



रेल डिब्बा कारखाना, कपूरथला  
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

1.	SHELL No:	3219	DISPATCH DATE:		11.6.2014		
2.	RAILWAY	NR	Type:	WGACCN	Coach No.:	143103	
3.	Booked to	SSE/C&W/NDLS					
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		1102/1102	1094/1100		
viii)	Buffer/CBC (Make )				RIL		
ix)	Draw Gear (Make)				RK		
7.	Air Brake Testing:						
	Description			Specified			
7.1	Emergency Application	Time for 0 to 3.6 Kg/cm <sup>2</sup> 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 <sup>2</sup>		Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type)			
7.2	Insensitivity	BP dipped @ 0.30 Kg/cm <sup>2</sup> n 60 sec		No brake application			
7.3	Sensitivity	BP dipped @ 0.60 Kg/cm <sup>2</sup> 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	ADVANCE	86			
8.2	APPLICATION OF PCN-123		SATISFACTORY				
8.3	INSUALTION		SATISFACTORY				
9.	Traceability of Furnishing Items:				Make		
i.	BRAKE EQUIPMENT			KBI			
ii.	SEAT & BERTH			SAVITRI			
iii.	WATER TANKS			RAIL FAB & AMIT			
iv.	PVC			RESPONSIVE			
v.	FLOOR BOARD			NARBADA			
vi.	UIC VESTIBULE			KRP			
vii.	LAV. DOORS			SAVITRI			
viii.	LP SHEET			NA			
ix)	BIO- TOILET			OMAX			
10.	10.1	Modification/ Trial (if any):			NIL		
	10.2	Deviations (if any):			NIL		



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Shell No.: 3219

Dispatch Date: 15-03-2014

RLY	NR	Type	WGACCN	Coach No.	143103
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**5.0. Details of Bogies:**

Items	Alarm side				Non Alarm Side			
Bogie No	143080				143082			
Frame No.	UBLS-830				UBLS-4171			
Axle No.	W-2560		S-5261		8460		U-9331	
Wheel Diameter	918.00	917.50	918.00	918.00	917.50	917.00	918.00	918.00
Wheel Disc No.	03880/2 87	04125/2 54	03770/3 14	03961/3 68	02115/ 203	03915/2 52	03806/2 45	03757/2 90
R.B. No.	A-1063	A-1035	P-1397	P-1391	M-2325	M-2312	P-1345	P-1472
R.B. Make	NBC		FAG		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	5713,5324	1923,1651	AJT
2	SECONDARY VERTICAL DAMPER	120198,120172	120119,120094	IAI

**5.2 MODIFICATION (IF ANY):** NIL

**5.3 DEVIATION (IF ANY):** NIL

WGACCN-3219



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ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

1.	SHELL No:	3218	DISPATCH DATE:			14.6.2014	
2.	RAILWAY	NR	Type:	WGACCN	Coach No.:	143102	
3.	Booked to	SSE/C&W/NDLS					
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	1100/1103		
viii)	Buffer/CBC (Make )				RIL		
ix)	Draw Gear (Make)				RK		
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		ADVANCE	86		
8.2	APPLICATION OF PCN-123			SATISFACTORY			
8.3	INSUALTION			SATISFACTORY			
9.	Traceability of Furnishing Items:						
i.	BRAKE EQUIPMENT				SIL		
ii.	SEAT & BERTH				SAVITRI		
iii.	WATER TANKS				RAIL FAB & AMIT		
iv.	PVC				RESPONSIVE		
v.	FLOOR BOARD				NARBADA		
vi.	UIC VESTIBULE				KRP		
vii.	LAV. DOORS				SAVITRI		
viii.	LP SHEET				NA		
ix)	BIO- TOILET				RAIL FAB		
10.	10.1	Modification/ Trial (if any):				NIL	
	10.2	Deviations (if any):				NIL	



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Shell No.: 3218

Dispatch Date: 20-03-2014

RLY	NR	Type	WGACCN	Coach No.	143102
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5.0. Details of Bogies:

Items	Alarm side				Non Alarm Side			
Bogie No	143119				143120			
Frame No.	UBLS-4223				UBLS-4182			
Axle No.	1847		2744		U-8555		RWF-91435	
Wheel Diameter	917.50	917.50	918.00	918.00	917.50	917.50	918.00	917.50
Wheel Disc No.	97601/3 26	98921/3 28	04053/2 78	03867/2 25	04056/ 247	04067/2 68	03951/2 65	04084/2 47
R.B. No.	A-0800	A-0799	O-758	O-800	A-0834	A-0836	A-1757	A-1057
R.B. Make	NBC		FAG		NBC		NBC	
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	12288,12463	12383,E-13508	PEW
2	SECONDARY VERTICAL DAMPER	313,253	315,605	GABRIA L

5.2 MODIFICATION (IF ANY): NIL

5.3 DEVIATION (IF ANY): NIL

WGACCN-3218



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**ROLLING STOCK CERTIFICATE**

Form No. : QMF4254; Version: 05

1.	SHELL No:	<b>4007</b>	DISPATCH DATE:			<b>27.6.2014</b>	
2.	RAILWAY	<b>NR</b>	Type:	<b>WGACCN</b>	Coach No.:	<b>143101</b>	
3.	Booked to	<b>SSE/C&amp;W/NDLS</b>					
4.	Tare Weight of Coach :	<b>52.53 T</b>					
5.	Carrying Capacity :	Seating:	64	Sleeping:	64	Luggage:	<b>NIL</b>
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	<b>1104/1104</b>			<b>1100/1104</b>	
viii)	Buffer/CBC (Make )		<b>RIL</b>				
ix)	Draw Gear (Make)		<b>EMSON</b>				
7.	Air Brake Testing:						
	Description			Specified			
7.1	Emergency Application	Time for 0 to 3.6 Kg/cm <sup>2</sup> 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 <sup>2</sup>		Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type)			
7.2	Insensitivity	BP dipped @ 0.30 Kg/cm <sup>2</sup> n 60 sec		No brake application			
7.3	Sensitivity	BP dipped @ 0.60 Kg/cm <sup>2</sup> 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	<b>ADVANCE</b>	<b>86/87</b>			
8.2	APPLICATION OF PCN-123	<b>SATISFACTORY</b>					
8.3	INSUALTION	<b>SATISFACTORY</b>					
9.	Traceability of Furnishing Items:			Make			
i.	BRAKE EQUIPMENT			<b>ESCORTS</b>			
ii.	SEAT & BERTH			<b>SAVITRI</b>			
iii.	WATER TANKS			<b>RAIL FAB &amp; AMIT</b>			
iv.	PVC			<b>RESPONSIVE</b>			
v.	FLOOR BOARD			<b>NARBADA</b>			
vi.	UIC VESTIBULE			<b>KRP</b>			
vii.	LAV. DOORS			<b>SAVITRI</b>			
viii.	LP SHEET			<b>NA</b>			
ix)	BIO- TOILET			<b>M K PRECISION</b>			
10.	10.1	Modification/ Trial (if any):			<b>NIL</b>		
	10.2	Deviations (if any):			<b>NIL</b>		



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Shell No.: 4007

Dispatch Date: 07-04-2014

**5.0. Details of Bogies:**

Items	Alarm side				Non Alarm Side			
Bogie No	143132				143133			
Frame No.	UBLS-975				UBLS-998			
Axle No.	RWF-92251		RWF-98168		S-9260		V-9930	
Wheel Diameter	918.00	917.50	916.50	917.00	918.00	918.00	918.00	918.00
Wheel Disc No.	63150/0 6344	63328/0 6566	03235/1 2487	03201/1 2487	55108/ 09272	63358/0 6566	55459/0 2209	55018/0 9010
R.B. No.	B-0731	B-0728	B-1306	A-0566	B-0630	B-0628	B-0764	B-0733
R.B. Make	NBC		NBC		NBC		NBC	
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	6987,6821	6960,6919	AJT
2	SECONDARY VERTICAL DAMPER	7881,9883	9892,9890	GAB

**5.2 MODIFICATION (IF ANY):**

**5.3 DEVIATION (IF ANY):**

**WGACCN-4007**



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ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

1.	SHELL No:	4022	DISPATCH DATE:			16.7.2014	
2.	RAILWAY	NR	Type:	WGACCN	Coach No.:	143119	
3.	Booked to	SSE/C&W/NDLS					
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		1104/1103	1104/1104	
	viii)	Buffer/CBC (Make )				JLS	
	ix)	Draw Gear (Make)				CFPL	
7.	Air Brake Testing:						
		Description			Specified		
	7.1	Emergency Application	Time for 0 to 3.6 Kg/cm <sup>2</sup> 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 <sup>2</sup>		Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type)		
	7.2	Insensitivity	BP dipped @ 0.30 Kg/cm <sup>2</sup> n 60 sec		No brake application		
	7.3	Sensitivity	BP dipped @ 0.60 Kg/cm <sup>2</sup> 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		
	8.2	APPLICATION OF PCN-123				SATISFACTORY	
	8.3	INSUALTION				SATISFACTORY	
9.	Traceability of Furnishing Items:						
	i.	BRAKE EQUIPMENT			Make ESCORTS		
	ii.	SEAT & BERTH			SAVITRI		
	iii.	WATER TANKS			SHIVALIK & AMIT		
	iv.	PVC			RESPONSIVE		
	v.	FLOOR BOARD			NARBADA		
	vi.	UIC VESTIBULE			KRP		
	vii.	LAV. DOORS			SAVITRI		
	viii.	LP SHEET			NA		
	ix)	BIO- TOILET			DARSHAN		
10.	10.1	Modification/ Trial (if any):				NIL	
	10.2	Deviations (if any):				NIL	



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12.	<b>Bogie Details:</b>	<b>Shell No.</b>		<b>Railway</b>		<b>Type</b>		<b>Coach No.</b>		<b>Dispatch Date</b>	
		4022		NR		WGACCN		143119		10-05-14	
12.1	<b>BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'</b>										
12.2	<b>Wheel &amp; Axle Details:</b>		<b>PP Side</b>				<b>NPP Side</b>				
	i.	<b>Bogie No.</b>	143137				143160				
	ii.	<b>Frame No.</b>	UBLS-933				UBLS-988				
	iii.	<b>Axle No.</b>	7295		8248		2870		U-9811		
	iv.	<b>Wheel Diameter</b>	917.00	917.00	917.00	917.00	917.00	917.00	917.00	917.00	
	v.	<b>Wheel Disc No.</b>	06362/206	06285/279	06297/369	06298/314	06297/246	06306/270	06365/202	06355/239	
	vi.	<b>R.B. Nos.</b>	B-1215	B1223	B1175	B1169	B1212	B1228	B1158	B1165	
	vii.	<b>R.B. Make</b>	NBC		NBC		NBC		NBC		
	viii.	<b>R.B. Type</b>	Direct Mounted Spherical Roller Bearing								
12.3	<b>Items Traceability:</b>										
	i.	<b>BRAKE CYLINDER (Make)</b>					PEW,AJT				
	ii.	<b>SECONDARY Shock Absorber (Make)</b>					GABRIEL				
12.4	i.	<b>Modification/ Trail (if any):</b>					NIL				
	ii.	<b>Deviations (if any):</b>					NIL				

**WGACCN-4022**