



ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;  
Version: 05

1.	SHELL No:	<b>5143</b>	DISPATCH DATE:			<b>11.07.2015</b>	
2.	RAILWAY	<b>NFR</b>	Type:	<b>GS</b>	Coach No.:	<b>15475</b>	
3.	Booked to	<b>SSE/C&amp;W/GHY</b>					
4.	Tare Weight of Coach :	<b>36.99T</b>					
5.	Carrying Capacity :	Seating:	90	Sleeping:	<b>NIL</b>	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			200 mm			
vii)	Buffer/CBC Height	Specified : 1104 +0 /-10 mm		<b>1104/1103</b>	<b>1104/1103</b>		
viii)	Buffer/CBC (Make )			<b>ATUL</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>GS</b>	<b>85/85</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>OVPL</b>			
iii.	WATER TANKS			<b>AMIT, RAIL FAB</b>			
iv.	PVC			<b>TAYAL</b>			
v.	FLOOR BOARD			<b>RESPONSIVE</b>			
vi.	WINDOWS			<b>AGF, MECIDONE</b>			
vii.	LAV. DOORS			<b>GANDHI</b>			
viii.	LP SHEET			<b>NA</b>			
ix)	BIO- TOILET			<b>ORIENTAL</b>			
10.	10.1	Modification/ Trial (if any):			<b>NIL</b>		
	10.2	Deviations (if any):			<b>NIL</b>		



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11.	Bogie Details:	Shell No.		Railway		Type		Coach No.		Dispatch Date	
		5143		NFR		GS		15475		30-06-2015	
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'										
11.2	Wheel & Axle Details:		PP Side				NPP Side				
	i.	Bogie No.	150842				150844				
	ii.	Frame No.	ASR-304				ASR-301				
	iii.	Axle No.	V-9133		A-5325		A-4982		A-5460		
	iv.	Wheel Diameter	917.00	917.00	916.50	916.00	917.00	917.00	916.50	916.00	
	v.	Wheel Disc No.	11931/210	12176/254	12082/382	11822/240	12121/220	11952/273	11993/234	11894/297	
	vi.	R.B. Nos.	W1077	W1056	W0445	W1101	W0913	W1586	W0893	W1591	
	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-F11356,F11366			PEW-F11248,F11236		
	ii.	SECONDARY Shock Absorber Make &NO.				K/B-02804,02903			K/B-02798,02900		
11.4	i.	Modification/ Trail (if any):				NIL					
	ii.	Deviations (if any):				NIL					

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1.	SHELL No:	5137	DISPATCH DATE:			13.07.2015	
2.	RAILWAY	NFR	Type:	GS	Coach No.:	15472	
3.	Booked to	SSE/C&W/GHY					
4.	Tare Weight of Coach :	36.99T					
5.	Carrying Capacity :	Seating:	90	Sleeping:	NIL	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			200 mm			
vii)	Buffer/CBC Height	Specified : 1104 +0 /-10 mm		1104/1104	1104/1104		
viii)	Buffer/CBC (Make )			HEPL			
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		GS	85/86		
8.2	APPLICATION OF PCN-123			SATISFACTORY			
8.3	INSUALTION			SATISFACTORY			
9.	Traceability of Furnishing Items:			Make			
i.	BRAKE EQUIPMENT			ESCORTS			
ii.	SEAT & BERTH			OVPL			
iii.	WATER TANKS			RAIL FAB			
iv.	PVC			TAYAL			
v.	FLOOR BOARD			RESPONSIVE			
vi.	WINDOWS			AGF, MECIDONE			
vii.	LAV. DOORS			GANDHI			
viii.	LP SHEET			NA			
ix)	BIO- TOILET			ORIENTAL			
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				
		5137	NFR	GS	15472	01-07-2015				
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
11.2	Wheel & Axle Details:	PP Side				NPP Side				
	i. Bogie No.	150845				150846				
	ii. Frame No.	ASR-309				ASR-305				
	iii. Axle No.	Y-7402		Y-7816		A-4106		A4967		
	iv. Wheel Diameter	917.00	917.00	918.00	918.00	916.50	916.00	918.00	918.00	
	v. Wheel Disc No.	11783/214	11800/236	11956/391	12055/228	11871/379	11390/210	12063/287	11926/295	
	vi. R.B. Nos.	W0721	W0708	W0740	W0859	X1277	X1246	W1055	W1060	
	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-F11196,F11275		PEW-F11312,F11214			
	ii.	SECONDARY Shock Absorber Make &NO.			K/B-02791,02892		K/B-02794,02986			
11.4	i.	Modification/ Trail (if any):			NIL					
	ii.	Deviations (if any):			NIL					

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1.	SHELL No:	5138	DISPATCH DATE:			13.07.2015	
2.	RAILWAY	NFR	Type:	GS	Coach No.:	15467	
3.	Booked to	SSE/C&W/GHY					
4.	Tare Weight of Coach :	36.99T					
5.	Carrying Capacity :	Seating:	90	Sleeping:	NIL	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			200 mm			
vii)	Buffer/CBC Height	Specified : 1104 +0 /-10 mm		1104/1104	1104/1104		
viii)	Buffer/CBC (Make )			HEPL			
ix)	Draw Gear (Make)			EMSON			
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		GS	85/85		
8.2	APPLICATION OF PCN-123		SATISFACTORY				
8.3	INSUALTION		SATISFACTORY				
9.	Traceability of Furnishing Items:			Make			
i.	BRAKE EQUIPMENT			ESCORTS			
ii.	SEAT & BERTH			OVPL			
iii.	WATER TANKS			AMIT, RAIL FAB			
iv.	PVC			TAYAL			
v.	FLOOR BOARD			RESPONSIVE			
vi.	WINDOWS			AGF, MECIDONE			
vii.	LAV. DOORS			GANDHI			
viii.	LP SHEET			NA			
ix)	BIO- TOILET			ORIENTAL			
10.	10.1	Modification/ Trial (if any):		NIL			
	10.2	Deviations (if any):		NIL			



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11.	12.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date			
			5138	NFR	GS	15467	30-06-2015			
11.1	12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'								
11.2	12.2	Wheel & Axle Details:	PP Side				NPP Side			
		i. Bogie No.	150841				150843			
		ii. Frame No.	ASR-310				ASR-303			
		iii. Axle No.	A-5154		930		A-4969		A-4039	
		iv. Wheel Diameter	917.00	917.00	917.00	917.00	917.00	916.50	916.50	
		v. Wheel Disc No.	11809/387	11982/228	10624/371	12099/258	12110/371	11741/270	12116/217	10466/278
		vi. R.B. Nos.	X1251	X1210	X1256	X1417	W1592	W1529	W0856	W0761
		vii. R.B. Make	FAG		FAG		FAG		FAG	
		viii. R.B. Type	Direct Mounted Spherical Roller Bearing							
11.3	12.3	<u>Items Traceability:</u>			PP SIDE			NPP SIDE		
		i.	BRAKE CYLINDER Make & NO.			PEW-F11277,F11302			PEW-F11369,F11317	
		ii.	SECONDARY Shock Absorber Make &NO.			K/B-02894,02774			K/B-02789,02762	
11.4	12.4	i.	Modification/ Trail (if any):			NIL				
		ii.	Deviations (if any):			NIL				

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