

ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

1.	SHELL No:	4039	DISPATCH DATE:			16.12.2014
2.	Rly:	NR	Type:	MEMU/TC2	Coach No.:	31298
3.	Booked to	SSE/C&W/GZB				
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:	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	85/85	
	8.2	APPLICATION OF PCN-123	SATISFACTORY			
	8.3	INSUALTION	SATISFACTORY			
9.	Traceability of Furnishing Items:			Make		
	i.	BRAKE EQUIPMENT		ESCORTS		
	ii.	SEAT & BERTH		OVPL		
	lii	PVC		RESPONSIVE/PREMIER POLYFIL		
	Iv	FLOOR BOARD		TAYAL		
	V	UIC VESTIBULE		KRP		
	Vi	LP SHEETS		LP, MS. S STEEL		
	Vii	BODY SIDE WINDOW		ABC		
	Viii	EMERGENCY WINDOW		ABC		
	Xi	DOOR WINDOW		AGF		
	X	WATER TANK		RAIL FAB		
	Xi	LAV WINDOW		MECIDON		
	xii	LAV DOOR		JR		
10.	10.1	Modification/ Trial (if any):			NIL	
	10.2	Deviations (if any):			NIL	



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Rail Coach Factory , Kapurthala

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12.	Bogie Details:	Shell No.	Railway		Type		Coach No.		Dispatch Date		
		4039	NR		MEMU-TC		31298		29-11-2014		
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'										
12.2	Wheel & Axle Details:	PP Side					NPP Side				
	i.	Bogie No.	145133					145136			
	ii.	Frame No.	ASR-116					ASR-127			
	iii.	Axle No.	V-9521		Y-6796		S-9066		6790		
	iv.	Wheel Diameter	954.00	954.00	954.00	954.00	954.00	954.00	954.00	954.00	
	v.	Wheel Disc No.	06266/946	06270/954	06432/956	06392/946	06428/956	06270/958	02434/944	03706/961	
	vi.	R.B. Nos.	U1997	U2003	E2210	E2200	T1351	T1374	T547	T2258	
	vii.	R.B. Make	FAG		NBC		FAG		FAG		
	viii.	R.B. Type	Direct Mounted Spherical Roller Bearing								
12.3	Items Traceability:										
	i.	BRAKE CYLINDER (Make)					AJT				
ii.	SECONDARY Shock Absorber (Make)					GABRIEL, K/B					
12.4	i.	Modification/ Trail (if any):					NIL				
	ii.	Deviations (if any):					NIL				

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1.	SHELL No:	4037	DISPATCH DATE:			16.12.2014
2.	Rly:	NR	Type:	MEMU/TC2	Coach No.:	31301
3.	Booked to	SSE/C&W/GZB				
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:				WSF
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	85/85	
	8.2	APPLICATION OF PCN-123	SATISFACTORY			
	8.3	INSUALTION	SATISFACTORY			
9.	Traceability of Furnishing Items:					Make
	i.	BRAKE EQUIPMENT			ESCORTS	
	ii.	SEAT & BERTH			RCF	
	lii	PVC			RESPONSIVE	
	Iv	FLOOR BOARD			ORIENTAL	
	V	UIC VESTIBULE			KRP	
	Vi	LP SHEETS			NA	
	Vii	BODY SIDE WINDOW			ABC	
	Viii	EMERGENCY WINDOW			ABC	
	Xi	DOOR WINDOW			AGF, MOHAN	
	X	WATER TANK			RAIL FAB	
	Xi	LAV WINDOW			MECIDON	
	xii	LAV DOOR			RCF	
10.	10.1	Modification/ Trial (if any):			NIL	
	10.2	Deviations (if any):			NIL	



12.	Bogie Details:	Shell No.	Railway		Type		Coach No.		Dispatch Date	
		4037	NR		MEMU-TC		31301		26-11-2014	
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
12.2	Wheel & Axle Details:	PP Side				NPP Side				
	i.	Bogie No.	145134				145135			
	ii.	Frame No.	ASR-105				ASR-120			
	iii.	Axle No.	R-1629		W-2988		T-5091		S-5630	
	iv.	Wheel Diameter	952.50	952.00	952.00	952.00	952.00	952.00	954.00	953.50
	v.	Wheel Disc No.	05865/ 945	04085/ 940	05947/ 941	05603/ 940	08316/ 957	06348/ 944	06412/ 954	06822/94 0
	vi.	R.B. Nos.	E-2956	E-2957	E-2944	E-2931	E-2961	E-2971	E-2916	E-2963
	vii.	R.B. Make	NBC		NBC		NBC		NBC	
	viii.	R.B. Type	Direct Mounted Spherical Roller Bearing							
12.3	Items Traceability:									
	i.	BRAKE CYLINDER (Make)				ESCORTS,AJT				
	ii.	SECONDARY Shock Absorber (Make)				GABRIEL				
12.4	i.	Modification/ Trail (if any):				NIL				
	ii.	Deviations (if any):				NIL				



ROLLING STOCK CERTIFICATE

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1.	SHELL No:	4041	DISPATCH DATE:			16.12.2014
2.	Rly:	NR	Type:	MEMU/TC2	Coach No.:	31299
3.	Booked to	SSE/C&W/GZB				
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:				WSF	
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	85/86	
8.2	APPLICATION OF PCN-123			SATISFACTORY		
8.3	INSUALTION			SATISFACTORY		
9.	Traceability of Furnishing Items:				Make	
i.	BRAKE EQUIPMENT				ESCORTS	
ii.	SEAT & BERTH				OVPL	
lii	PVC				RESPONSIVE	
lv	FLOOR BOARD				ORIENTAL, TAYAL	
v	UIC VESTIBULE				KRP	
Vi	LP SHEETS				NA	
Vii	BODY SIDE WINDOW				ABC	
Viii	EMERGENCY WINDOW				ABC	
Xi	DOOR WINDOW				MOHAN	
X	WATER TANK				RAIL FAB	
Xi	LAV WINDOW				MECIDON	
xii	LAV DOOR				JR	
10.	10.1	Modification/ Trial (if any):				NIL
	10.2	Deviations (if any):				NIL



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12.	Bogie Details:	Shell No.	Railway		Type		Coach No.		Dispatch Date	
		4041	NR		MEMU-TC		31299		11-12-2014	
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
12.2	Wheel & Axle Details:	PP Side				NPP Side				
	i.	Bogie No.	145139				145140			
	ii.	Frame No.	ASR-137				ASR-133			
	iii.	Axle No.	A-4380		8072		P-6008		U-3821	
	iv.	Wheel Diameter	953.00	953.00	952.00	952.00	953.00	953.00	953.00	953.00
	v.	Wheel Disc No.	06319/ 958	06354/ 944	03921/ 957	05633/ 957	05516/ 939	06458/ 951	06328/ 956	06360/94 2
	vi.	R.B. Nos.	V-854	V-1632	U-2461	U-2447	V-926	V-1643	V-921	V-884
	vii.	R.B. Make	FAG		FAG		FAG		FAG	
	viii.	R.B. Type	Direct Mounted Spherical Roller Bearing							
12.3	Items Traceability:									
	i.	BRAKE CYLINDER (Make)				ESCORTS.AJT				
	ii.	SECONDARY Shock Absorber (Make)				GABRIEL				
12.4	i.	Modification/ Trail (if any):				NIL				
	ii.	Deviations (if any):				NIL				