



**ROLLING STOCK CERTIFICATE**

Form No. : **QMF4254; Version: 05**

1.	SHELL No:	4005	DISPATCH DATE:			3.6.2014
2.	Rly:	EC	Type:	MEMU/TC2	Coach No.:	41186
3.	Booked to	SSE/C&W/DNR				
4.	Tare Weight of Coach :	33.15 T				
5.	Carrying Capacity :	Seating:	80	Standing	272	Luggage: NIL
6.	Shell Details: (SG-90004 alt 'b')					
	<b>6.1</b>	<b>Leading Dimensions;</b>				
	i)	Maximum height above rail to top of Roof ventilator			4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN only)	
	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 light			3402 +0/-5	
	vi)	Minimum height above rail level to the lowest fitting			181.5 mm ( AE63143)	
	vii)	Buffer/CBC Height	Specified : 1104 +0 /-10 mm		NA	NA
	vii)	Make :	NA			
	ix)	Shaku Coupler Height	Specified : 1035 +0 /-5 mm		1035/1035	
	x)	Shaku Coupler Make:	ESCORTS			
7.	Air Brake Testing:					
		Description			Specified	
	7.1	Emergency Application	Time for 0 to 3.6 Kg/cm2 of BC		Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type)	
			Brake release time to reach .4 Kg/cm2		Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type)	
	7.2	Insensitivity	BP dipped @ 0.30 Kg/cm2 n 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 (NAC)	
8.	PAINTING DEATAILS:					
			TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE	
	8.1	PAINT	PU PAINT	ADVANCE	86/87	
	8.2	APPLICATION OF PCN-123			SATISFACTORY	
	8.3	INSUALTION			SATISFACTORY	
9.	Traceability of Furnishing Items:				Make	
	i.	BRAKE EQUIPMENT			ESCORTS	
	ii.	SEAT & BERTH			MOHAN SINGH	
	iii.	PVC			RESPONSIVE	
	iv.	FLOOR BOARD			TAYAL	
	v.	UIC VESTIBULE			KRP	
	vi.	LP SHEETS			NA	
	vii.	BODY SIDE WINDOW			GI	
	viii.	EMERGENCY WINDOW			GI	
	xi.	DOOR WINDOW			AGF	
	x.	WATER TANK			RUBICON	
	xi.	LAV WINDOW			MECIDON	
	xii.	LAV DOOR			RCF	
10.	10.1	Modification/ Trial (if any):			NIL	
	10.2	Deviations (if any):			NIL	



# रेल डिब्बा कारखाना, कपूरथला

Rail Coach Factory , Kapurthala

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12.	<b>Bogie Details:</b>	Shell No.	Railway		Type		Coach No.		Dispatch Date	
		4005	ECR		MEMU-TC		41186		22-05-14	
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
12.2	<b>Wheel &amp; Axle Details:</b>	PP Side				NPP Side				
	i.	Bogie No.	145066				145067			
	ii.	Frame No.	ASR-54				ASR-60			
	iii.	Axle No.	V-1973		S-1555		V-9583		RWF-97953	
	iv.	Wheel Diameter	953.00	953.00	953.00	953.00	954.00	953.50	953.00	953.00
	v.	Wheel Disc No.	04079/ 936	03921/ 963	04313/ 942	03807/ 945	03950/ 950	04051/ 936	04200/ 961	04021/94 6
	vi.	R.B. Nos.	Y-945	Y-959	Y-1312	Y-2360	B-0980	B-0979	B-1308	B-1271
	vii.	R.B. Make	FAG		FAG		NBC		NBC	
	viii.	R.B. Type	Direct Mounted Spherical Roller Bearing							
12.3	<b>Items Traceability:</b>									
	i.	BRAKE CYLINDER (Make)				ESCORTS				
	ii.	SECONDARY Shock Absorber (Make)				GABRIEL				
12.4	i.	<b>Modification/ Trail (if any):</b>				NIL				
	ii.	<b>Deviations (if any):</b>				NIL				

MEMU/TC2—4005



**ROLLING STOCK CERTIFICATE**

Form No. : **QMF4254; Version: 05**

1.	SHELL No:	4007	DISPATCH DATE:			5.6.2014
2.	Rly:	EC	Type:	MEMU/TC2	Coach No.:	41187
3.	Booked to	<b>SSE/C&amp;W/DNR</b>				
4.	Tare Weight of Coach :	33.15 T				
5.	Carrying Capacity :	Seating:	80	<b>Standing</b>	272	Luggage: NIL
6.	Shell Details: (SG-90004 alt 'b')					
	<b>6.1</b>	<b>Leading Dimensions;</b>				
	i)	<b>Maximum height above rail to top of Roof ventilator</b>			<b>4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN only)</b>	
	ii)	<b>Maximum length over Body</b>			<b>21337 ± 10</b>	
	iii)	<b>Maximum length over Buffer</b>			<b>22297 ± 15</b>	
	iv)	<b>Maximum width over Body</b>			<b>3245 ± 5</b>	
	v)	<b>Maximum width over Flasher light</b>			<b>3402 +0/-5</b>	
	vi)	<b>Minimum height above rail level to the lowest fitting</b>			<b>181.5 mm ( AE63143)</b>	
	vii)	<b>Buffer/CBC Height</b>	<b>Specified : 1104 +0 /-10 mm</b>		NA	NA
	vii)	<b>Make :</b>	NA			
	ix)	<b>Shaku Coupler Height</b>	<b>Specified : 1035 +0 /-5 mm</b>		1030/1035	
	x)	<b>Shaku Coupler Make:</b>	ESCORTS			
7.	Air Brake Testing:					
		<b>Description</b>			<b>Specified</b>	
	7.1	<b>Emergency Application</b>	<b>Time for 0 to 3.6 Kg/cm2 of BC</b>		<b>Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type)</b>	
			<b>Brake release time to reach .4 Kg/cm2</b>		<b>Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type)</b>	
	7.2	<b>Insensitivity</b>	<b>BP dipped @ 0.30 Kg/cm2 n 60 sec</b>		<b>No brake application</b>	
	7.3	<b>Sensitivity</b>	<b>BP dipped @ 0.60 Kg/cm2 in 6 sec</b>		<b>Brakes "ON"</b>	
	7.4	<b>Passenger alarm by pulling chain</b>			<b>BP Blasts out, Brakes "ON"</b>	
	7.5	<b>Piston stroke for BMBC type coach only</b>			<b>19 +10/-0 mm (NAC)</b>	
8.	PAINTING DEATAILS:					
			<b>TYPE OF PAINT</b>	<b>MAKE</b>	<b>AVERAGE GLOSS VALUE</b>	
	8.1	<b>PAINT</b>	<b>PU PAINT</b>	ADVANCE	86/87	
	8.2	<b>APPLICATION OF PCN-123</b>			SATISFACTORY	
	8.3	<b>INSUALTION</b>			SATISFACTORY	
9.	Traceability of Furnishing Items:				<b>Make</b>	
	i.	<b>BRAKE EQUIPMENT</b>			ESCORTS	
	ii.	<b>SEAT &amp; BERTH</b>			MOHAN SINGH	
	lii	<b>PVC</b>			RESPONSIVE	
	Iv	<b>FLOOR BOARD</b>			TAYAL	
	V	<b>UIC VESTIBULE</b>			KRP	
	Vi	<b>LP SHEETS</b>			NA	
	Vii	<b>BODY SIDE WINDOW</b>			GI	
	Viii	<b>EMERGENCY WINDOW</b>			GI	
	Xi	<b>DOOR WINDOW</b>			AGF	
	X	<b>WATER TANK</b>			RUBICON	
	Xi	<b>LAV WINDOW</b>			MECIDON	
	xii	<b>LAV DOOR</b>			RCF	
10.	10.1	<b>Modification/ Trial (if any):</b>				NIL
	10.2	<b>Deviations (if any):</b>				NIL



12.	<b>Bogie Details:</b>	Shell No.	Railway		Type		Coach No.		Dispatch Date	
		4007	EC		MEMU-TC		41187		23-05-14	
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
12.2	<b>Wheel &amp; Axle Details:</b>	<b>PP Side</b>				<b>NPP Side</b>				
	i.	Bogie No.	145063				145068			
	ii.	Frame No.	ASR-59				ASR-62			
	iii.	Axle No.	RWF-91059		7963		RWF-98323		W-3093	
	iv.	Wheel Diameter	953.00	953.00	953.00	953.00	953.50	954.00	953.00	953.00
	v.	Wheel Disc No.	03972/ 940	04184/ 958	03812/ 940	04094/ 929	04139/ 959	96331/ 944	02406/ 993	02221/94 1
	vi.	R.B. Nos.	Y-2403	Y-1345	Y-2364	Y-2375	X-1531	X-1515	X-2409	Y-949
	vii.	R.B. Make	FAG		FAG		NBC		FAG	
	viii.	R.B. Type	Direct Mounted Spherical Roller Bearing							
12.3	<b>Items Traceability:</b>									
	i.	BRAKE CYLINDER (Make)				ESCORTS				
	ii.	SECONDARY Shock Absorber (Make)				GABRIEL				
12.4	i.	Modification/ Trail (if any):				NIL				
	ii.	Deviations (if any):				NIL				