



ROLLING STOCK CERTIFICATE

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

1.	SHELL No:	5009	DISPATCH DATE:			01.09.2015
2.	Rly:	WR	Type:	MEMU/TC2	Coach No.:	21113
3.	Booked to	<b>SSE/C&amp;W/BRLY</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)	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 :	ESCORTS			
	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	VIBGYOR	86/85	
	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	
	lv	FLOOR BOARD			TAYAL	
	v	UIC VESTIBULE			KRP	
	Vi	LP SHEETS			NK	
	Vii	BODY SIDE WINDOW			ABC	
	Viii	EMERGENCY WINDOW			MOHAN	
	Xi	DOOR WINDOW			MECIDONE	
	X	WATER TANK			RAIL FAB	
	Xi	LAV WINDOW			MECIDONE	
	xii	LAV DOOR			AMIR CHAND	
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			
		5009	WR	MEMU/TC	21113	23-05-2015			
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'								
11.2	Wheel & Axle Details:	PP Side				NPP Side			
	i. Bogie No.	155019				155020			
	ii. Frame No.	ASR-764				ASR-34			
	iii. Axle No.	A-3712		W-2557		A-4116		A-3544	
	iv. Wheel Diameter	953.50	953.00	952.50	952.00	953.00	953.00	953.00	953.00
	v. Wheel Disc No.	08901/9 46	08860/3 40	08959/9 44	08994/9 37	09134/9 41	08998/9 38	05628/9 37	10646/936
	vi. R.B. Nos.	C-2943	C-2979	C-2983	C-2920	C-3230	C-3219	C-2938	C-2928
	vii. R.B. Make	NBC		NBC		NBC		NBC	
viii. R.B. Type	Direct Mounted Spherical Roller Bearing								
11.3	<u>Items Traceability:</u>				PP SIDE		NPP SIDE		
	i.	BRAKE CYLINDER (Make)				9043,9000 ESCORT		9052,6366 ESCORT	
	ii.	SECONDARY Shock Absorber (Make)				10932,10934 GAB		10933,10931 GAB	
11.4	i.	Modification/ Trail (if any):				NIL			
	ii.	Deviations (if any):				NIL			

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ROLLING STOCK CERTIFICATE

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1.	SHELL No:	5010	DISPATCH DATE:			01.09.2015
2.	Rly:	WR	Type:	MEMU/TC2	Coach No.:	21111
3.	Booked to	<b>SSE/C&amp;W/BRLY</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')					
6.1	<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 :		ESCORTS			
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	VIBGYOR	86/85	
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		
Iv	FLOOR BOARD			TAYAL		
V	UIC VESTIBULE			KRP		
Vi	LP SHEETS			NA		
Vii	BODY SIDE WINDOW			MOHAN		
Viii	EMERGENCY WINDOW			ABC		
Xi	DOOR WINDOW			MECIDONE		
X	WATER TANK			RAIL FAB		
Xi	LAV WINDOW			MECIDONE		
xii	LAV DOOR			AMIR CHAND		
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		
		5010		WR		MEMU/TC		21111		29-05-2015		
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'											
11.2	Wheel & Axle Details:		PP Side				NPP Side					
	i.	Bogie No.	155023				155024					
	ii.	Frame No.	Asr-165				ASR-145					
	iii.	Axle No.	A-4374		P-5784		A-4465		A-4033			
	iv.	Wheel Diameter	955.00	955.00	952.50	952.00	955.00	955.00	953.00	953.00		
	v.	Wheel Disc No.	09130/9 29	10320/9 44	10277/9 39	10276/9 40	10681/9 42	10568/9 37	08915/9 27	09066//94 7		
	vi.	R.B. Nos.	C2972	C2978	C2955	C2916	C3007	C2970	C3156	C3215		
	vii	R.B. Make	NBC		NBC		NBC		NBC			
	vii i.	R.B. Type	Direct Mounted Spherical Roller Bearing									
	11.3	<u>Items Traceability:</u>					PP SIDE			NPP SIDE		
i.		BRAKE CYLINDER Make & NO.				ESCORTS-9010,9012			ESCORTS-9050,9033			
ii.		SECONDARY Shock Absorber Make &NO.				GAB-10788,10785			GAB-11026,11091			
11.4	i.	Modification/ Trail (if any):				NIL						
	ii.	Deviations (if any):				NIL						

MEMU/TC2—5010