.1	Emergency Application	Time for 0 to 36 Kg/cm ² of BC		Less than 05 Sec		
			Brake release time to reach 0.4 Kg/cm ²		Less than 20 Sec		
	7.2	Insensitivity	BP dipped @ 0.30 Kg/cm ² in 60 Sec		No brake application		
	7.3	Sensitivity	BP dipped @ 0.60 Kg/cm ² in 6 Sec		Brakes "ON"		
	7.4	Passenger alarm by pulling chain			BP Blasts out, Brakes "ON"		
	7.5	Piston stroke for BMBC type coach only			19 +10/-0 mm		
8.	Painting Details:						
			Type of Paint		Make	Average Gloss Value	
	8.1	Paint	PU PAINT		VIBGYOR	85 / 85	
	8.2	Application of PCN-123	SATISFACTORY				
	8.3	Insulation	SATISFACTORY				
9.	Traceability of Furnishing Items:						
	1	BRAKE EQUIPMENT			WSF		
	2	FLOOR BOARD			OVPL		
	3	PVC			RESPONSIVE		
	4	UIC VESTIBULES			ELASTOMER		
	5	WATER TANKS			RUBICONE		
	6	SEAT & BEARTH			OVPL		
	7	LP SHEET			PL		
	8	LAVATORY DOORS			TWPL		
	9	BIO-TOILET			OMAX		
10.	10.1	Modification/ Trial (If any): NIL					
	10.2	Deviations (If any): NIL					



भारतीय रेलवे कारखाना
RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (NON-LHB)

11.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date			
			7043	SWR	MEMUTC AS	151052	08-NOV-17			
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt "a"									
11.2	Wheel & Axle Details:									
	i.	Bogie No.	174250				174253			
	ii.	Frame No.	ECBT-46				ECBT-57			
	iii.	Axle No.	2490		1926		2841		2368	
	iv.	Wheel Diameter	953.00	953.00	953.00	953.00	953.00	953.00	953.00	953.00
	v.	Wheel Disc No.	25864-01415	25495-00332	25715-01377	25638-00338	27487-01533	25888-01415	25621-00338	25451-00297
	vi.	RB Nos	Y1955	Y1917	Y2517	Y1710	Y2513	Y2515	Y3059	Y2761
	vii.	RB Make	FAG		FAG		FAG		FAG	
	viii.	RB Type	Direct Mounted Spherical Roller Bearing							
11.3	Items traceability:									
	i.	Break Cylinder Make & No.			WSF-363,235			WSF-0326,0308		
	ii.	Secondary shock Absorber Make & NO.			IAI-183363,183559			IAI-183450,183360		
	iii.	Lateral Shock Absorber Make & NO.			IAI-183630,183576			IAI-183621,183607		
	iv.	Air Spring Make & NO.			RESISTO-0757,760			RESISTO-746,776		
11.4	i.	Modification/Trail(if any):			NIL					
	ii.	Deviations (if any):			NIL					

MEMUTC AS - 7043



आर्वा रेलवे कार्गो

RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (NON-LHB)

(FORM NO. QMF 4254 VER.06)

1.	SHELL NO	7054	BOGIE NO	174272 / 174273	DISPATCH DATE	08-NOV-17	
2.	RAILWAY	SWR	TYPE OF COACH	MEMUTC AS	COACH NO	151053	
3.	BOOKED TO	SSE/C&W/HUBLI					
4.	Tare Weight of Coach	0					
5.	Carrying Capacity	Seating	NIL	Sleeping	NIL	Luggage	NIL
6.	6.1	Leading Dimensions:					
	i)	Maximum height above rail to top of roof ventilator			4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN)		
	ii)	Maximum length over Body			21337 ± 10		
	iii)	Maximum length over Buffer			22297 ± 15		
	iv)	Maximum width over Body			3245 ± 5		
	v)	Maximum width over Flasher lighth			3402 +0/-5		
	vi)	CBC/Buffer/Shaku Coupler Height	Specified: 1104 +0/-10 mm (1035 +0/-5 mm for shaku coupler)		1032	1035	
	vii)	CBC/Buffer/Shaku Coupler (Make)			SANROK	SANROK	
	viii)	Draw Gear Make			---	---	
7.	Air Brake Testing:						
	Description				Specified		
	7.1	Emergency Application	Time for 0 to 36 Kg/cm ² of BC		Less than 05 Sec		
			Brake release time to reach 0.4 Kg/cm ²		Less than 20 Sec		
	7.2	Insensitivity	BP dipped @ 0.30 Kg/cm ² in 60 Sec		No brake application		
	7.3	Sensitivity	BP dipped @ 0.60 Kg/cm ² in 6 Sec		Brakes "ON"		
	7.4	Passenger alarm by pulling chain			BP Blasts out, Brakes "ON"		
	7.5	Piston stroke for BMBC type coach only			19 +10/-0 mm		
8.	Painting Details:						
			Type of Paint		Make	Average Gloss Value	
	8.1	Paint	-		VIBGYOR	85 / 85	
	8.2	Application of PCN-123	SATISFACTORY				
	8.3	Insulation	SATISFACTORY				
9.	Traceability of Furnishing Items:						
	1	BRAKE EQUIPMENT			WSF		
	2	FLOOR BOARD			SRI RAM, TWPL		
	3	PVC			RESPONSIVE		
	4	UIC VESTIBULES			KRP		
	5	WATER TANKS			RAIL FAB		
	6	SEAT & BEARTH			OVPL		
	7	LP SHEET			PL		
	8	LAVATORY DOORS			TWPL		
	9	BIO-TOILET			MRC		
10.	10.1	Modification/ Trial (If any): NIL					
	10.2	Deviations (If any): NIL					



भारतीय रेलवे कारखाना
RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (NON-LHB)

11.	Bogie Details:		Shell No.	Railway		Type		Coach No.		Dispatch Date	
			7054	SWR		MEMUTC AS		151053		08-NOV-17	
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt "a"										
11.2	Wheel & Axle Details:										
	i.	Bogie No.	174272				174273				
	ii.	Frame No.	ECBT-10				ECBT-76				
	iii.	Axle No.	4415		997		4497		2408		
	iv.	Wheel Diameter	953.00	953.00	953.00	953.00	953.00	953.00	954.00	954.00	
	v.	Wheel Disc No.	25736-01377	25607-00338	22760-00592	24848-01093	V1794-2V40	06622-2W82	28111-01743	25460-01441	
	vi.	RB Nos	W3144	W3135	W3147	W3128	Y3007	Y2998	Y3053	Y3025	
	vii	RB Make	FAG		FAG		FAG		FAG		
	viii	RB Type	Direct Mounted Spherical Roller Bearing								
11.3	Items traceability:										
	i.	Break Cylinder Make & No.			WSF-872,382			WSF-360,375			
	ii.	Secondary shock Absorber Make & NO.			IAI-183905,183883			IAI-183454,183545			
	iii.	Lateral Shock Absorber Make & NO.			IAI-183664,183643			IAI-183772,183761			
	iv.	Air Spring Make & NO.			RESISTO-0830,0812			RESISTO-0819,0801			
11.4	i.	Modification/Trail(if any):			NIL						
	ii.	Deviations (if any):			NIL						

MEMUTC AS - 7054



आर्वा रेलवे कार्गो

RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (NON-LHB)

(FORM NO. QMF 4254 VER.06)

1.	SHELL NO	7062	BOGIE NO	174291 / 174292	DISPATCH DATE	08-NOV-17	
2.	RAILWAY	SWR	TYPE OF COACH	MEMUTC AS	COACH NO	151051	
3.	BOOKED TO	SSE/C&W/HUBLI					
4.	Tare Weight of Coach	0					
5.	Carrying Capacity	Seating	NIL	Sleeping	NIL	Luggage	NIL
6.	6.1	Leading Dimensions:					
	i)	Maximum height above rail to top of roof ventilator			4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN)		
	ii)	Maximum length over Body			21337 ± 10		
	iii)	Maximum length over Buffer			22297 ± 15		
	iv)	Maximum width over Body			3245 ± 5		
	v)	Maximum width over Flasher lighth			3402 +0/-5		
	vi)	CBC/Buffer/Shaku Coupler Height	Specified: 1104 +0/-10 mm (1035 +0/-5 mm for shaku coupler)		1035	1035	
	vii)	CBC/Buffer/Shaku Coupler (Make)			ESCORTS	ESCORTS	
	viii)	Draw Gear Make			---	---	
7.	Air Brake Testing:						
	Description				Specified		
	7.1	Emergency Application	Time for 0 to 36 Kg/cm ² of BC		Less than 05 Sec		
			Brake release time to reach 0.4 Kg/cm ²		Less than 20 Sec		
	7.2	Insensitivity	BP dipped @ 0.30 Kg/cm ² in 60 Sec		No brake application		
	7.3	Sensitivity	BP dipped @ 0.60 Kg/cm ² in 6 Sec		Brakes "ON"		
	7.4	Passenger alarm by pulling chain			BP Blasts out, Brakes "ON"		
	7.5	Piston stroke for BMBC type coach only			19 +10/-0 mm		
8.	Painting Details:						
			Type of Paint		Make	Average Gloss Value	
	8.1	Paint	PU PAINT		GS	85 / 85	
	8.2	Application of PCN-123	SATISFACTORY				
	8.3	Insulation	SATISFACTORY				
9.	Traceability of Furnishing Items:						
	1	BRAKE EQUIPMENT			WSF		
	2	FLOOR BOARD			TWPL		
	3	PVC			RESPONSIVE		
	4	UIC VESTIBULES			ELASTOMER		
	5	WATER TANKS			RAIL FAB		
	6	SEAT & BEARTH			OVPL		
	7	LAVATORY DOORS			GANDHI		
	8	BIO-TOILET			MRC		
10.1	Modification/ Trial (If any): NIL						
10.2	Deviations (If any): NIL						



भारतीय रेलवे कारखाना
RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (NON-LHB)

11.	Bogie Details:		Shell No.	Railway	Type		Coach No.		Dispatch Date	
			7062	SWR	MEMUTC AS		151051		08-NOV-17	
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt "a"									
11.2	Wheel & Axle Details:									
	i.	Bogie No.	174291				174292			
	ii.	Frame No.	ECBT-32				ASR-29			
	iii.	Axle No.	1577		1774		1553		2105	
	iv.	Wheel Diameter	954.00	954.00	954.00	954.00	953.00	953.00	953.00	953.00
	v.	Wheel Disc No.	59067-08282	58280-09673	69945-12084	58038-09652	58346-09934	12270-15343	57465-12038	58437-09960
	vi.	RB Nos	X0672	X0678	V0821	X0676	X0500	X0061	X0519	X0666
	vii.	RB Make	FAG		FAG		FAG		FAG	
	viii.	RB Type	Direct Mounted Spherical Roller Bearing							
11.3	Items traceability:									
	i.	Break Cylinder Make & No.			AJTECH-2125,5800			AJTECH-2120,2122		
	ii.	Secondary shock Absorber Make & NO.			IAI-85347,85276			IAI-185381,185253		
	iii.	Lateral Shock Absorber Make & NO.			IAI-NIL			IAI-NIL		
	iv.	Air Spring Make & NO.			RESISTO-0806,0800			RESISTO-0966,0914		
11.4	i.	Modification/Trail(if any):			NIL					
	ii.	Deviations (if any):			NIL					

MEMUTC AS - 7062



आयुर्वेद पाली

RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (NON-LHB)

(FORM NO. QMF 4254 VER.06)

1.	SHELL NO	7038	BOGIE NO	174270 / 174271	DISPATCH DATE	09-NOV-17	
2.	RAILWAY	SWR	TYPE OF COACH	MEMUTC AS	COACH NO	151048	
3.	BOOKED TO	SSE/C&W/HUBLI					
4.	Tare Weight of Coach	0					
5.	Carrying Capacity	Seating	NIL	Sleeping	NIL	Luggage	NIL
6.	6.1	Leading Dimensions:					
	i)	Maximum height above rail to top of roof ventilator			4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN)		
	ii)	Maximum length over Body			21337 ± 10		
	iii)	Maximum length over Buffer			22297 ± 15		
	iv)	Maximum width over Body			3245 ± 5		
	v)	Maximum width over Flasher lighth			3402 +0/-5		
	vi)	CBC/Buffer/Shaku Coupler Height	Specified: 1104 +0/-10 mm (1035 +0/-5 mm for shaku coupler)		1030	1035	
	vii)	CBC/Buffer/Shaku Coupler (Make)			SANROK	SANROK	
	viii)	Draw Gear Make			---	---	
7.	Air Brake Testing:						
	Description				Specified		
	7.1	Emergency Application	Time for 0 to 36 Kg/cm ² of BC		Less than 05 Sec		
			Brake release time to reach 0.4 Kg/cm ²		Less than 20 Sec		
	7.2	Insensitivity	BP dipped @ 0.30 Kg/cm ² in 60 Sec		No brake application		
	7.3	Sensitivity	BP dipped @ 0.60 Kg/cm ² in 6 Sec		Brakes "ON"		
	7.4	Passenger alarm by pulling chain			BP Blasts out, Brakes "ON"		
	7.5	Piston stroke for BMBC type coach only			19 +10/-0 mm		
8.	Painting Details:						
			Type of Paint		Make	Average Gloss Value	
	8.1	Paint	PU PAINT		GS	85 / 85	
	8.2	Application of PCN-123	SATISFACTORY				
	8.3	Insulation	SATISFACTORY				
9.	Traceability of Furnishing Items:						
	1	BRAKE EQUIPMENT			WSF		
	2	FLOOR BOARD			SRI RAM, TWPL		
	3	PVC			RESPONSIVE		
	4	UIC VESTIBULES			KRP		
	5	WATER TANKS			RAIL FAB		
	6	SEAT & BEARTH			OVPL		
	7	LP SHEET			PL		
	8	LAVATORY DOORS			TWPL		
	9	BIO-TOILET			OMAX		
10.	10.1	Modification/ Trial (If any): NIL					
	10.2	Deviations (If any): NIL					



भारतीय रेलवे पटवर्ग

RAIL COACH FACTORY, KAPURTHALA

ROLLING STOCK CERTIFICATE (NON-LHB)

11.	Bogie Details:	Shell No.	Railway		Type		Coach No.		Dispatch Date		
		7038	SWR		MEMUTC AS		151048		09-NOV-17		
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt "a"										
11.2	Wheel & Axle Details:										
	i.	Bogie No.	174270				174271				
	ii.	Frame No.	ECBT-63				ECBT-30				
	iii.	Axle No.	6277		RWF-111720		2452		5191		
	iv.	Wheel Diameter	953.00	953.00	954.00	954.00	953.00	953.00	953.00	953.00	
	v.	Wheel Disc No.	25594-00338	25501-00332	25399-00297	22808-00592	12085-15263	25928-01441	12105-15265	69650-12212	
	vi.	RB Nos	X0812	W3110	S0351	S0340	Y3021	Y2985	W3127	W3141	
	vii.	RB Make	FAG		FAG		FAG		FAG		
	viii.	RB Type	Direct Mounted Spherical Roller Bearing								
11.3	Items traceability:										
	i.	Break Cylinder Make & No.			WSF-892,481			WSF-874,890			
	ii.	Secondary shock Absorber Make & NO.			IAI-183539,183397			IAI-183448,183365			
	iii.	Lateral Shock Absorber Make & NO.			IAI-183778,183825			IAI-183767,183676			
	iv.	Air Spring Make & NO.			RESISTO-NIL,0793			RESISTO-0748,0796			
11.4	i.	Modification/Trail(if any):			NIL						
	ii.	Deviations (if any):			NIL						

MEMUTC AS - 7038



आयुर्वेद पालेय

RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (NON-LHB)

(FORM NO. QMF 4254 VER.06)

1.	SHELL NO	7046	BOGIE NO	174274 / 174275	DISPATCH DATE	09-NOV-17	
2.	RAILWAY	SWR	TYPE OF COACH	MEMUTC AS	COACH NO	151045	
3.	BOOKED TO	SSE/C&W/HUBLI					
4.	Tare Weight of Coach	0					
5.	Carrying Capacity	Seating	NIL	Sleeping	NIL	Luggage	NIL
6.	6.1	Leading Dimensions:					
	i)	Maximum height above rail to top of roof ventilator			4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN)		
	ii)	Maximum length over Body			21337 ± 10		
	iii)	Maximum length over Buffer			22297 ± 15		
	iv)	Maximum width over Body			3245 ± 5		
	v)	Maximum width over Flasher lighth			3402 +0/-5		
	vi)	CBC/Buffer/Shaku Coupler Height	Specified: 1104 +0/-10 mm (1035 +0/-5 mm for shaku coupler)		1035	1035	
	vii)	CBC/Buffer/Shaku Coupler (Make)			ESCORTS	ESCORTS	
	viii)	Draw Gear Make			---	---	
7.	Air Brake Testing:						
	Description				Specified		
	7.1	Emergency Application	Time for 0 to 36 Kg/cm ² of BC		Less than 05 Sec		
			Brake release time to reach 0.4 Kg/cm ²		Less than 20 Sec		
	7.2	Insensitivity	BP dipped @ 0.30 Kg/cm ² in 60 Sec		No brake application		
	7.3	Sensitivity	BP dipped @ 0.60 Kg/cm ² in 6 Sec		Brakes "ON"		
	7.4	Passenger alarm by pulling chain			BP Blasts out, Brakes "ON"		
	7.5	Piston stroke for BMBC type coach only			19 +10/-0 mm		
8.	Painting Details:						
			Type of Paint		Make	Average Gloss Value	
	8.1	Paint	PU PAINT		GS	85 / 85	
	8.2	Application of PCN-123	SATISFACTORY				
	8.3	Insulation	SATISFACTORY				
9.	Traceability of Furnishing Items:						
	1	BRAKE EQUIPMENT			WSF		
	2	FLOOR BOARD			TWPL		
	3	PVC			RESPONSIVE		
	4	UIC VESTIBULES			KRP		
	5	WATER TANKS			RAIL FAB		
	6	SEAT & BEARTH			OVPL		
	7	LP SHEET			PL		
	8	LAVATORY DOORS			TWPL		
	9	BIO-TOILET			MRC		
10.	10.1	Modification/ Trial (If any): NIL					
	10.2	Deviations (If any): NIL					



भारतीय रेलवे कारखाना

RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (NON-LHB)

11.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date			
			7046	SWR	MEMUTC AS	151045	09-NOV-17			
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt "a"									
11.2	Wheel & Axle Details:									
	i.	Bogie No.	174274				174275			
	ii.	Frame No.	ECBT-77				ECBT-79			
	iii.	Axle No.	2807		J-9096		4461		V-6237	
	iv.	Wheel Diameter	953.00	953.00	953.00	953.00	953.00	953.00	953.00	953.00
	v.	Wheel Disc No.	22882-00781	25339-01348	25114-01238	22724-00592	25321-01348	28150-01743	11636-15074	11736-15097
	vi.	RB Nos	X0439	T2481	X0396	X0437	X0023	X0444	X0459	X0458
	vii.	RB Make	FAG		FAG		FAG		FAG	
	viii.	RB Type	Direct Mounted Spherical Roller Bearing							
11.3	Items traceability:									
	i.	Break Cylinder Make & No.	WSF-426,429				WSF-425,428			
	ii.	Secondary shock Absorber Make & NO.	IAI-183497,183352				IAI-183466,183436			
	iii.	Lateral Shock Absorber Make & NO.	IAI-183746,183568				IAI-183858,183694			
	iv.	Air Spring Make & NO.	RESISTO-0860,0777				RESISTO-0787,0769			
11.4	i.	Modification/Trail(if any):	NIL							
	ii.	Deviations (if any):	NIL							

MEMUTC AS - 7046



आयुर्वेद पालेय

RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (NON-LHB)

(FORM NO. QMF 4254 VER.06)

1.	SHELL NO	7013	BOGIE NO	174240 / 174241	DISPATCH DATE	16-NOV-17	
2.	RAILWAY	SWR	TYPE OF COACH	MEMUTC AS	COACH NO	151059	
3.	BOOKED TO	SSE/C&W/HUBLI					
4.	Tare Weight of Coach	0					
5.	Carrying Capacity	Seating	NIL	Sleeping	NIL	Luggage	NIL
6.	6.1	Leading Dimensions:					
	i)	Maximum height above rail to top of roof ventilator			4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN)		
	ii)	Maximum length over Body			21337 ± 10		
	iii)	Maximum length over Buffer			22297 ± 15		
	iv)	Maximum width over Body			3245 ± 5		
	v)	Maximum width over Flasher lighth			3402 +0/-5		
	vi)	CBC/Buffer/Shaku Coupler Height	Specified: 1104 +0/-10 mm (1035 +0/-5 mm for shaku coupler)		1035	1035	
	vii)	CBC/Buffer/Shaku Coupler (Make)			ESCORTS	ESCORTS	
	viii)	Draw Gear Make			---	---	
7.	Air Brake Testing:						
	Description				Specified		
	7.1	Emergency Application	Time for 0 to 36 Kg/cm ² of BC		Less than 05 Sec		
			Brake release time to reach 0.4 Kg/cm ²		Less than 20 Sec		
	7.2	Insensitivity	BP dipped @ 0.30 Kg/cm ² in 60 Sec		No brake application		
	7.3	Sensitivity	BP dipped @ 0.60 Kg/cm ² in 6 Sec		Brakes "ON"		
	7.4	Passenger alarm by pulling chain			BP Blasts out, Brakes "ON"		
	7.5	Piston stroke for BMBC type coach only			19 +10/-0 mm		
8.	Painting Details:						
			Type of Paint		Make	Average Gloss Value	
	8.1	Paint	PU PAINT		VIBGYOR	85 / 85	
	8.2	Application of PCN-123	SATISFACTORY				
	8.3	Insulation	SATISFACTORY				
9.	Traceability of Furnishing Items:						
	1	BRAKE EQUIPMENT			KBI		
	2	FLOOR BOARD			TWPL		
	3	PVC			RESPONSIVE		
	4	UIC VESTIBULES			ELASTOMER		
	5	WATER TANKS			RAIL FAB		
	6	SEAT & BEARTH			OVPL		
	7	LP SHEET			PL		
	8	LAVATORY DOORS			TWPL		
	9	BIO-TOILET			OMAX		
10.	10.1	Modification/ Trial (If any): NIL					
	10.2	Deviations (If any): NIL					



भारतीय रेलवे कारखाना
RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (NON-LHB)

11.	Bogie Details:		Shell No.	Railway	Type		Coach No.		Dispatch Date		
			7013	SWR	MEMUTC AS		151059		16-NOV-17		
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt "a"										
11.2	Wheel & Axle Details:										
	i.	Bogie No.	174240				174241				
	ii.	Frame No.	ECBT-49				ECBT-51				
	iii.	Axle No.	K-6972		V-6291		M-7808		S-8540		
	iv.	Wheel Diameter	954.00	954.00	954.50	954.50	954.00	954.00	954.00	954.00	
	v.	Wheel Disc No.	22091-940	22076-946	22198-939	22156-938	22200-939	22104-938	22339-917	22197-938	
	vi.	RB Nos	J1939	J1937	J1784	J1500	J1800	J1813	J1788	J1785	
	vii.	RB Make	NBC		NBC		NBC		NBC		
	viii.	RB Type	Direct Mounted Spherical Roller Bearing								
11.3	Items traceability:										
	i.	Break Cylinder Make & No.			WSF-273,317			WSF-288,284			
	ii.	Secondary shock Absorber Make & NO.			IAI-183355,183422			IAI-183535,183476			
	iii.	Lateral Shock Absorber Make & NO.			IAI-183611,183657			IAI-183666,183853			
	iv.	Air Spring Make & NO.			RESISTO-0791,0871			RESISTO-1210,1168			
11.4	i.	Modification/Trail(if any):			NIL						
	ii.	Deviations (if any):			NIL						

MEMUTC AS - 7013



आर्य समाज पालिका

RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (NON-LHB)

(FORM NO. QMF 4254 VER.06)

1.	SHELL NO	7014	BOGIE NO	174244 / 174245	DISPATCH DATE	16-NOV-17	
2.	RAILWAY	SWR	TYPE OF COACH	MEMUTC AS	COACH NO	151058	
3.	BOOKED TO	SSE/C&W/HOBLI					
4.	Tare Weight of Coach	0					
5.	Carrying Capacity	Seating	NIL	Sleeping	NIL	Luggage	NIL
6.	6.1	Leading Dimensions:					
	i)	Maximum height above rail to top of roof ventilator			4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN)		
	ii)	Maximum length over Body			21337 ± 10		
	iii)	Maximum length over Buffer			22297 ± 15		
	iv)	Maximum width over Body			3245 ± 5		
	v)	Maximum width over Flasher lighth			3402 +0/-5		
	vi)	CBC/Buffer/Shaku Coupler Height	Specified: 1104 +0/-10 mm (1035 +0/-5 mm for shaku coupler)		1035	1035	
	vii)	CBC/Buffer/Shaku Coupler (Make)			ESCORTS	ESCORTS	
	viii)	Draw Gear Make			ESCORTS	ESCORTS	
7.	Air Brake Testing:						
	Description				Specified		
	7.1	Emergency Application	Time for 0 to 36 Kg/cm ² of BC		Less than 05 Sec		
			Brake release time to reach 0.4 Kg/cm ²		Less than 20 Sec		
	7.2	Insensitivity	BP dipped @ 0.30 Kg/cm ² in 60 Sec		No brake application		
	7.3	Sensitivity	BP dipped @ 0.60 Kg/cm ² in 6 Sec		Brakes "ON"		
	7.4	Passenger alarm by pulling chain			BP Blasts out, Brakes "ON"		
	7.5	Piston stroke for BMBC type coach only			19 +10/-0 mm		
8.	Painting Details:						
			Type of Paint		Make	Average Gloss Value	
	8.1	Paint	PU PAINT		VIBGYOR	85 / 85	
	8.2	Application of PCN-123	SATISFACTORY				
	8.3	Insulation	SATISFACTORY				
9.	Traceability of Furnishing Items:						
	1	BRAKE EQUIPMENT			WSF		
	2	FLOOR BOARD			TWPL		
	3	PVC			RESPONSIVE		
	4	UIC VESTIBULES			KRP		
	5	WATER TANKS			RAIL FAB		
	6	SEAT & BEARTH			OVPL		
	7	LP SHEET			PL		
	8	LAVATORY DOORS			TWPL		
	9	BIO-TOILET			OMAX		
10.	10.1	Modification/ Trial (If any): NIL					
	10.2	Deviations (If any): NIL					



भारतीय रेलवे कारखाना
RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (NON-LHB)

11.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date			
			7014	SWR	MEMUTC AS	151058	16-NOV-17			
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt "a"									
11.2	Wheel & Axle Details:									
	i.	Bogie No.	174244				174245			
	ii.	Frame No.	ASR-22				ECBT-38			
	iii.	Axle No.	1930		3557		K-5302		3584	
	iv.	Wheel Diameter	953.00	953.00	954.00	954.00	954.00	954.00	954.00	954.00
	v.	Wheel Disc No.	22766-00592	25013-01280	22583-00562	12557-70028	13088-15452	12212-69635	25351-01348	22785-08592
	vi.	RB Nos	Y3039	Y2035	Y3024	Y3064	Y1790	Y1811	Y1472	Y1992
	vii.	RB Make	FAG		FAG		FAG		FAG	
	viii.	RB Type	Direct Mounted Spherical Roller Bearing							
11.3	Items traceability:									
	i.	Break Cylinder Make & No.	WSF-313,275				WSF-316,283			
	ii.	Secondary shock Absorber Make & NO.	IAI-183505,183530				IAI-183521,183464			
	iii.	Lateral Shock Absorber Make & NO.	IAI-183742,183687				IAI-183834,183567			
	iv.	Air Spring Make & NO.	RESISTO-1227,1134				RESISTO-0823,0836			
11.4	i.	Modification/Trail(if any):	NIL							
	ii.	Deviations (if any):	NIL							

MEMUTC AS - 7014



आयुर्वेद पाली

RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (NON-LHB)

(FORM NO. QMF 4254 VER.06)

1.	SHELL NO	7023	BOGIE NO	174268 / 174282	DISPATCH DATE	16-NOV-17	
2.	RAILWAY	SWR	TYPE OF COACH	MEMUTC AS	COACH NO	151042	
3.	BOOKED TO	SSE/C&W/HUBLI					
4.	Tare Weight of Coach	0					
5.	Carrying Capacity	Seating	NIL	Sleeping	NIL	Luggage	NIL
6.	6.1	Leading Dimensions:					
	i)	Maximum height above rail to top of roof ventilator			4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN)		
	ii)	Maximum length over Body			21337 ± 10		
	iii)	Maximum length over Buffer			22297 ± 15		
	iv)	Maximum width over Body			3245 ± 5		
	v)	Maximum width over Flasher lighth			3402 +0/-5		
	vi)	CBC/Buffer/Shaku Coupler Height	Specified: 1104 +0/-10 mm (1035 +0/-5 mm for shaku coupler)		1035	1035	
	vii)	CBC/Buffer/Shaku Coupler (Make)			ESCORTS	ESCORTS	
	viii)	Draw Gear Make			---	---	
7.	Air Brake Testing:						
	Description				Specified		
	7.1	Emergency Application	Time for 0 to 36 Kg/cm ² of BC		Less than 05 Sec		
			Brake release time to reach 0.4 Kg/cm ²		Less than 20 Sec		
	7.2	Insensitivity	BP dipped @ 0.30 Kg/cm ² in 60 Sec		No brake application		
	7.3	Sensitivity	BP dipped @ 0.60 Kg/cm ² in 6 Sec		Brakes "ON"		
	7.4	Passenger alarm by pulling chain			BP Blasts out, Brakes "ON"		
	7.5	Piston stroke for BMBC type coach only			19 +10/-0 mm		
8.	Painting Details:						
			Type of Paint		Make	Average Gloss Value	
	8.1	Paint	PU PAINT		GS	85 / 85	
	8.2	Application of PCN-123	SATISFACTORY				
	8.3	Insulation	SATISFACTORY				
9.	Traceability of Furnishing Items:						
	1	BRAKE EQUIPMENT			WSF		
	2	FLOOR BOARD			TWPL		
	3	PVC			RESPONSIVE		
	4	UIC VESTIBULES			ELASTOMER		
	5	WATER TANKS			RAIL FAB, RUBICONE		
	6	SEAT & BEARTH			OVPL		
	7	LP SHEET			PL		
	8	LAVATORY DOORS			TWPL		
	9	BIO-TOILET			MRC		
10.	10.1	Modification/ Trial (If any): NIL					
	10.2	Deviations (If any): NIL					



भारतीय रेलवे पटवर्ग

RAIL COACH FACTORY, KAPURTHALA

ROLLING STOCK CERTIFICATE (NON-LHB)

11.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date			
			7023	SWR	MEMUTC AS	151042	16-NOV-17			
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt "a"									
11.2	Wheel & Axle Details:									
	i.	Bogie No.	174268				174282			
	ii.	Frame No.	ECBT-59				ECBT-20			
	iii.	Axle No.	2829		P - 3202		4498		K - 6828	
	iv.	Wheel Diameter	953.00	953.00	954.00	954.00	954.00	954.00	954.00	954.00
	v.	Wheel Disc No.	28154-01743	25257-01287	16949-20624	25615-00338	24844-01093	20625-16949	25771-01377	24989-01280
	vi.	RB Nos	S0331	X0669	S0312	S0343	Y2987	Y2871	Y2986	Y2958
	vii.	RB Make	FAG		FAG		FAG		FAG	
	viii.	RB Type	Direct Mounted Spherical Roller Bearing							
11.3	Items traceability:									
	i.	Break Cylinder Make & No.	WSF-432,480				WSF-400,261			
	ii.	Secondary shock Absorber Make & NO.	IAI-183426,183490				IAI-183389,183506			
	iii.	Lateral Shock Absorber Make & NO.	IAI-183812,183826				IAI-183691,183633			
	iv.	Air Spring Make & NO.	RESISTO-0813,0750				RESISTO-0785,0749			
11.4	i.	Modification/Trail(if any):	NIL							
	ii.	Deviations (if any):	NIL							

MEMUTC AS - 7023



आयुर्वेद पाली

RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (NON-LHB)

(FORM NO. QMF 4254 VER.06)

1.	SHELL NO	7040	BOGIE NO	174260 / 174294	DISPATCH DATE	16-NOV-17	
2.	RAILWAY	SWR	TYPE OF COACH	MEMUTC AS	COACH NO	151054	
3.	BOOKED TO	SSE/C&W/HUBLI					
4.	Tare Weight of Coach	0					
5.	Carrying Capacity	Seating	NIL	Sleeping	NIL	Luggage	NIL
6.	6.1	Leading Dimensions:					
	i)	Maximum height above rail to top of roof ventilator			4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN)		
	ii)	Maximum length over Body			21337 ± 10		
	iii)	Maximum length over Buffer			22297 ± 15		
	iv)	Maximum width over Body			3245 ± 5		
	v)	Maximum width over Flasher lighth			3402 +0/-5		
	vi)	CBC/Buffer/Shaku Coupler Height	Specified: 1104 +0/-10 mm (1035 +0/-5 mm for shaku coupler)		1035	1035	
	vii)	CBC/Buffer/Shaku Coupler (Make)			ESCORTS	ESCORTS	
	viii)	Draw Gear Make			---	---	
7.	Air Brake Testing:						
	Description				Specified		
	7.1	Emergency Application	Time for 0 to 36 Kg/cm2 of BC		Less than 05 Sec		
			Brake release time to reach 0.4 Kg/cm2		Less than 20 Sec		
	7.2	Insensitivity	BP dipped @ 0.30 Kg/cm2 in 60 Sec		No brake application		
	7.3	Sensitivity	BP dipped @ 0.60 Kg/cm2 in 6 Sec		Brakes "ON"		
	7.4	Passenger alarm by pulling chain			BP Blasts out, Brakes "ON"		
	7.5	Piston stroke for BMBC type coach only			19 +10/-0 mm		
8.	Painting Details:						
			Type of Paint		Make	Average Gloss Value	
	8.1	Paint	PU PAINT		GS	85 / 85	
	8.2	Application of PCN-123	SATISFACTORY				
	8.3	Insulation	SATISFACTORY				
9.	Traceability of Furnishing Items:						
	1	BRAKE EQUIPMENT			ESCORTS		
	2	FLOOR BOARD			TWPL		
	3	PVC			RESPONSIVE		
	4	UIC VESTIBULES			ELASTOMER		
	5	WATER TANKS			RAIL FAB		
	6	SEAT & BEARTH			OVPL		
	7	LP SHEET			PL		
	8	LAVATORY DOORS			TWPL		
	9	BIO-TOILET			MRC		
10.	10.1	Modification/ Trial (If any): NIL					
	10.2	Deviations (If any): NIL					



भारतीय रेलवे कारखाना
RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (NON-LHB)

11.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date			
			7040	SWR	MEMUTC AS	151054	16-NOV-17			
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt "a"									
11.2	Wheel & Axle Details:									
	i.	Bogie No.	174260				174294			
	ii.	Frame No.	ECBT-26				ECBT-80			
	iii.	Axle No.	V-6845		4283		2127		2109	
	iv.	Wheel Diameter	953.00	953.00	953.00	953.00	953.00	953.00	953.00	953.00
	v.	Wheel Disc No.	25112-01238	25113-01238	25957-01441	25940-01441	12293-15343	20628-16949	12253-15343	14933-11467
	vi.	RB Nos	T2500	S0376	X0469	S0332	X0531	X0033	W3018	X0088
	vii.	RB Make	FAG		FAG		FAG		FAG	
	viii.	RB Type	Direct Mounted Spherical Roller Bearing							
11.3	Items traceability:									
	i.	Break Cylinder Make & No.			WSF-300,286			AJTECH-2127,2330		
	ii.	Secondary shock Absorber Make & NO.			IAI-183468,183380			IAI-185330,185349		
	iii.	Lateral Shock Absorber Make & NO.			IAI-183587,183710			IAI-183744,183752		
	iv.	Air Spring Make & NO.			RESISTO-797,0803			RESISTO-1113,1116		
11.4	i.	Modification/Trail(if any):			NIL					
	ii.	Deviations (if any):			NIL					

MEMUTC AS - 7040



आर्वा रोलिंग स्टॉक प्रमाणपत्र

RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (NON-LHB)

(FORM NO. QMF 4254 VER.06)

1.	SHELL NO	7055	BOGIE NO	174278 / 174279	DISPATCH DATE	16-NOV-17	
2.	RAILWAY	SWR	TYPE OF COACH	MEMUTC AS	COACH NO	151050	
3.	BOOKED TO	SSE/C&W/HUBLI					
4.	Tare Weight of Coach	0					
5.	Carrying Capacity	Seating	NIL	Sleeping	NIL	Luggage	NIL
6.	6.1	Leading Dimensions:					
	i)	Maximum height above rail to top of roof ventilator			4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN)		
	ii)	Maximum length over Body			21337 ± 10		
	iii)	Maximum length over Buffer			22297 ± 15		
	iv)	Maximum width over Body			3245 ± 5		
	v)	Maximum width over Flasher lighth			3402 +0/-5		
	vi)	CBC/Buffer/Shaku Coupler Height	Specified: 1104 +0/-10 mm (1035 +0/-5 mm for shaku coupler)		1035	1035	
	vii)	CBC/Buffer/Shaku Coupler (Make)			SANROK	SANROK	
	viii)	Draw Gear Make			---	---	
7.	Air Brake Testing:						
	Description				Specified		
	7.1	Emergency Application	Time for 0 to 36 Kg/cm ² of BC		Less than 05 Sec		
			Brake release time to reach 0.4 Kg/cm ²		Less than 20 Sec		
	7.2	Insensitivity	BP dipped @ 0.30 Kg/cm ² in 60 Sec		No brake application		
	7.3	Sensitivity	BP dipped @ 0.60 Kg/cm ² in 6 Sec		Brakes "ON"		
	7.4	Passenger alarm by pulling chain			BP Blasts out, Brakes "ON"		
	7.5	Piston stroke for BMBC type coach only			19 +10/-0 mm		
8.	Painting Details:						
			Type of Paint		Make	Average Gloss Value	
	8.1	Paint	PU PAINT		GS	85 / 85	
	8.2	Application of PCN-123	SATISFACTORY				
	8.3	Insulation	SATISFACTORY				
9.	Traceability of Furnishing Items:						
	1	BRAKE EQUIPMENT			WSF		
	2	FLOOR BOARD			TWPL		
	3	PVC			RESPONSIVE		
	4	UIC VESTIBULES			KRP		
	5	WATER TANKS			RAIL FAB		
	6	SEAT & BEARTH			OVPL		
	7	LP SHEET			PL		
	8	LAVATORY DOORS			TWPL		
	9	BIO-TOILET			OMAX		
10.	10.1	Modification/ Trial (If any): NIL					
	10.2	Deviations (If any): NIL					



भारतीय रेलवे पटवर्ग

RAIL COACH FACTORY, KAPURTHALA

ROLLING STOCK CERTIFICATE (NON-LHB)

11.	Bogie Details:		Shell No.	Railway		Type		Coach No.		Dispatch Date	
			7055	SWR		MEMUTC AS		151050		16-NOV-17	
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt "a"										
11.2	Wheel & Axle Details:										
	i.	Bogie No.	174278				174279				
	ii.	Frame No.	ECBT-64				ECBT-69				
	iii.	Axle No.	M-9716		8613		4442		S-2700		
	iv.	Wheel Diameter	953.00	953.00	953.00	953.00	954.00	954.00	954.00	954.00	
	v.	Wheel Disc No.	25589-00338	20619-16949	22777-00592	22733-00592	69696-12212	25990-01441	25401-00297	22779-00592	
	vi.	RB Nos	S0088	X0649	W3270	W3113	W3125	Y2946	W3126	W3138	
	vii.	RB Make	FAG		FAG		FAG		FAG		
	viii.	RB Type	Direct Mounted Spherical Roller Bearing								
11.3	Items traceability:										
	i.	Break Cylinder Make & No.			WSF-869,385			WSF-387,366			
	ii.	Secondary shock Absorber Make & NO.			IAI-183873,183891			IAI-183903,183922			
	iii.	Lateral Shock Absorber Make & NO.			IAI-183593,183615			IAI-NIL			
	iv.	Air Spring Make & NO.			RESISTO-0856,0766			RESISTO-0843,0802			
11.4	i.	Modification/Trail(if any):			NIL						
	ii.	Deviations (if any):			NIL						

MEMUTC AS - 7055



आर्वा रॉड P G a l E e U e

RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (NON-LHB)

(FORM NO. QMF 4254 VER.06)

1.	SHELL NO	7047	BOGIE NO	174295 / 174296	DISPATCH DATE	24-NOV-17	
2.	RAILWAY	SWR	TYPE OF COACH	MEMUTC AS	COACH NO	151055	
3.	BOOKED TO	SSE/C&W/HUBLI					
4.	Tare Weight of Coach	0					
5.	Carrying Capacity	Seating	NIL	Sleeping	NIL	Luggage	NIL
6.	6.1	Leading Dimensions:					
	i)	Maximum height above rail to top of roof ventilator			4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN)		
	ii)	Maximum length over Body			21337 ± 10		
	iii)	Maximum length over Buffer			22297 ± 15		
	iv)	Maximum width over Body			3245 ± 5		
	v)	Maximum width over Flasher lighth			3402 +0/-5		
	vi)	CBC/Buffer/Shaku Coupler Height	Specified: 1104 +0/-10 mm (1035 +0/-5 mm for shaku coupler)		1035	1035	
	vii)	CBC/Buffer/Shaku Coupler (Make)			SANROK	ESCORTS	
	viii)	Draw Gear Make			---	---	
7.	Air Brake Testing:						
	Description				Specified		
	7.1	Emergency Application	Time for 0 to 36 Kg/cm ² of BC		Less than 05 Sec		
			Brake release time to reach 0.4 Kg/cm ²		Less than 20 Sec		
	7.2	Insensitivity	BP dipped @ 0.30 Kg/cm ² in 60 Sec		No brake application		
	7.3	Sensitivity	BP dipped @ 0.60 Kg/cm ² in 6 Sec		Brakes "ON"		
	7.4	Passenger alarm by pulling chain			BP Blasts out, Brakes "ON"		
	7.5	Piston stroke for BMBC type coach only			19 +10/-0 mm		
8.	Painting Details:						
			Type of Paint		Make	Average Gloss Value	
	8.1	Paint	PU PAINT		VIBGYOR	85 / 85	
	8.2	Application of PCN-123	SATISFACTORY				
	8.3	Insulation	SATISFACTORY				
9.	Traceability of Furnishing Items:						
	1	BRAKE EQUIPMENT			ESCORTS		
	2	FLOOR BOARD			TWPL		
	3	PVC			RESPONSIVE		
	4	UIC VESTIBULES			ELASTOMER		
	5	WATER TANKS			RAIL FAB		
	6	SEAT & BEARTH			OVPL		
	7	LP SHEET			PL		
	8	LAVATORY DOORS			TWPL		
	9	BIO-TOILET			MRC		
10.	10.1	Modification/ Trial (If any): NIL					
	10.2	Deviations (If any): NIL					



भारतीय रेलवे कारखाना
RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (NON-LHB)

11.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date			
			7047	SWR	MEMUTC AS	151055	24-NOV-17			
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt "a"									
11.2	Wheel & Axle Details:									
	i.	Bogie No.	174295				174296			
	ii.	Frame No.	ECBT-81				ECBT-84			
	iii.	Axle No.	1844		1849		5684		1629	
	iv.	Wheel Diameter	953.00	953.00	954.00	954.00	954.00	954.00	954.00	954.00
	v.	Wheel Disc No.	12250-15343	12268-15343	61845-10551	61788-10551	69999-12084	46962-4004K	16949-20626	57460-12036
	vi.	RB Nos	X0062	X0819	V0824	V0783	E2304	E2024	E2318	E2285
	vii.	RB Make	FAG		FAG		NBC		NBC	
	viii.	RB Type	Direct Mounted Spherical Roller Bearing							
11.3	Items traceability:									
	i.	Break Cylinder Make & No.			AJTECH-2256,2243			AJTECH-2322,2337		
	ii.	Secondary shock Absorber Make & NO.			IAI-185379,185370			IAI-185426,185326		
	iii.	Lateral Shock Absorber Make & NO.			IAI-183808,183878			IAI-183564,183599		
	iv.	Air Spring Make & NO.			RESISTO-1208,1211			RESISTO-1126,1127		
11.4	i.	Modification/Trail(if any):			NIL					
	ii.	Deviations (if any):			NIL					

MEMUTC AS - 7047



आर्वा रेलवे कार्गो

RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (NON-LHB)

(FORM NO. QMF 4254 VER.06)

1.	SHELL NO	7048	BOGIE NO	174300 / 174301	DISPATCH DATE	24-NOV-17	
2.	RAILWAY	SWR	TYPE OF COACH	MEMUTC AS	COACH NO	151057	
3.	BOOKED TO	SSE/C&W/HUBLI					
4.	Tare Weight of Coach	0					
5.	Carrying Capacity	Seating	NIL	Sleeping	NIL	Luggage	NIL
6.	6.1	Leading Dimensions:					
	i)	Maximum height above rail to top of roof ventilator			4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN)		
	ii)	Maximum length over Body			21337 ± 10		
	iii)	Maximum length over Buffer			22297 ± 15		
	iv)	Maximum width over Body			3245 ± 5		
	v)	Maximum width over Flasher lighth			3402 +0/-5		
	vi)	CBC/Buffer/Shaku Coupler Height	Specified: 1104 +0/-10 mm (1035 +0/-5 mm for shaku coupler)		1035	1035	
	vii)	CBC/Buffer/Shaku Coupler (Make)			SANROK	ESCORTS	
	viii)	Draw Gear Make			---	---	
7.	Air Brake Testing:						
	Description				Specified		
	7.1	Emergency Application	Time for 0 to 36 Kg/cm ² of BC		Less than 05 Sec		
			Brake release time to reach 0.4 Kg/cm ²		Less than 20 Sec		
	7.2	Insensitivity	BP dipped @ 0.30 Kg/cm ² in 60 Sec		No brake application		
	7.3	Sensitivity	BP dipped @ 0.60 Kg/cm ² in 6 Sec		Brakes "ON"		
	7.4	Passenger alarm by pulling chain			BP Blasts out, Brakes "ON"		
	7.5	Piston stroke for BMBC type coach only			19 +10/-0 mm		
8.	Painting Details:						
			Type of Paint		Make	Average Gloss Value	
	8.1	Paint	PU PAINT		VIBGYOR	85 / 85	
	8.2	Application of PCN-123	SATISFACTORY				
	8.3	Insulation	SATISFACTORY				
9.	Traceability of Furnishing Items:						
	1	BRAKE EQUIPMENT			WSF		
	2	FLOOR BOARD			TWPL		
	3	PVC			RESPONSIVE		
	4	UIC VESTIBULES			ELASTOMER		
	5	WATER TANKS			RAIL FAB		
	6	SEAT & BEARTH			OVPL		
	7	LP SHEET			PL		
	8	LAVATORY DOORS			TWPL		
	9	BIO-TOILET			MRC		
10.	10.1	Modification/ Trial (If any): NIL					
	10.2	Deviations (If any): NIL					



भारतीय रेलवे कार्गो

RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (NON-LHB)

11.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date			
			7048	SWR	MEMUTC AS	151057	24-NOV-17			
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt "a"									
11.2	Wheel & Axle Details:									
	i.	Bogie No.	174300				174301			
	ii.	Frame No.	ECBT-83				ECBT-87			
	iii.	Axle No.	6240		4385		4166		4460	
	iv.	Wheel Diameter	953.00	953.00	953.00	953.00	953.00	953.00	953.00	953.00
	v.	Wheel Disc No.	15343-12287	46830-4004K	25117-01238	01675-12713	25111-01238	02358-12860	12751-01888	25991-01441
	vi.	RB Nos	X0530	X0036	X0028	X0521	X0506	X0051	Y3073	X0655
	vii.	RB Make	FAG		FAG		FAG		FAG	
	viii.	RB Type	Direct Mounted Spherical Roller Bearing							
11.3	Items traceability:									
	i.	Break Cylinder Make & No.			AJTECH-2263,2117			AJTECH-2312,2124		
	ii.	Secondary shock Absorber Make & NO.			IAI-185288,185394			IAI-185252,185422		
	iii.	Lateral Shock Absorber Make & NO.			IAI-184983,185239			IAI-183861,183678		
	iv.	Air Spring Make & NO.			RESISTO-1174,1178			RESISTO-1133,1151		
11.4	i.	Modification/Trail(if any):			NIL					
	ii.	Deviations (if any):			NIL					

MEMUTC AS - 7048



आर्य समाज पालिका

RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (NON-LHB)

(FORM NO. QMF 4254 VER.06)

1.	SHELL NO	7061	BOGIE NO	174297 / 174298	DISPATCH DATE	24-NOV-17	
2.	RAILWAY	SWR	TYPE OF COACH	MEMUTC AS	COACH NO	151056	
3.	BOOKED TO	SSE/C&W/HUBLI					
4.	Tare Weight of Coach	0					
5.	Carrying Capacity	Seating	NIL	Sleeping	NIL	Luggage	NIL
6.	6.1	Leading Dimensions:					
	i)	Maximum height above rail to top of roof ventilator			4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN)		
	ii)	Maximum length over Body			21337 ± 10		
	iii)	Maximum length over Buffer			22297 ± 15		
	iv)	Maximum width over Body			3245 ± 5		
	v)	Maximum width over Flasher lighth			3402 +0/-5		
	vi)	CBC/Buffer/Shaku Coupler Height	Specified: 1104 +0/-10 mm (1035 +0/-5 mm for shaku coupler)		1030	1035	
	vii)	CBC/Buffer/Shaku Coupler (Make)			ESCORTS	ESCORTS	
	viii)	Draw Gear Make			---	---	
7.	Air Brake Testing:						
	Description				Specified		
	7.1	Emergency Application	Time for 0 to 36 Kg/cm ² of BC		Less than 05 Sec		
			Brake release time to reach 0.4 Kg/cm ²		Less than 20 Sec		
	7.2	Insensitivity	BP dipped @ 0.30 Kg/cm ² in 60 Sec		No brake application		
	7.3	Sensitivity	BP dipped @ 0.60 Kg/cm ² in 6 Sec		Brakes "ON"		
	7.4	Passenger alarm by pulling chain			BP Blasts out, Brakes "ON"		
	7.5	Piston stroke for BMBC type coach only			19 +10/-0 mm		
8.	Painting Details:						
			Type of Paint		Make	Average Gloss Value	
	8.1	Paint	PU PAINT		GS	85 / 85	
	8.2	Application of PCN-123	SATISFACTORY				
	8.3	Insulation	SATISFACTORY				
9.	Traceability of Furnishing Items:						
	1	BRAKE EQUIPMENT			ESCORTS		
	2	FLOOR BOARD			TWPL		
	3	PVC			RESPONSIVE		
	4	UIC VESTIBULES			ELASTOMER		
	5	WATER TANKS			RAIL FAB		
	6	SEAT & BEARTH			OVPL		
	7	LP SHEET			PL		
	8	LAVATORY DOORS			TWPL		
	9	BIO-TOILET			OMAX		
10.	10.1	Modification/ Trial (If any): NIL					
	10.2	Deviations (If any): NIL					



भारतीय रेलवे कारखाना

RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (NON-LHB)

11.	Bogie Details:		Shell No.	Railway		Type		Coach No.		Dispatch Date	
			7061	SWR		MEMUTC AS		151056		24-NOV-17	
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt "a"										
11.2	Wheel & Axle Details:										
	i.	Bogie No.	174297				174298				
	ii.	Frame No.	ECBT-86				ECBT-88				
	iii.	Axle No.	5628		6230		8643		1140		
	iv.	Wheel Diameter	954.00	954.00	954.00	954.00	954.00	954.00	953.00	953.00	
	v.	Wheel Disc No.	61802-10551	13052-15452	69926-12084	69933-12084	59161-08282	69688-12212	25490-00332	12079-15265	
	vi.	RB Nos	X0729	V0804	V0823	V0757	X0730	V0785	X0040	X0813	
	vii.	RB Make	FAG		FAG		FAG		FAG		
	viii.	RB Type	Direct Mounted Spherical Roller Bearing								
11.3	Items traceability:										
	i.	Break Cylinder Make & No.			AJTECH-2317,2118			AJTECH-2123,2246			
	ii.	Secondary shock Absorber Make & NO.			IAI-185360,185364			IAI-185255,185366			
	iii.	Lateral Shock Absorber Make & NO.			IAI-NIL			IAI-NIL			
	iv.	Air Spring Make & NO.			RESISTO-1118,1149			RESISTO-1137,1154			
11.4	i.	Modification/Trail(if any):			NIL						
	ii.	Deviations (if any):			NIL						

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आर्वा रॉयल पालेयू

RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (NON-LHB)

(FORM NO. QMF 4254 VER.06)

1.	SHELL NO	7068	BOGIE NO	174280 / 174281	DISPATCH DATE	09-DEC-17	
2.	RAILWAY	SWR	TYPE OF COACH	MEMUTC AS	COACH NO	151046	
3.	BOOKED TO	SSE/C&W/HUBLI					
4.	Tare Weight of Coach	0					
5.	Carrying Capacity	Seating	NIL	Sleeping	NIL	Luggage	NIL
6.	6.1	Leading Dimensions:					
	i)	Maximum height above rail to top of roof ventilator			4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN)		
	ii)	Maximum length over Body			21337 ± 10		
	iii)	Maximum length over Buffer			22297 ± 15		
	iv)	Maximum width over Body			3245 ± 5		
	v)	Maximum width over Flasher lighth			3402 +0/-5		
	vi)	CBC/Buffer/Shaku Coupler Height	Specified: 1104 +0/-10 mm (1035 +0/-5 mm for shaku coupler)		1035	1035	
	vii)	CBC/Buffer/Shaku Coupler (Make)			ESCORTS	ESCORTS	
	viii)	Draw Gear Make			ESCORTS	ESCORTS	
7.	Air Brake Testing:						
	Description				Specified		
	7.1	Emergency Application	Time for 0 to 36 Kg/cm ² of BC		Less than 05 Sec		
			Brake release time to reach 0.4 Kg/cm ²		Less than 20 Sec		
	7.2	Insensitivity	BP dipped @ 0.30 Kg/cm ² in 60 Sec		No brake application		
	7.3	Sensitivity	BP dipped @ 0.60 Kg/cm ² in 6 Sec		Brakes "ON"		
	7.4	Passenger alarm by pulling chain			BP Blasts out, Brakes "ON"		
	7.5	Piston stroke for BMBC type coach only			19 +10/-0 mm		
8.	Painting Details:						
			Type of Paint		Make	Average Gloss Value	
	8.1	Paint	PU PAINT		GS	85 / 85	
	8.2	Application of PCN-123	SATISFACTORY				
	8.3	Insulation	SATISFACTORY				
9.	Traceability of Furnishing Items:						
	1	BRAKE EQUIPMENT			WSF		
	2	FLOOR BOARD			SRI RAM		
	3	PVC			RESPONSIVE		
	4	UIC VESTIBULES			KRP		
	5	WATER TANKS			RAIL FAB		
	6	SEAT & BEARTH			OVPL		
	7	LP SHEET			PL		
	8	LAVATORY DOORS			TWPL		
	9	BIO-TOILET			MRC		
10.	10.1	Modification/ Trial (If any): NIL					
	10.2	Deviations (If any): NIL					



भारतीय रेलवे कारखाना
RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (NON-LHB)

11.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date			
			7068	SWR	MEMUTC AS	151046	09-DEC-17			
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt "a"									
11.2	Wheel & Axle Details:									
	i.	Bogie No.	174280				174281			
	ii.	Frame No.	ECBT-74				ECBT-70			
	iii.	Axle No.	V-3101		4499		996		5604	
	iv.	Wheel Diameter	954.00	954.00	954.00	954.00	953.00	953.00	953.00	953.00
	v.	Wheel Disc No.	26011-01441	25477-00332	61831-10551	25986-01441	22865-00781	25996-01441	25971-01441	22791-00592
	vi.	RB Nos	Y2849	Y2876	W3196	Y2832	W3142	W3237	W3124	W3139
	vii.	RB Make	FAG		FAG		FAG		FAG	
	viii.	RB Type	Direct Mounted Spherical Roller Bearing							
11.3	Items traceability:									
	i.	Break Cylinder Make & No.	WSF-389,365				WSF-364,370			
	ii.	Secondary shock Absorber Make & NO.	IAI-183487,183582				IAI-183342,183479			
	iii.	Lateral Shock Absorber Make & NO.	IAI-183777,183783				IAI-183622,183784			
	iv.	Air Spring Make & NO.	RESISTO-0807,0827				RESISTO-0770,0795			
11.4	i.	Modification/Trail(if any):	NIL							
	ii.	Deviations (if any):	NIL							

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