



ROLLING STOCK CERTIFICATE

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

1.	SHELL No:	6016	DISPATCH DATE:			31.01.2017
2.	Rly:	EC	Type:	MEMU/MC	Coach No.:	40107
3.	Booked to	SSE/C&W/DNR				
4.	Tare Weight of Coach :	61 T				
5.	Carrying Capacity :	Seating:	65	Standing	138	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 (AE63143) mm	
vii)	Buffer/CBC Height		Specified : 1104 +0 /-10 mm		i) 1104	ii) 1104
vii)	Make :				HEPL	
ix)	Shaku Coupler Height		Specified : 1035 +0 /-5 mm		1035	
x)	Shaku Coupler Make:				SANROK,ESCORT	
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		GS	85/85	
8.2	APPLICATION OF PCN-123			SATISFACTORY		
8.3	INSUALTION			SATISFACTORY		
9.	Traceability of Furnishing Items:				Make	
i.	BRAKE EQUIPMENT			KBI		
ii.	SEAT & BERTH			ARR KAYEE		
lii	PVC			RESPONSIVE		
Iv	FLOOR BOARD			TWPL		
V	UIC VESTIBULE			KRP		
Viv	LP SHEETS			PUNJAB LAMINATE		
Vii	BODY SIDE WINDOW			GI		
Viii	EMERGENCY WINDOW			ABC		
xi	DOOR WINDOW			ABC		
10.	10.1	Modification/ Trial (if any):		NIL		
	10.2	Deviations (if any):		NIL		



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11.	Bogie Details:	Shell No.		Railway		Type		Coach No.		Dispatch Date	
		6016		ECR		MEMU/DMC		40107		24-01-2017	
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'										
11.2	Wheel & Axle Details:		PP Side				NPP Side				
	i.	Bogie No.	175003				175004				
	ii.	Frame No.	ACPL-41				ACPL-31				
	iii.	Axle No.	K-2213		L-9993		L-9882		S-2707		
	iv.	Wheel Diameter	954.00	954.00	954.00	954.00	953.50	953.50	953.00	953.00	
	v.	Wheel Disc No.	20859/0 0185	01404/1 2623	20901/0 0185	58169/0 8985	05983/0 2659	46915/0 9833	21063/0 0147	21062/021 47	
	vi.	R.B. Nos.	P0248	P0249	P0141	U0458	E0774	E0735	W0427	W0441	
	vii.	R.B. Make	FAG		FAG		NBC		FAG		
	viii.	R.B. Type	Direct Mounted Spherical Roller Bearing								
11.3	<u>Items Traceability:</u>					PP SIDE			NPP SIDE		
	i.	BRAKE CYLINDER Make & NO.				PEW-9962,0059, 0063,0020			PEW-E0059,0020, 0063,9962		
	ii.	SECONDARY Shock Absorber Make &NO.				ESCORTS-9371,3119			ESCORTS -3364,3362		
11.4	i.	Modification/ Trail (if any):				NIL					
	ii.	Deviations (if any):				NIL					



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1.	SHELL No:	6013	DISPATCH DATE:			23.01.2017
2.	Rly:	EC	Type:	MEMU/MC	Coach No.:	40103
3.	Booked to	SSE/C&W/DNR				
4.	Tare Weight of Coach :	61 T				
5.	Carrying Capacity :	Seating:	65	Standing	138	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 (AE63143) mm	
	vii)	Buffer/CBC Height	Specified : 1104 +0 /-10 mm		i) 1100	ii) 1104
	vii)	Make :	HEPL			
	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/cm ² 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 ²		Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type)		
7.2	Insensitivity	BP dipped @ 0.30 Kg/cm ² n 60 sec		No brake application		
7.3	Sensitivity	BP dipped @ 0.60 Kg/cm ² 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	GS	85/85	
8.2	APPLICATION OF PCN-123		SATISFACTORY			
8.3	INSUALTION		SATISFACTORY			
9.	Traceability of Furnishing Items:			Make		
	i.	BRAKE EQUIPMENT			KBI	
	ii.	SEAT & BERTH			ARR KAYEE	
	lii	PVC			RESPONSIVE	
	Iv	FLOOR BOARD			TWPL	
	V	UIC VESTIBULE			SSIPL	
	Viv	LP SHEETS			PUNJAM LAMINATE	
	Vii	BODY SIDE WINDOW			GI	
	Viii	EMERGENCY WINDOW			ABC	
	xi	DOOR WINDOW			ABC	
10.	10.1	Modification/ Trial (if any):			NIL	
	10.2	Deviations (if any):			NIL	



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11.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date				
		6013	ECR	MEMU/DMC	40103	04-01-2017				
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
11.2	Wheel & Axle Details:	PP Side				NPP Side				
	i. Bogie No.	165032				165034				
	ii. Frame No.	CRG-121				ACPL-34				
	iii. Axle No.	M-0379		S-2817		L-9925		K-2441		
	iv. Wheel Diameter	954.00	954.00	953.00	953.00	953.00	953.00	953.00	953.00	
	v. Wheel Disc No.	59349/08346	59348/08346	02429/12893	02444/12893	20883/00185	20861/00185	20896/00185	47845/06936	
	vi. R.B. Nos.	U0504	U0500	U0501	U0419	U0485	U0445	U0427	U0477	
	vii. R.B. Make	FAG		FAG		FAG		FAG		
	viii. R.B. Type	Direct Mounted Spherical Roller Bearing								
11.3	<u>Items Traceability:</u>				PP SIDE		NPP SIDE			
	i.	BRAKE CYLINDER Make & NO.			PEW-10060,12117,10377,12137			PEW-E0212,E0110,E0038,E12140		
	ii.	SECONDARY Shock Absorber Make &NO.			ESCORTS - 1360,3365			ESCORTS - 3340,3359		
11.4	i.	Modification/ Trail (if any):			NIL					
	ii.	Deviations (if any):			NIL					

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1.	SHELL No:	6014	DISPATCH DATE:			23.01.2017
2.	Rly:	ECR	Type:	MEMU/MC	Coach No.:	40102
3.	Booked to	SSE/C&W/DNR				
4.	Tare Weight of Coach :	61 T				
5.	Carrying Capacity :	Seating:	65	Standing	138	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 (AE63143) mm	
vii)	Buffer/CBC Height	Specified : 1104 +0 /-10 mm		i) 1100	ii) 1102	
vii)	Make :	ATUL				
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	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		GS	85/85	
8.2	APPLICATION OF PCN-123			SATISFACTORY		
8.3	INSUALTION			SATISFACTORY		
9.	Traceability of Furnishing Items:					
i.	BRAKE EQUIPMENT			Make KBI		
ii.	SEAT & BERTH			AAR KAY FOAMS		
lii	PVC			RESPONSIVE		
Iv	FLOOR BOARD			TWPL		
V	UIC VESTIBULE			KRP		
Viv	LP SHEETS			PUNJAB LAMINATE		
Vii	BODY SIDE WINDOW			GI		
Viii	EMERGENCY WINDOW			ABC		
xi	DOOR WINDOW			ABC		
10.	10.1	Modification/ Trial (if any):			NIL	
	10.2	Deviations (if any):			NIL	



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11.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date					
		6014	ECR	MEMU/DMC	40102	30-12-2016					
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'										
11.2	Wheel & Axle Details:	PP Side				NPP Side					
	i.	Bogie No.	165031				165033				
	ii.	Frame No.	ACPL-33				CRG-115				
	iii.	Axle No.	L-9883		G-7382						
	iv.	Wheel Diameter	954.00	953.50	955.00	954.50					
	v.	Wheel Disc No.	01414/ 12623	02785/ 12987	02751/ 12987	02156/ 12816					
	vi.	R.B. Nos.	E0768	E0734	U0492	U0480					
	vii.	R.B. Make	NBC		FAG		FAG		FAG		
	viii.	R.B. Type	Direct Mounted Spherical Roller Bearing								
11.3	Items Traceability:				PP SIDE		NPP SIDE				
	i.	BRAKE CYLINDER Make & NO.				PEW- 00216,0056,0040, 10254		PEW- 12119,10122,12279,1 2133			
	ii.	SECONDARY Shock Absorber Make &NO.				ESCORTS - 3348,3358		ESCORTS - 3346,3361			
11.4	i.	Modification/ Trail (if any):				NIL					
	ii.	Deviations (if any):				NIL					

MEMUMC 6014