



ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

1.	SHELL No:	5034	DISPATCH DATE:			19.12.2015
2.	Rly:	ER	Type:	MEMU/TC2	Coach No.:	26120
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		1033/1035	
	x)	Shaku Coupler Make:	WSF			
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			AAR KAY FOAMS	
	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			GI	
	X	WATER TANK			RAIL FAB	
	Xi	LAV WINDOW			TWPL	
	xii	LAV DOOR			RCF	
10.	10.1	Modification/ Trial (if any):			NIL	
	10.2	Deviations (if any):			NIL	



रेल डिब्बा कारखाना, कपूरथला

Rail Coach Factory , Kapurthala

Page 2 of 3

11.	Bogie Details:	Shell No.	Railway		Type		Coach No.		Dispatch Date		
		5034	ER		MEMU/TC		26120		23-11-2015		
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'										
11.2	Wheel & Axle Details:	PP Side				NPP Side					
	i. Bogie No.	155062				155064					
	ii. Frame No.	ASR-211				ASR-182					
	iii. Axle No.	Y-8599		A-4199		97647/943		07314/937			
	iv. Wheel Diameter	954.00	954.00	954.00	954.00	954.00	953.50	953.00	952.50		
	v. Wheel Disc No.	08848/957	08840/944	06944/946	08850/943	97647/943	07314/937	10591/937	08882/937		
	vi. R.B. Nos.	H0833	H0854	H0845	H0846	H0829	H0831	G1518	G1582		
	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 & NO.				PEW-3036,3038			PEW-F5858,F2885		
	ii.	SECONDARY Shock Absorber Make &NO.				ESCORTS-8632,8596			ESCORTS-8552,8524		
11.4	i.	Modification/ Trail (if any):				NIL					
	ii.	Deviations (if any):				NIL					

MEMU/TC2—5034



ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

1.	SHELL No:	5026	DISPATCH DATE:			24.12.2015
2.	Rly:	ER	Type:	MEMU/TC2	Coach No.:	26121
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 :	WSF, ESCORTS			
	ix)	Shaku Coupler Height	Specified : 1035 +0 /-5 mm		1035/1035	
	x)	Shaku Coupler Make:	WSF, 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	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			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	



रेल डिब्बा कारखाना, कपूरथला

Rail Coach Factory , Kapurthala

Page 2 of 3

11.	Bogie Details:	Shell No.	Railway		Type		Coach No.		Dispatch Date
		5026	ER		MEMU/TC		26121		19-12-2015
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'								
11.2	Wheel & Axle Details:	PP Side				NPP Side			
	i. Bogie No.	155069				155070			
	ii. Frame No.	ASR-215				ASR-217			
	iii. Axle No.	S-7564		A-3955		Y-6962		A-3914	
	iv. Wheel Diameter	954.00	954.00	954.00	954.00	953.00	953.00	953.00	953.00
	v. Wheel Disc No.	08787/946	09036/960	09045/946	04274/944	10233/942	09699/939	09046/946	08918/928
	vi. R.B. Nos.	U2803	U2590	S0873	S0867	R0925	R0396	R0453	R0407
	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-568,576		WSF-78,578		
	ii.	SECONDARY Shock Absorber Make &NO.			IAI-139997,131684		ESCORTS-8853,8712		
11.4	i.	Modification/ Trail (if any):			NIL				
	ii.	Deviations (if any):			NIL				

MEMU/TC2—5026



ROLLING STOCK CERTIFICATE

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

1.	SHELL No:	5035	DISPATCH DATE:			14.01.2016
2.	Rly:	ER	Type:	MEMU/TC2	Coach No.:	26122
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		1035/1035	
	x)	Shaku Coupler Make:	WSF			
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			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	
	XIII	BIO TOILET			--	
10.	10.1	Modification/ Trial (if any):			NIL	
	10.2	Deviations (if any):			NIL	



रेल डिब्बा कारखाना, कपूरथला

Rail Coach Factory , Kapurthala

Page 2 of 3

11.	Bogie Details:	Shell No.	Railway		Type		Coach No.		Dispatch Date	
		5035	ER		MEMU/TC		26122		28-12-2015	
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
11.2	Wheel & Axle Details:	PP Side				NPP Side				
	i. Bogie No.	155071				155072				
	ii. Frame No.	ASR-218				ASR-220				
	iii. Axle No.	RWF-98227		RWF-98174		A-4690		A-3676		
	iv. Wheel Diameter	953.00	953.00	952.50	953.00	953.50	953.00	952.00	952.00	
	v. Wheel Disc No.	08924/937	08908/941	07160/943	11730/940	08971/957	07110/946	08998/943	08924/940	
	vi. R.B. Nos.	U2589	U2579	U2513	U2561	U2577	U2557	U2637	S0535	
	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-680,NIL		WSF-589,88		
	ii.	SECONDARY Shock Absorber Make &NO.				ESCORTS-0602,0369		ESCORTS-0418,0146		
11.4	i.	Modification/ Trail (if any):				NIL				
	ii.	Deviations (if any):				NIL				

MEMU/TC2—5035



ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

1.	SHELL No:	5036	DISPATCH DATE:			09.01.2016
2.	Rly:	ER	Type:	MEMU/TC2	Coach No.:	26123
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		1033/1035		
x)	Shaku Coupler Make:				WSF	
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					TAYAL
v	UIC VESTIBULE					WRM
Vi	LP SHEETS					PUNJAB LAMINATE
Vii	BODY SIDE WINDOW					GI
Viii	EMERGENCY WINDOW					GI
Xi	DOOR WINDOW					M
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	



रेल डिब्बा कारखाना, कपूरथला

Rail Coach Factory , Kapurthala

Page 2 of 3

11.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date				
		5036	ER	MEMU/TC	26123	30-12-2015				
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
11.2	Wheel & Axle Details:	PP Side				NPP Side				
	i. Bogie No.	155074				155073				
	ii. Frame No.	ASR-221				ASR-219				
	iii. Axle No.	Y-8477		A-3708		Y-8555		RWF-97946		
	iv. Wheel Diameter	953.00	953.00	952.50	952.00	953.00	953.00	953.00	953.00	
	v. Wheel Disc No.	08995/989	10371/939	08995/913	09039/944	10298/928	08848/927	09142/939	08868/942	
	vi. R.B. Nos.	Q0438	V1362	Q0509	S1109	V1373	V1355	V1345	V1359	
	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.			WSO-95,100		WSO-89,84			
	ii.	SECONDARY Shock Absorber Make &NO.			ESCORTS-0508,0260		ESCORTS-0175,0384			
11.4	i.	Modification/ Trail (if any):			NIL					
	ii.	Deviations (if any):			NIL					

MEMU/TC2—5036