



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

1.	SHELL No:	5043	DISPATCH DATE:			25.02.2016
2.	Rly:	ER	Type:	MEMU/TC2	Coach No.:	26130
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 :	SANROK			
	ix)	Shaku Coupler Height	Specified : 1035 +0 /-5 mm		1035/1033	
	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 DETAILS:					
			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	
	Iv	FLOOR BOARD			NARBADA	
	V	UIC VESTIBULE			FRIKMART	
	Vi	LP SHEETS			PL	
	Vii	BODY SIDE WINDOW			ABC	
	Viii	EMERGENCY WINDOW			GI	
	Xi	DOOR WINDOW			MECIDONE	
	X	WATER TANK			RAIL FAB	
	Xi	LAV WINDOW			MECIDONE-	
	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		
		5043	ER		MEMU/TC		26130		17-02-2016		
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'										
11.2	Wheel & Axle Details:	PP Side				NPP Side					
	i. Bogie No.	164011				164012					
	ii. Frame No.	ASR-233				ASR-237					
	iii. Axle No.	06904		06572		K-5377		K-8160			
	iv. Wheel Diameter	953.00	953.00	953.00	953.00	953.50	953.00	952.00	952.00		
	v. Wheel Disc No.	65623/ 09487	51671/ 07344	46864/ 4004K	51624/ 07344	47039/ 4004K	47034/ 4004K	46968/ 4004K	51682/07 344		
	vi. R.B. Nos.	Q3362	Q3373	Q3280	Q3363	T0728	Q0327	Q0305	Q0342		
	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-7697,3146			PEW-2690,3147		
	ii.	SECONDARY Shock Absorber Make &NO.				K/B-3073,2930			K/B-3095,2925		
11.4	i.	Modification/ Trail (if any):				NIL					
	ii.	Deviations (if any):				NIL					

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ROLLING STOCK CERTIFICATE

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

1.	SHELL No:	5041	DISPATCH DATE:			11.02.2016
2.	Rly:	ER	Type:	MEMU/TC2	Coach No.:	26128
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	
	Iv	FLOOR BOARD			NARBADA	
	V	UIC VESTIBULE			FRINKMART	
	Vi	LP SHEETS			PUNJAM LAMINATE	
	Vii	BODY SIDE WINDOW			GI	
	Viii	EMERGENCY WINDOW			CP	
	Xi	DOOR WINDOW			MECIDONE	
	X	WATER TANK			AMIT	
	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		
		5041	ER		MEMU/TC		26128		05-02-2016		
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'										
11.2	Wheel & Axle Details:	PP Side				NPP Side					
	i. Bogie No.	164009				164010					
	ii. Frame No.	ASR-229				ASR-210					
	iii. Axle No.	06415		J-2761		K-5067		06926			
	iv. Wheel Diameter	952.50	952.00	953.00	953.00	952.50	952.00	953.00	953.00		
	v. Wheel Disc No.	46999/4004K	51625/07344	46956/4004K	46974/4004K	59279/08346	47037/4004K	51247/07094	46981/4004K		
	vi. R.B. Nos.	Q3380	Q3381	Q3384	Q3250	Q3379	V1249	Q3253	Q3355		
	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-81,567		WSF-88,77			
	ii.	SECONDARY Shock Absorber Make &NO.				K/B-02827,02939		K/B-02986,2975			
11.4	i.	Modification/ Trail (if any):				NIL					
	ii.	Deviations (if any):				NIL					

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

1.	SHELL No:	5042	DISPATCH DATE:			24.02.2016
2.	Rly:	ER	Type:	MEMU/TC2	Coach No.:	26129
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 :	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	86/87	
	8.2	APPLICATION OF PCN-123		SATISFACTORY		
	8.3	INSUALTION		SATISFACTORY		
9.	Traceability of Furnishing Items:					
	i.	BRAKE EQUIPMENT			Make WSF	
	ii.	SEAT & BERTH			OVPL	
	lii	PVC			RESPONSIVE	
	Iv	FLOOR BOARD			NARBADA	
	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	
	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			
		5042	ER	MEMU/TC	26129	17-02-2016			
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'								
11.2	Wheel & Axle Details:	PP Side				NPP Side			
	i. Bogie No.	164007				164008			
	ii. Frame No.	ASR-232				ASR-230			
	iii. Axle No.	K-7524		K-4366		J-3052		J-3030	
	iv. Wheel Diameter	953.00	953.00	952.00	952.00	953.00	953.00	953.00	953.00
	v. Wheel Disc No.	59231/08318	59179/08318	47035/4004K	59184/08318	46839/4004K	46961/4004K	47030/4004K	46823/4004K
	vi. R.B. Nos.	Q3358	Q3401	Q3354	Q3389	Q3400	Q3402	T0165	T0162
	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-0657,06904		PEW-K7524,K4366		
	ii.	SECONDARY Shock Absorber Make &NO.			K/B-03059,03104		K/B-03099,02835		
11.4	i.	Modification/ Trail (if any):			NIL				
	ii.	Deviations (if any):			NIL				

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ROLLING STOCK CERTIFICATE

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

1.	SHELL No:	5044	DISPATCH DATE:			26.02.2016
2.	Rly:	ER	Type:	MEMU/TC2	Coach No.:	26131
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 :	SANROK			
	ix)	Shaku Coupler Height	Specified : 1035 +0 /-5 mm		1033/1032	
	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 WSF	
	ii.	SEAT & BERTH			OVPL	
	lii	PVC			RESPONSIVE	
	Iv	FLOOR BOARD			NARBADA	
	V	UIC VESTIBULE			WRM	
	Vi	LP SHEETS			PL	
	Vii	BODY SIDE WINDOW			ABC	
	Viii	EMERGENCY WINDOW			GI	
	Xi	DOOR WINDOW			MECIDONE	
	X	WATER TANK			RAIL FAB	
	Xi	LAV WINDOW			AGF	
	xii	LAV DOOR			A M INDUSTRIES	
	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		
		5044	ER		MEMU/TC		26131		24-02-2016		
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'										
11.2	Wheel & Axle Details:	PP Side				NPP Side					
	i. Bogie No.	164014				164013					
	ii. Frame No.	ASR-243				ASR-240					
	iii. Axle No.	P-6131		06823		K-4499		K-4609			
	iv. Wheel Diameter	952.50	952.00	952.00	952.00	952.50	952.00	953.00	953.00		
	v. Wheel Disc No.	07297/929	06324/994	08919/940	09011/944	51723/07317	47033/4004K	51527/07250	51655/07344		
	vi. R.B. Nos.	Q0282	Q0316	T0154	Q3399	T0916	T0515	R3109	T0706		
	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-2465,3012			PEW-E2353,2342		
	ii.	SECONDARY Shock Absorber Make &NO.				K/B-6516,6517			K/B-3148,2931		
11.4	i.	Modification/ Trail (if any):				NIL					
	ii.	Deviations (if any):				NIL					

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