



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;
Version: 05

1.	SHELL No:	4130	DISPATCH DATE:			15.12.2014	
2.	RAILWAY	NWR	Type:	WGACCN	Coach No.:	14117	
3.	Booked to	SSE/C&W/JP					
4.	Tare Weight of Coach :	52.53 T					
5.	Carrying Capacity :	Seating:	64	Sleeping:	64	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	1104/1102	1104/1100			
viii)	Buffer/CBC (Make)			REPL			
ix)	Draw Gear (Make)			EMSON			
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	86/87		
8.2	APPLICATION OF PCN-123			SATISFACTORY			
8.3	INSUALTION			SATISFACTORY			
9.	Traceability of Furnishing Items:						
i.	BRAKE EQUIPMENT			Make SIL			
ii.	SEAT & BERTH			OVPL			
iii.	WATER TANKS			SHIVALIK, RUBICONE			
iv.	PVC			RESPONSIVE/PREMIER POLIFYL			
v.	FLOOR BOARD			ORIENTAL			
vi.	UIC VESTIBULE			KRP			
vii.	LAV. DOORS			KALSI			
viii.	LP SHEET			NA			
ix)	BIO- TOILET			M K PRECISION			
10	10.1	Modification/ Trial (if any):			NIL		
.	10.2	Deviations (if any):			NIL		



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12.	Bogie Details:	Shell No.		Railway		Type		Coach No.		Dispatch Date	
		4130		NWR		WGACCN		14117		24-05-14	
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'										
12.2	Wheel & Axle Details:	PP Side					NPP Side				
	i.	Bogie No.	143152					143163			
	ii.	Frame No.	UBLS-4176					UBLS-963			
	iii.	Axle No.	V-9660		P-9965		U-4020		V-1474		
	iv.	Wheel Diameter	916.00	916.00	915.00	915.50	913.00	913.00	910.00	910.00	
	v.	Wheel Disc No.	19042/ 16671	119087 /16671	17223/ 16294	17154/ 16294	15782/ 16562	15071/ 16142	19094/ 16671	17135/16 294	
	vi.	R.B. Nos.	Y-2199	Y-2225	Y-2216	Y-2313	X-1842	X-1761	Y-1150	Y-1123	
	vii.	R.B. Make	NBC		NBC		FAG		FAG		
	viii	R.B. Type	Direct Mounted Spherical Roller Bearing								
12.3	Items Traceability:										
	i.	BRAKE CYLINDER (Make)					AJT,PEW				
	ii.	SECONDARY Shock Absorber (Make)					GABRIEL				
12.4	i.	Modification/ Trail (if any):					NIL				
	ii.	Deviations (if any):					LESS WHEEL DIA USED				

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1.	SHELL No:	4108	DISPATCH DATE:		15.12.2014
2.	RAILWAY	NWR	Type:	WGACCN	Coach No.: 14118
3.	Booked to	SSE/C&W/JP			
4.	Tare Weight of Coach :	52.53 T			
5.	Carrying Capacity :	Seating: 64	Sleeping: 64	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	1104/1102	1104/1104	
viii)	Buffer/CBC (Make)	REPL			
ix)	Draw Gear (Make)	EMSON			
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	86/87	
8.2	APPLICATION OF PCN-123	SATISFACTORY			
8.3	INSUALTION	SATISFACTORY			
9.	Traceability of Furnishing Items:				
i.	BRAKE EQUIPMENT	Make SIL			
ii.	SEAT & BERTH	OVPL			
iii.	WATER TANKS	AMIT, RAIL FAB			
iv.	PVC	RESPONSIVE			
v.	FLOOR BOARD	NARBADA			
vi.	UIC VESTIBULE	KRP			
vii.	LAV. DOORS	RCF			
viii.	LP SHEET	LP			
ix)	BIO- TOILET	DARSHAN			
10	10.1	Modification/ Trial (if any):	NIL		
.	10.2	Deviations (if any):	NIL		



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5.0. Details of Bogies:

Items	Alarm side				Non Alarm Side			
Bogie No	143143				143146			
Frame No.	UBLS-4225				UBLS-4194			
Axle No.	W-2259		U-4630		RWF-98316		S-1488	
Wheel Diameter	915.50	915.00	915.00	915.00	915.00	915.00	917.00	917.00
Wheel Disc No.	36122/0 1552	02997/1 2392	51998/0 8754	55030/0 9010	02985/ 12392	02839/1 2240	45257/0 3007	29739/0 1754
R.B. No.	B-1029	B-1086	B-1041	B-1066	B-1075	B-1076	O-47	O-30
R.B. Make	NBC		NBC		NBC		FAG	
Type	Direct Mounted Spherical Roller Bearing							

5.1 Traceability:

SNO	ITEM	PP Side Bogie	NPP side Bogie	Make
		Sr. nos.	Sr. nos.	
1	BRAKE CYLINDER NO	7592,7629	6859,6845	AJT
2	SECONDARY VERTICAL DAMPER	9925,10443	10131,10330	GAB

5.2 MODIFICATION (IF ANY):**5.3 DEVIATION (IF ANY):**



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1.	SHELL No:	4107	DISPATCH DATE:		18.12.2014	
2.	RAILWAY	NWR	Type:	WGACCN	Coach No.:	14119
3.	Booked to	SSE/C&W/JP				
4.	Tare Weight of Coach :	52.53 T				
5.	Carrying Capacity :	Seating: 64	Sleeping: 64	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	1104/1104	1104/1104		
viii)	Buffer/CBC (Make)	REPL				
ix)	Draw Gear (Make)	EMSON				
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	86/87		
8.2	APPLICATION OF PCN-123		SATISFACTORY			
8.3	INSUALTION		SATISFACTORY			
9.	Traceability of Furnishing Items:					
i.	BRAKE EQUIPMENT	Make SIL				
ii.	SEAT & BERTH	OVPL				
iii.	WATER TANKS	SHIVALIK, RAIL TECH				
iv.	PVC	RESPONSIVE				
v.	FLOOR BOARD	ORIENTAL				
vi.	UIC VESTIBULE	KRP				
vii.	LAV. DOORS	RCF				
viii.	LP SHEET	LP				
ix)	BIO- TOILET	DARSHAN				
10	10.1	Modification/ Trial (if any):	NIL			
.	10.2	Deviations (if any):	NIL			



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12.	Bogie Details:	Shell No.		Railway		Type		Coach No.		Dispatch Date
		4107		NWR		WGACCN		14119		29-11-2014
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
12.2	Wheel & Axle Details:	PP Side				NPP Side				
	i.	Bogie No.	143411				143414			
	ii.	Frame No.	UBLS-4259				UBLS-4364			
	iii.	Axle No.	U-4588		P-1991		RWF-92061		RWF-92041	
	iv.	Wheel Diameter	916.00	916.00	917.00	917.00	916.00	916.00	916.00	916.50
	v.	Wheel Disc No.	08808/259	08806/212	07006/252	08801/297	08061/369	08066/276	05905/232	04176/259
	vi.	R.B. Nos.	S210	S435	S202	S203	V1535	V1652	V1548	V1578
	vii.	R.B. Make	FAG		FAG		FAG		FAG	
	viii.	R.B. Type	Direct Mounted Spherical Roller Bearing							
12.3	Items Traceability:									
	i.	BRAKE CYLINDER (Make)				AJT				
	ii.	SECONDARY Shock Absorber (Make)				GABRIEL				
12.4	i.	Modification/ Trail (if any):				NIL				
	ii.	Deviations (if any):				NIL				

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Form No. :

QMF4254;
Version: 05

1.	SHELL No:	4136	DISPATCH DATE:			24.12.2014
2.	RAILWAY	NWR	Type:	WGACCN	Coach No.:	14120
3.	Booked to	SSE/C&W/JP				
4.	Tare Weight of Coach :	52.53 T				
5.	Carrying Capacity :	Seating:	64	Sleeping:	64	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	1104/1104	1104/1104	
	viii)	Buffer/CBC (Make)				REPL
	ix)	Draw Gear (Make)				EMSON
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	86/87	
	8.2	APPLICATION OF PCN-123		SATISFACTORY		
	8.3	INSUALTION		SATISFACTORY		
9.	Traceability of Furnishing Items:					
	i.	BRAKE EQUIPMENT			Make ESCORTS	
	ii.	SEAT & BERTH			OVPL	
	iii.	WATER TANKS			SHIVALIK	
	iv.	PVC			RESPONSIVE	
	v.	FLOOR BOARD			NARBADA	
	vi.	UIC VESTIBULE			KRP	
	vii.	LAV. DOORS			DHINJAN	
	viii.	LP SHEET			MILTON	
	ix)	BIO- TOILET			M K PRECISION	
10	10.1	Modification/ Trial (if any):			NIL	
.	10.2	Deviations (if any):			NIL	



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12.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date				
		4136	NW	WGACCN	14120	28-11-2014				
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
12.2	Wheel & Axle Details:	PP Side				NPP Side				
	i. Bogie No.	143412				143417				
	ii. Frame No.	UBLS-1042				UBLS-4336				
	iii. Axle No.	RWF-92487		W-2558		A-5172		Y-8566		
	iv. Wheel Diameter	917.00	917.00	916.50	917.00	917.00	916.50	916.50	917.00	
	v. Wheel Disc No.	08066/ 272	05862/ 295	08077/ 381	05586/ 227	07181/ 381	08774/ 269	09001/ 212	08762/21 2	
	vi. R.B. Nos.	V1568	V1570	V1551	V1487	V1302	V1557	V1572	V1535	
	vii. R.B. Make	FAG		FAG		FAG		FAG		
	viii. R.B. Type	Direct Mounted Spherical Roller Bearing								
12.3	<u>Items Traceability:</u>									
	i.	BRAKE CYLINDER (Make)				PEW, AJT				
	ii.	SECONDARY Shock Absorber (Make)				GABRIEL				
12.4	i.	Modification/ Trail (if any):				NIL				
	ii.	Deviations (if any):				NIL				

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