



**ROLLING STOCK CERTIFICATE**

Form No. : QMF4254; Version: 05

1.	SHELL No:	4006	DISPATCH DATE:			09.7.2014
2.	Rly:	SECR	Type:	MEMU/TC2	Coach No.:	14900
3.	Booked to	SSE/C&W/				
4.	Tare Weight of Coach :	33.15 T				
5.	Carrying Capacity :	Seating:	80	Standing	272	Luggage: NIL
6.	Shell Details: (SG-90004 alt 'b')					
	6.1	Leading Dimensions;				
	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:		SANROK		
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		AAR KAY FOAMS		
	lii	PVC		RESPONSIVE		
	Iv	FLOOR BOARD		TAYAL		
	V	UIC VESTIBULE		KRP		
	Vi	LP SHEETS		NA		
	Vii	BODY SIDE WINDOW		GI		
	Viii	EMERGENCY WINDOW		ABC		
	Xi	DOOR WINDOW		AGF		
	X	WATER TANK		RUBICON		
	Xi	LAV WINDOW		MOHAN		
	xii	LAV DOOR		SAVITRI		
10.	10.1	Modification/ Trial (if any):			NIL	
	10.2	Deviations (if any):			NIL	



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12.	<b>Bogie Details:</b>	Shell No.	Railway	Type	Coach No.	Dispatch Date				
		4006	SECR	MEMU-TC2	14900	10-06-14				
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.	145071				145072			
	ii.	Frame No.	ASR/TC-64				ASR/TC-55			
	iii.	Axle No.	V-9865		8244		210		719	
	iv.	Wheel Diameter	952.00	952.00	952.00	952.00	954.00	954.00	955.00	955.00
	v.	Wheel Disc No.	03875/963	02377/940	03986/939	03995/958	03991/963	03967/939	03974/943	04013/959
	vi.	R.B. Nos.	Y-950	X-1665	Y-937	X-1625	B-0665	B-0705	B-1125	B-0689
	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)				ESCORTS				
12.4	i.	<b>Modification/ Trail (if any):</b>				NIL				
	ii.	<b>Deviations (if any):</b>				NIL				



**ROLLING STOCK CERTIFICATE**

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

1.	SHELL No:	4008	DISPATCH DATE:			17.7.2014
2.	Rly:	SECR	Type:	MEMU/TC2	Coach No.:	14901
3.	Booked to	SSE/C&W/				
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		1035/1031	
	x)	Shaku Coupler Make:	SANROK			
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			AAR KAY FOAMS	
	iii	PVC			RESPONSIVE	
	Iv	FLOOR BOARD			TAYAL	
	V	UIC VESTIBULE			KRP	
	Vi	LP SHEETS			NA	
	Vii	BODY SIDE WINDOW			GI	
	Viii	EMERGENCY WINDOW			ABC	
	Xi	DOOR WINDOW			AGF	
	X	WATER TANK			RUBICON	
	Xi	LAV WINDOW			MOHAN	
	xii	LAV DOOR			SAVITRI	
10.	10.1	Modification/ Trial (if any):				NIL
	10.2	Deviations (if any):				NIL



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12.	<b>Bogie Details:</b>	Shell No.	Railway	Type	Coach No.	Dispatch Date				
		4008	SECR	MEMU-TC	14901	07-06-14				
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.	145070				145069			
	ii.	Frame No.	ASR-51				ASR-63			
	iii.	Axle No.	V-1181		RWF-93706		V-9318		U-9432	
	iv.	Wheel Diameter	953.00	953.50	952.00	952.00	952.00	952.00	952.00	952.00
	v.	Wheel Disc No.	02480/939	03903/949	03855/940	04272/961	04067/962	04079/947	04176/942	02377/937
	vi.	R.B. Nos.	X1648	X1698	X2303	X2265	Y-935	X1658	X1637	Y-931
	vii.	R.B. Make	FAG		FAG		FAG		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)				ESCORTS				
12.4	i.	<b>Modification/ Trail (if any):</b>				NIL				
	ii.	<b>Deviations (if any):</b>				NIL				

MEMU/TC2—4008