



ROLLING STOCK CERTIFICATE

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

1.	SHELL No:	5037	DISPATCH DATE:				15.01.2016
2.	Rly:	ER	Type:	MEMU/TC2	Coach No.:	26124	
3.	Booked to	<b>SSE/C&amp;W/ASN</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 :					
	ix)	Shaku Coupler Height	Specified : 1035 +0 /-5 mm		1032/1033		
	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	87/86		
	8.2	APPLICATION OF PCN-123			SATISFACTORY		
	8.3	INSUALTION			SATISFACTORY		
9.	Traceability of Furnishing Items:					Make	
	i.	BRAKE EQUIPMENT			WSF,		
	ii.	SEAT & BERTH			OVPL		
	lii	PVC			RESPONSIVE		
	Iv	FLOOR BOARD			TAYAL		
	V	UIC VESTIBULE			WRM		
	Vi	LP SHEETS			NA		
	Vii	BODY SIDE WINDOW			GI		
	Viii	EMERGENCY WINDOW			GI		
	Xi	DOOR WINDOW			MECIDONE		
	X	WATER TANK			RAIL FAB		
	Xi	LAV WINDOW			AGF		
	xii	LAV DOOR			TWPL		
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				
		5037	ER		MEMU/TC	26124	04-01-2016				
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'										
11.2	Wheel & Axle Details:	PP Side				NPP Side					
	i.	Bogie No.	164001				164002				
	ii.	Frame No.	ASR-226				ASR-203				
	iii.	Axle No.	Y-8005		Y-7408		06924		06825		
	iv.	Wheel Diameter	954.00	954.00	954.00	953.50	953.00	953.00	953.00	953.00	
	v.	Wheel Disc No.	05598/947	08171/946	08995/945	06822-953	09064/938	08929/938	08911/946	08866/957	
	vi.	R.B. Nos.	H1391	H1379	H1359	H1367	V1187	V1254	V1159	V1256	
	vii.	R.B. Make	NBC		NBC		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.				WSF-90,82		WSF-888,91			
	ii.	SECONDARY Shock Absorber Make &NO.				ESCORTS-605,349		ESCORTS-0636,0211			
11.4	i.	Modification/ Trail (if any):				NIL					
	ii.	Deviations (if any):				NIL					

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1.	SHELL No:	5038	DISPATCH DATE:			19.01.2016
2.	Rly:	ER	Type:	MEMU/TC2	Coach No.:	26125
3.	Booked to	SSE/C&W/ASN				
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 :	--			
	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	GS	85/85	
	8.2	APPLICATION OF PCN-123			SATISFACTORY	
	8.3	INSUALTION			SATISFACTORY	
9.	Traceability of Furnishing Items:					Make
	i.	BRAKE EQUIPMENT			WSF,	
	ii.	SEAT & BERTH			OVPL	
	lii	PVC			RESPONSIVE	
	lv	FLOOR BOARD			NARBADA	
	v	UIC VESTIBULE			WRM	
	Vi	LP SHEETS			PL	
	Vii	BODY SIDE WINDOW			GI	
	Viii	EMERGENCY WINDOW			GI	
	Xi	DOOR WINDOW			MECIDONE	
	X	WATER TANK			RAIL FAB	
	Xi	LAV WINDOW			AGF	
	xii	LAV DOOR			TWPL	
	XIII	BIO TOILET			AMIT	
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
		5038	NE		MEMU/TC		26125		31-12-2015
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'								
11.2	Wheel & Axle Details:	PP Side				NPP Side			
	i. Bogie No.	155075				155076			
	ii. Frame No.	ASR-224				ASR-222			
	iii. Axle No.	A-5506		RWF-97536		A-5161		A-4846	
	iv. Wheel Diameter	955.00	955.00	953.00	953.00	954.00	954.00	954.00	954.00
	v. Wheel Disc No.	09004/957	08850/947	11902/930	10211/941	10155/940	10312/937	08856/960	05762/927
	vi. R.B. Nos.	U2785	S0883	U2582	U2571	U2795	U2809	U2604	U2778
	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.			WSF-575,574			WSF-96,97	
	ii.	SECONDARY Shock Absorber Make &NO.			ESCORTS-0593,0117			ESCORTS-0606,0544	
11.4	i.	Modification/ Trail (if any):			NIL				
	ii.	Deviations (if any):			NIL				

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1.	SHELL No:	5039	DISPATCH DATE:			29.01.2016
2.	Rly:	ER	Type:	MEMU/TC2	Coach No.:	26126
3.	Booked to	SSE/C&W/ASN				
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 :	--			
	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	GS	85/86	
	8.2	APPLICATION OF PCN-123			SATISFACTORY	
	8.3	INSUALTION			SATISFACTORY	
9.	Traceability of Furnishing Items:					Make
	i.	BRAKE EQUIPMENT			WSF,	
	ii.	SEAT & BERTH			OVPL	
	lii	PVC			RESPONSIVE	
	lv	FLOOR BOARD			NARBADA	
	v	UIC VESTIBULE			WRM	
	Vi	LP SHEETS			PL	
	Vii	BODY SIDE WINDOW			GI	
	Viii	EMERGENCY WINDOW			GI	
	Xi	DOOR WINDOW			MECIDONE	
	X	WATER TANK			RAIL FAB	
	Xi	LAV WINDOW			AGF	
	xii	LAV DOOR			TWPL	
	XIII	BIO TOILET			AMIT	
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		
		5039	ER		MEMU/TC		26126		18-01-2016		
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'										
11.2	Wheel & Axle Details:	PP Side				NPP Side					
	i. Bogie No.	164004				164003					
	ii. Frame No.	ASR-231				ASR-225					
	iii. Axle No.	06504		A-4687		RWF-98077		06728			
	iv. Wheel Diameter	953.00	953.00	954.00	954.00	955.00	955.00	953.50	953.00		
	v. Wheel Disc No.	97698/922	08874/942	09026/960	07236/939	09013/938	09003/946	06728/941	08844/927		
	vi. R.B. Nos.	Q3371	Q3374	H1384	H0903	Q0505	Q0504	Q3375	Q3377		
	vii. R.B. Make	FAG		NBC		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.				WSF-368,581			WSF-584,586		
	ii.	SECONDARY Shock Absorber Make &NO.				K/B-02912,03023			ESCORTS-0237,0242		
11.4	i.	Modification/ Trail (if any):				NIL					
	ii.	Deviations (if any):				NIL					

MEMU/TC2—5039



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

1.	SHELL No:	5040	DISPATCH DATE:			04.02.2016
2.	Rly:	ER	Type:	MEMU/TC2	Coach No.:	26127
3.	Booked to	<b>SSE/C&amp;W/ASN</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 :	SANROK			
	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	GS	85/85	
	8.2	APPLICATION OF PCN-123			SATISFACTORY	
	8.3	INSUALTION			SATISFACTORY	
9.	Traceability of Furnishing Items:					Make
	i.	BRAKE EQUIPMENT			WSF,	
	ii.	SEAT & BERTH			OVPL	
	lii	PVC			RESPONSIVE	
	lv	FLOOR BOARD			NARBADA	
	v	UIC VESTIBULE			WRM	
	Vi	LP SHEETS			NA	
	Vii	BODY SIDE WINDOW			GI	
	Viii	EMERGENCY WINDOW			ABC	
	Xi	DOOR WINDOW			MECIDONE	
	X	WATER TANK			RAIL FAB	
	Xi	LAV WINDOW			AGF	
	xii	LAV DOOR			TWPL	
	XIII	BIO TOILET			AMIT	
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		
		5040	ER		MEMU/TC		26127		28-01-2016		
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'										
11.2	Wheel & Axle Details:	PP Side				NPP Side					
	i. Bogie No.	164005				164006					
	ii. Frame No.	ASR-223				ASR-227					
	iii. Axle No.	K-7528		K-5593		J-2892		J-2774			
	iv. Wheel Diameter	953.00	953.00	953.00	953.00	953.00	953.00	952.50	952.00		
	v. Wheel Disc No.	47009/4004K	08318/09195	46966/4004K	46954/4004K	51634/07344	51448/07250	51633/07344	51688/07344		
	vi. R.B. Nos.	Q3391	T0219	T0184	T0163	Q0349	Q0377	Q0370	Q0372		
	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.				WSF-565,572			WSF-577,80		
	ii.	SECONDARY Shock Absorber Make &NO.				K/B-02896,03054			K/B-83012,02857		
11.4	i.	Modification/ Trail (if any):				NIL					
	ii.	Deviations (if any):				NIL					

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