



ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

1.	SHELL No:	4012	DISPATCH DATE:			16.12.2014
2.	Rly:	SECR	Type:	MEMU/MC	Coach No.:	14894
3.	Booked to	SSE/C&W/BSP				
4.	Tare Weight of Coach :	61 T				
5.	Carrying Capacity :	Seating:	65	Standing	138	Luggage: NIL
6.	Shell Details: (SG-90004 alt 'b')					
	<b>6.1 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 (AE63143) mm	
	vii)	Buffer/CBC Height	Specified : 1104 +0 /-10 mm		i) 1104	ii) 1104
	vii)	Make :	REPL			
	ix)	Shaku Coupler Height	Specified : 1035 +0 /-5 mm		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	Insensitivit y	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		AAR KAY FOAMS		
	lii	PVC		RESPONSIVE		
	lv	FLOOR BOARD		ORIENTAL		
	v	UIC VESTIBULE		KRP		
	Viv	LP SHEETS		LP, S STEEL		
	Vii	BODY SIDE WINDOW		MOHAN		
	Viii	EMERGENCY WINDOW		IRCP		
	xi	DOOR WINDOW		AGF		
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				
		4012	SECR	MEMU/DMC	14894	31-10-2014				
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
12.2	Wheel & Axle Details:	PP Side				NPP Side				
	i.	Bogie No.	144040				144039			
	ii.	Frame No.	VED-17				VS-10			
	iii.	Axle No.	T-0961		S-0620		T-1045		S-0649	
	iv.	Wheel Diameter	954.00	954.00	952.00	952.00	954.00	954.00	954.00	954.00
	v.	Wheel Disc No.	03620/2V40	02311/2V24	02978/2V51	00761/2V42	03619/2V40	03621/2V40	03596/2V41	02645/2V42
	vi.	R.B. Nos.	V-46	P-44	V-193	U-51	P-12	P-93	P-53	P-102
	vii.	R.B. Make	FAG		FAG		FAG		FAG	
	viii.	R.B. Type	Direct Mounted Spherical Roller Bearing							
12.3	<u>Items Traceability:</u>									
	i.	BRAKE CYLINDER (Make)				AJT				
ii.	SECONDARY Shock Absorber (Make)				KNORR-BREMSE,IAI					
12.4	i.	Modification/ Trail (if any):				NIL				
	ii.	Deviations (if any):				NIL				

MEMU/DMC—4012



ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

1.	SHELL No:	4009	DISPATCH DATE:			24.12.2014
2.	Rly:	SECR	Type:	MEMU/MC	Coach No.:	14895
3.	Booked to	SSE/C&W/BSP				
4.	Tare Weight of Coach :	61 T				
5.	Carrying Capacity :	Seating:	65	Standing	138	Luggage: NIL
6.	Shell Details: (SG-90004 alt 'b')					
	<b>6.1 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 (AE63143) mm	
	vii)	Buffer/CBC Height	Specified : 1104 +0 /-10 mm	i) 1095	ii) 1104	
	vii)	Make :			HEPL	
	ix)	Shaku Coupler Height	Specified : 1035 +0 /-5 mm	1035		
	x)	Shaku Coupler Make:			WSF, ESCORTS	
7.	Air Brake Testing:					
	Description			Specified		
	7.1	Emergency Application	Time for 0 to 3.6 Kg/cm <sup>2</sup> of BC	Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type)		
			Brake release time to reach .4 Kg/cm <sup>2</sup>	Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type)		
	7.2	Insensitivity	BP dipped @ 0.30 Kg/cm <sup>2</sup> n 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 (NAC)		
8.	PAINTING DEATAILS:					
			TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE	
	8.1	PAINT	PU PAINT	ADVANCE	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		MOHAN SINGH		
	lii	PVC		RESPONSIVE		
	lv	FLOOR BOARD		ORIENTAL		
	v	UIC VESTIBULE		KRP		
	Viv	LP SHEETS		NA		
	Vii	BODY SIDE WINDOW		MOHAN		
	Viii	EMERGENCY WINDOW		IRCP		
	xi	DOOR WINDOW		AGF		
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			
		4009	SEC	MEMU/DMC	14895	04-12-2014			
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'								
12.2	Wheel & Axle Details:	PP Side				NPP Side			
	i. Bogie No.	144045				144046			
	ii. Frame No.	VS-18				VS-11			
	iii. Axle No.	A-7457		A-7470		A-7405		Z-4994	
	iv. Wheel Diameter	952.50	952.00	952.00	952.00	952.00	952.00	952.00	952.00
	v. Wheel Disc No.	02255/ 2W24	01285/ 2V57	02322/ 2V22	02323/ 2V22	05168/ 2W52	05083/ 2V60	01797/ 2V40	01795/ 2W40
	vi. R.B. Nos.	P-29	P-32	P-207	P-242	P-5	P-34	P-94	P-204
	vii. R.B. Make	FAG		FAG		FAG		FAG	
	viii. R.B. Type	Direct Mounted Spherical Roller Bearing							
12.3	<u>Items Traceability:</u>								
	i.	BRAKE CYLINDER (Make)				ESCORTS			
	ii.	SECONDARY Shock Absorber (Make)				KNORR BREMSE			
12.4	i.	Modification/ Trail (if any):				NIL			
	ii.	Deviations (if any):				NIL			