



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

1.	SHELL No:	7002	DISPATCH DATE:			08.06.2017	
2.	Rly:	WR	Type:	MEMU/MC	Coach No.:	20047	
3.	Booked to	SSE/C&W/BRCY					
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 :			JLS		
	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	VIBGYOR	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		OVPL			
	lii	PVC		RESPONSIVE			
	Iv	FLOOR BOARD		TWPL			
	V	UIC VESTIBULE		KRP			
	Viv	LP SHEETS		--			
	Vii	BODY SIDE WINDOW		AGF			
	Viii	EMERGENCY WINDOW		AGF			
	xi	DOOR WINDOW		AGF			
10.	10.1	Modification/ Trial (if any):		NIL			
	10.2	Deviations (if any):		NIL			



रेल डिब्बा कारखाना
RAIL COACH FACTORY, KAPURTHALA

Bogie Pair ID: 175045046

11.	Bogie Details:	Shell No.	Railway		Type	Coach No.	Dispatch Date		
		7002	WR		MEMU	20047	08-JUN-17		
11.1 BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt "a"									
11.2 Wheel & Axle Details:									
11.2	i.	Bogie No.	175045				175046		
	ii.	Frame No.	CRG-133				CRG-128		
	iii.	Axle No.	M-0316		K-2314		G-7218		M-0443
	iv.	Wheel Diameter	954.00	954.00	954.00	954.00	954.00	954.00	954.00
	v.	Wheel Disc No.	20894-00185	57414-12038	57457-12038	02449-12893	02445-12893	02445-12893	76996-4004 12893-02380
	vi.	RB Nos	P058	P236	P136	P283	X0780	X0730	P239 P238
	vii.	RB Make	FAG		FAG		FAG		FAG
	viii.	RB Type	Direct Mounted Spherical Roller Bearing						
11.3 Items traceability:									
11.3	i.	Break Cylinder Make & No.	PEW- K12274, K8920, K14252, K14282			PEW- K14254, K14279, K14293, K14297			
	ii.	Secondary shock Absorber Make & NO.	IAI-124400, 124403			IAI-124395, 124397			
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:	7001	DISPATCH DATE:			07.06.2017
2.	Rly:	WR	Type:	MEMU/MC	Coach No.:	20048
3.	Booked to	SSE/C&W/BRCY				
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 :	JLS			
	ix)	Shaku Coupler Height	Specified : 1035 +0 /-5 mm		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	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		OVPL		
	lii	PVC		RESPONSIVE		
	lv	FLOOR BOARD		TWPL		
	v	UIC VESTIBULE		ELASTOMER		
	Viv	LP SHEETS		--		
	Vii	BODY SIDE WINDOW		AGF		
	Viii	EMERGENCY WINDOW		AGF		
	xi	DOOR WINDOW		AGF		
10.	10.1	Modification/ Trial (if any):			NIL	
	10.2	Deviations (if any):			NIL	



रेल डिब्बा कारखाना
RAIL COACH FACTORY, KAPURTHALA

Bogie Pair ID: 175047048

11.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date				
		7001	WR	MEMU	20048	07-JUN-17				
11.1 BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt "a"										
11.2 Wheel & Axle Details:										
11.2	i.	Bogie No.	175047			175048				
	ii.	Frame No.	CRG-130			CRG-146				
	iii.	Axle No.	K-2328	D-7736	M-0392	M-0364				
	iv.	Wheel Diameter	954.00	954.00	954.00	954.00	954.50	954.50		
	v.	Wheel Disc No.	4004K-47007	58178-09673	58438-09960	58435-09960	59275-00346	58081-08985	55315-08077	08985-58077
	vi.	RB Nos	X0707	X0700	P122	X0686	P156	X0725	X0738	X0764
	vii.	RB Make	FAG		FAG		FAG		FAG	
	viii.	RB Type	Direct Mounted Spherical Roller Bearing							
11.3 Items traceability:										
11.3	i.	Break Cylinder Make & No.	PEW- K14303, K14270, K14208, K14263			PEW- K14298, K14238, K14304, K14305				
	ii.	Secondary shock Absorber Make & NO.	IAI-124394, 124398			IAI-124421, 124413				
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:	7004	DISPATCH DATE:			22.06.2017
2.	Rly:	WR	Type:	MEMU/MC	Coach No.:	20050
3.	Booked to	SSE/C&W/BRCY				
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 :				JLS	
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	VIBGYOR	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			OVPL		
lii	PVC			RESPONSIVE		
Iv	FLOOR BOARD			TWPL		
V	UIC VESTIBULE			KRP		
Viv	LP SHEETS			PUNJAB LAMINATE		
Vii	BODY SIDE WINDOW			AGF		
Viii	EMERGENCY WINDOW			AGF		
xi	DOOR WINDOW			AGF		
10.	10.1	Modification/ Trial (if any):		NIL		
	10.2	Deviations (if any):		NIL		



रेल डिब्बा कारखाना
RAIL COACH FACTORY, KAPURTHALA

Bogie Pair ID: 175049052

11.	Bogie Details:	Shell No. 7004	Railway WR	Type MEMU	Coach No. 20050	Dispatch Date 22-JUN-17			
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt "a"								
11.2	Wheel & Axle Details:								
i.	Bogie No.	175049			175052				
ii.	Frame No.	CRG-144			CRG-127				
iii.	Axle No.	V-4809	M-0007		J-5225	G-7347			
iv.	Wheel Diameter	954.00	954.00	955.00	955.00	953.00	953.00	954.00	954.00
v.	Wheel Disc No.	12893-02416	12987-02737	57245-12062	57278-12062	54699-07340	02346-12860	58411-09960	51652-07344
vi.	RB Nos	Q0396	Q0375	E0777	E0762	Q0207	Q0206	Q0204	Q0198
vii.	RB Make	FAG		NBC		FAG		FAG	
viii.	RB Type	Direct Mounted Spherical Roller Bearing							
11.3	Items traceability:								
i.	Break Cylinder Make & No.	PEW-14272,14352,14283,14243			PEW-14276,14297,14240,14292				
ii.	Secondary shock Absorber Make & NO.	ESCORTS-3196,3190			IAI-124409,124390				
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:	7003	DISPATCH DATE:			22.06.2017
2.	Rly:	WR	Type:	MEMU/MC	Coach No.:	20049
3.	Booked to	SSE/C&W/BCRY				
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 :	JSL				
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	VIBGYOR	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			OVPL		
lii	PVC			RESPONSIVE		
Iv	FLOOR BOARD			TWPL		
V	UIC VESTIBULE			ELASTOMER		
Viv	LP SHEETS			PUNJAB LAMINATE		
Vii	BODY SIDE WINDOW			AGF		
Viii	EMERGENCY WINDOW			AGF		
xi	DOOR WINDOW			AGF		
10.	10.1	Modification/ Trial (if any):		NIL		
	10.2	Deviations (if any):		NIL		



रेल डिब्बा कारखाना
RAIL COACH FACTORY, KAPURTHALA

Bogie Pair ID: 175050051

11.	Bogie Details:	Shell No. 7003	Railway WR	Type MEMU	Coach No. 20049	Dispatch Date 22-JUN-17			
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt "a"								
11.2	Wheel & Axle Details:								
i.	Bogie No.	175050			175051				
ii.	Frame No.	CRG-141			CRG-137				
iii.	Axle No.	V-4814	V-4758	M-0166	M-0362				
iv.	Wheel Diameter	955.00	954.50	955.00	955.00	954.00	954.00	954.00	954.00
v.	Wheel Disc No.	09960-58450	02144-12816	09960-58436	55282-08077	15343-12286	10395-60803	65754-10395	15343-12248
vi.	RB Nos	E0766	E0749	X0735	X0778	P169	U144	P142	X0748
vii.	RB Make	NBC		FAG		FAG		FAG	
viii.	RB Type	Direct Mounted Spherical Roller Bearing							
11.3	Items traceability:								
i.	Break Cylinder Make & No.	PEW-14299,14257,14248,14261			PEW-14314,14266,14323,14320				
ii.	Secondary shock Absorber Make & NO.	IAI-124425,124419			IAI-124411,124426				
11.4	i.	Modification/Trail(if any):		NIL					
	ii.	Deviations (if any):		NIL					