



भारतीय रेलवे कार्गो

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

(FORM NO. QMF 4254 VER.06)

1.	SHELL NO	7052	BOGIE NO	185059 / 185060	DISPATCH DATE	14-MAR-18	
2.	RAILWAY	SWR	TYPE OF COACH	MEMUMC AS	COACH NO	150020	
3.	BOOKED TO	SSE/C&W/HUBLI					
4.	Tare Weight of Coach	61					
5.	Carrying Capacity	Seating	65	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	1104	
	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 <sup>2</sup> of BC		Less than 05 Sec		
			Brake release time to reach 0.4 Kg/cm <sup>2</sup>		Less than 20 Sec		
	7.2	Insensitivity	BP dipped @ 0.30 Kg/cm <sup>2</sup> in 60 Sec		No brake application		
	7.3	Sensitivity	BP dipped @ 0.60 Kg/cm <sup>2</sup> 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	FLOOR BOARD			TWPL		
	2	PVC			RESPONSIVE		
	3	BRAKE EQUIPMENT			KBI		
	4	UIC VESTIBULES			ELASTOMER		
	5	SEAT & BEARTH			CPF		
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	
			7052		SWR		MEMUMC AS		150020		14-MAR-18	
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt "a"											
11.2	Wheel & Axle Details:											
	i.	Bogie No.	185059					185060				
	ii.	Frame No.	ECBT-137					ECBT-230				
	iii.	Axle No.	C-3499		D-6761		D-6755		T-0908			
	iv.	Wheel Diameter	952.50	952.00	952.50	952.00	952.50	952.00	952.50	952.00		
	v.	Wheel Disc No.	27618-01491	27553-01491	25394-00297	25438-00297	31594-01921	28205-01795	31595-01921	31962-02281		
	vi.	RB Nos	P342	P347	P345	P309	P354	P348	P351	P343		
	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-K1076,K10279,K10807,K10584				PEW-10822,10780,10859,10793			
	ii.	Secondary shock Absorber Make & NO.			IAI-185485,185487				GABRIEL-229,482			
	iii.	Lateral Shock Absorber Make & NO.			GABRIEL-1271,1245				GABRIEL-522,524			
	iv.	Air Spring Make & NO.			TAYAL-037,065				TAYAL-200,196			
11.4	i.	Modification/Trail(if any):			NIL							
	ii.	Deviations (if any):			NIL							

MEMUMC AS - 7052



आर्य समाज पुराण

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

(FORM NO. QMF 4254 VER.06)

1.	SHELL NO	7061	BOGIE NO	185057 / 185058	DISPATCH DATE	14-MAR-18	
2.	RAILWAY	SWR	TYPE OF COACH	MEMUMC AS	COACH NO	150021	
3.	BOOKED TO	SSE/C&W/HUBLI					
4.	Tare Weight of Coach	61					
5.	Carrying Capacity	Seating	65	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 <sup>2</sup> of BC		Less than 05 Sec		
			Brake release time to reach 0.4 Kg/cm <sup>2</sup>		Less than 20 Sec		
	7.2	Insensitivity	BP dipped @ 0.30 Kg/cm <sup>2</sup> in 60 Sec		No brake application		
	7.3	Sensitivity	BP dipped @ 0.60 Kg/cm <sup>2</sup> 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		GS	85 / 86	
	8.2	Application of PCN-123	SATISFACTORY				
	8.3	Insulation	SATISFACTORY				
9.	Traceability of Furnishing Items:						
	1	FLOOR BOARD			TWPL		
	2	PVC			POLYMER		
	3	BRAKE EQUIPMENT			KBI		
	4	UIC VESTIBULES			KRP		
	5	SEAT & BEARTH			OVPL		
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			
			7061	SWR	MEMUMC AS	150021	14-MAR-18			
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt "a"									
11.2	Wheel & Axle Details:									
i.	Bogie No.	185057				185058				
ii.	Frame No.	ECBT-112				ECBT-109				
iii.	Axle No.	D-6809		Z-4702		D-6766		P-0305		
iv.	Wheel Diameter	952.00	952.00	952.00	952.00	952.00	952.00	952.00	952.00	
v.	Wheel Disc No.	25769-01377	28307-01795	28728-00368	31164-02215	28308-01795	26614-01491	31176-02215	31666-01921	
vi.	RB Nos	P122	P131	P052	P248	P031	P030	P037	P040	
vii.	RB Make	FAG		FAG		FAG		FAG		
viii.	RB Type	Direct Mounted Spherical Roller Bearing								
11.3	Items traceability:									
i.	Break Cylinder Make & No.			KOLLEY-K1113,K0982,K1062,K9118			KOLLEY-1029,1109,1066,0957			
ii.	Secondary shock Absorber Make & NO.			GABRIEL-105,109			IAI-185506,185479			
iii.	Lateral Shock Absorber Make & NO.			GABRIEL-1255,1250			GABRIEL-1304,1259			
iv.	Air Spring Make & NO.			TAYAL-043,041			TAYAL-054,048			
11.4	i.	Modification/Trail(if any):		NIL						
	ii.	Deviations (if any):		NIL						

MEMUMC AS - 7061



आयुर्वेद पत्रिका

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

(FORM NO. QMF 4254 VER.06)

1.	SHELL NO	<b>7064</b>	BOGIE NO	<b>185063 / 185064</b>	DISPATCH DATE	<b>17-MAR-18</b>	
2.	RAILWAY	<b>SWR</b>	TYPE OF COACH	<b>MEMUMC AS</b>	COACH NO	<b>150023</b>	
3.	BOOKED TO	<b>SSE/C&amp;W/HUBLI</b>					
4.	Tare Weight of Coach	<b>61</b>					
5.	Carrying Capacity	Seating	<b>65</b>	Sleeping	<b>NIL</b>	Luggage	<b>NIL</b>
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)		<b>1104</b>	<b>1035</b>	
	vii)	CBC/Buffer/Shaku Coupler (Make)			<b>SANROK</b>	<b>SANROK</b>	
	viii)	Draw Gear Make			<b>---</b>	<b>---</b>	
7.	Air Brake Testing:						
	Description				Specified		
	7.1	Emergency Application	Time for 0 to 36 Kg/cm <sup>2</sup> of BC		Less than 05 Sec		
			Brake release time to reach 0.4 Kg/cm <sup>2</sup>		Less than 20 Sec		
	7.2	Insensitivity	BP dipped @ 0.30 Kg/cm <sup>2</sup> in 60 Sec		No brake application		
	7.3	Sensitivity	BP dipped @ 0.60 Kg/cm <sup>2</sup> 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	<b>PU PAINT</b>		<b>GS</b>	<b>85 / 86</b>	
	8.2	Application of PCN-123	<b>SATISFACTORY</b>				
	8.3	Insulation	<b>SATISFACTORY</b>				
9.	Traceability of Furnishing Items:						
	1	<b>FLOOR BOARD</b>			<b>TWPL</b>		
	2	<b>PVC</b>			<b>RESPONSIVE</b>		
	3	<b>BRAKE EQUIPMENT</b>			<b>KBI</b>		
	4	<b>UIC VESTIBULES</b>			<b>KRP</b>		
	5	<b>SEAT &amp; BEARTH</b>			<b>OVPL</b>		
10.	10.1	<b>Modification/ Trial (If any): NIL</b>					
	10.2	<b>Deviations (If any): NIL</b>					



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

11.	Bogie Details:	Shell No.	Railway		Type		Coach No.		Dispatch Date		
		7064	SWR		MEMUMC AS		150023		17-MAR-18		
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt "a"										
11.2	Wheel & Axle Details:										
	i.	Bogie No.	185063				185064				
	ii.	Frame No.	ECBT-133				ECBT-144				
	iii.	Axle No.	B-1485		D-0639		D-0638		D-0641		
	iv.	Wheel Diameter	952.00	952.00	952.00	952.00	952.00	952.00	952.00	952.00	
	v.	Wheel Disc No.	27583-01491	25468-00332	25635-00338	25555-00332	28735-00368	28736-00368	25521-00332	25727-01377	
	vi.	RB Nos	P611	P608	P643	P626	P587	S341	P647	P634	
	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-474,526,2320,2360			AJTECH-2227,508,2394,520			
	ii.	Secondary shock Absorber Make & NO.			GABRIEL-226,227			GABRIEL-152,225			
	iii.	Lateral Shock Absorber Make & NO.			GABRIEL-1221,1343			GABRIEL-263,260			
	iv.	Air Spring Make & NO.			TAYAL-105,036			TAYAL-176,142			
11.4	i.	Modification/Trail(if any):			NIL						
	ii.	Deviations (if any):			NIL						

**MEMUMC AS - 7064**



भारतीय रेलवे कार्गो

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

(FORM NO. QMF 4254 VER.06)

1.	SHELL NO	<b>7063</b>	BOGIE NO	<b>185061 / 185062</b>	DISPATCH DATE	<b>19-MAR-18</b>	
2.	RAILWAY	<b>SWR</b>	TYPE OF COACH	<b>MEMUMC AS</b>	COACH NO	<b>150022</b>	
3.	BOOKED TO	<b>SSE/C&amp;W/HUBLI</b>					
4.	Tare Weight of Coach	<b>61</b>					
5.	Carrying Capacity	Seating	<b>65</b>	Sleeping	<b>NIL</b>	Luggage	<b>NIL</b>
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)		<b>1035</b>	<b>1104</b>	
	vii)	CBC/Buffer/Shaku Coupler (Make)			<b>SANROK</b>	<b>SANROK</b>	
	viii)	Draw Gear Make			<b>---</b>	<b>---</b>	
7.	Air Brake Testing:						
	Description				Specified		
	7.1	Emergency Application	Time for 0 to 36 Kg/cm <sup>2</sup> of BC		Less than 05 Sec		
			Brake release time to reach 0.4 Kg/cm <sup>2</sup>		Less than 20 Sec		
	7.2	Insensitivity	BP dipped @ 0.30 Kg/cm <sup>2</sup> in 60 Sec		No brake application		
	7.3	Sensitivity	BP dipped @ 0.60 Kg/cm <sup>2</sup> 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	<b>PU PAINT</b>		<b>GS</b>	<b>85 / 85</b>	
	8.2	Application of PCN-123	<b>SATISFACTORY</b>				
	8.3	Insulation	<b>SATISFACTORY</b>				
9.	Traceability of Furnishing Items:						
	1	<b>FLOOR BOARD</b>			<b>TWPL</b>		
	2	<b>PVC</b>			<b>RESPONSIVE</b>		
	3	<b>BRAKE EQUIPMENT</b>			<b>KBI</b>		
	4	<b>UIC VESTIBULES</b>			<b>KRP</b>		
	5	<b>SEAT &amp; BEARTH</b>			<b>OVPL</b>		
10.	10.1	Modification/ Trial (If any): <b>NIL</b>					
	10.2	Deviations (If any): <b>NIL</b>					



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

11.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date
		7063	SWR	MEMUMC AS	150022	19-MAR-18
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt "a"					
11.2	Wheel & Axle Details:					
i.	Bogie No.	185061			185062	
ii.	Frame No.	ECBT-105			ECBT-129	
iii.	Axle No.	D-6695	Z-5877		D-0585	B-1536
iv.	Wheel Diameter	953.00	953.00	953.00	953.00	952.00
v.	Wheel Disc No.	27833-01633	25402-00297	27714-01695	27663-01695	27622-01491
vi.	RB Nos	P356	P350	P353	P276	P361
vii.	RB Make	FAG		FAG		FAG
viii.	RB Type	Direct Mounted Spherical Roller Bearing				
11.3	Items traceability:					
i.	Break Cylinder Make & No.	AJTECH-0443,0448,0459,0576			AJTECH-521,540,532,548	
ii.	Secondary shock Absorber Make & NO.	GABRIEL-205,225			GABRIEL-207,208	
iii.	Lateral Shock Absorber Make & NO.	GABRIEL-257,262			GABRIEL-526,264	
iv.	Air Spring Make & NO.	TAYAL-100,099			TAYAL-1702031,1702472	
11.4	i.	Modification/Trail(if any):	NIL			
	ii.	Deviations (if any):	NIL			

MEMUMC AS - 7063