



ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;
Version: 05

1.	SHELL No:	4115	DISPATCH DATE:		27.04.2015
2.	RAILWAY	ECOR	Type:	WGSCN	Coach No.: 15207
3.	Booked to	SSE/C&W/PUI			
4.	Tare Weight of Coach :	38.03			
5.	Carrying Capacity :	Seating: 72	Sleeping:	72	Luggage: NIL
6.	Shell Details: SE90017				
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			
vii)	Buffer/CBC Height	Specified : 1104 +0/-10 mm	1100/1104	1104/1104	
viii)	Buffer/CBC (Make)	ADE			
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	AUSTIN	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		
iv.	PVC		RESPONSIVE		
v.	FLOOR BOARD		TAYAL		
vi	UIC VESTIBULE		KRP		
vii	WINDOWS		ABC, MECIDON		
viii	LAV. DOORS		DHINJAN		
ix)	LP SHEET		NA		
x)	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					
		4115	ECOR	WGSCN	15207	15-04-2015					
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'										
12.2	Wheel & Axle Details:	PP Side					NPP Side				
	i.	Bogie No.	150423					150422			
	ii.	Frame No.	ASR-43					ASR-32			
	iii.	Axle No.	W-2826		W-2457		N-8037		A-3657		
	iv.	Wheel Diameter	916.00	916.00	917.00	917.00	916.50	916.50	916.00	916.00	
	v.	Wheel Disc No.	06965/ 223	03965/ 258	08256/ 212	10314/ 259	08851/ 246	10673/ 228	08093/ 373	10399/21 5	
	vi.	R.B. Nos.	L3021	L3051	C3103	C3086	L3220	L3226	L3064	L3229	
	vii.	R.B. Make	NBC		NBC		NBC		NBC		
	viii.	R.B. Type	Direct Mounted Spherical Roller Bearing								
12.3	<u>Items Traceability:</u>										
	i.	BRAKE CYLINDER (Make)					AJT				
	ii.	SECONDARY Shock Absorber (Make)					KNORR BREMSE				
12.4	i.	Modification/ Trail (if any):					NIL				
	ii.	Deviations (if any):					NIL				

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1.	SHELL No:	4120	DISPATCH DATE:			29.04.2015
2.	RAILWAY	ECOR	Type:	WGSCN	Coach No.:	15212
3.	Booked to	SSE/C&W/BBS				
4.	Tare Weight of Coach :	38.03				
5.	Carrying Capacity :	Seating:	72	Sleeping:	72	Luggage: NIL
6.	Shell Details: SE90017					
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			
vii)	Buffer/CBC Height	Specified : 1104 +0/-10 mm	1104/1104			1104/1104
viii)	Buffer/CBC (Make)		ADE			
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	APEX	85/85	
8.2	APPLICATION OF PCN-123		SATISFACTORY			
8.3	INSUALTION		SATISFACTORY			
9.	Traceability of Furnishing Items:			Make		
i.	BRAKE EQUIPMENT		FAIVELEY			
ii.	SEAT & BERTH		OVPL			
iii.	WATER TANKS		AMIT, RAIL FAB			
iv.	PVC		RESPONSIVE			
v.	FLOOR BOARD		TAYAL			
vi.	UIC VESTIBULE		KRP			
vii.	WINDOWS		ABC, MECIDON			
viii.	LAV. DOORS		KALSI			
ix)	LP SHEET		NA			
x)	BIO- TOILET		OMAX, DE			
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		
		4120	ECOR		WGSCN		15212		21-04-2015		
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'										
12.2	Wheel & Axle Details:	PP Side					NPP Side				
	i.	Bogie No.	150410					150409			
	ii.	Frame No.	UBLS-1337					UBLS-1316			
	iii.	Axle No.	A-4547		N-7522		A-5758		Z-7581		
	iv.	Wheel Diameter	916.00	916.00	916.50	916.50	917.00	917.00	917.50	917.50	
	v.	Wheel Disc No.	62802/08675	02782/08675	11963/15571	12186/14227	09607/14962	09932/13966	09593/14867	09862/13966	
	vi.	R.B. Nos.	L3007	L2992	L2828	L2831	A0900	A1466	A0930	A0918	
	vii.	R.B. Make	NBC		NBC		NBC		NBC		
	viii.	R.B. Type	Direct Mounted Spherical Roller Bearing								
12.3	<u>Items Traceability:</u>										
	i.	BRAKE CYLINDER (Make)					AJT				
	ii.	SECONDARY Shock Absorber (Make)					KNORR BREMSE				
12.4	i.	Modification/ Trail (if any):					NIL				
	ii.	Deviations (if any):					NIL				

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1.	SHELL No:	4123	DISPATCH DATE:			29.04.2015
2.	RAILWAY	ECOR	Type:	WGSCN	Coach No.:	15211
3.	Booked to	SSE/C&W/BBS				
4.	Tare Weight of Coach :	38.03				
5.	Carrying Capacity :	Seating:	72	Sleeping:	72	Luggage: NIL
6.	Shell Details: SE90017					
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			
vii)	Buffer/CBC Height	Specified : 1104 +0 /-10 mm	1104/1104	1104/1104		
viii)	Buffer/CBC (Make)		ADE			
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	APEX	85/85		
8.2	APPLICATION OF PCN-123		SATISFACTORY			
8.3	INSUALTION		SATISFACTORY			
9.	Traceability of Furnishing Items:			Make		
i.	BRAKE EQUIPMENT		FAIVELEY			
ii.	SEAT & BERTH		OVPL			
iii.	WATER TANKS		AMIT			
iv.	PVC		RESPONSIVE			
v.	FLOOR BOARD		TAYAL			
vi	UIC VESTIBULE		ELASTOMER			
vii	WINDOWS		ABC, MECIDON			
viii	LAV. DOORS		DHINJAN			
ix)	LP SHEET		NA			
x)	BIO- TOILET		OMAX, ORIENTAL			
10.	10.1	Modification/ Trial (if any):			NIL	
	10.2	Deviations (if any):			NIL	



12.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date			
		4123	ECOR	WGSCN	15211	21-04-2015			
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'								
12.2	Wheel & Axle Details:	PP Side				NPP Side			
	i. Bogie No.	150412				150411			
	ii. Frame No.	ASR-1073				ASR-961			
	iii. Axle No.	RWF-99199		A-3644		T-3308		A-3582	
	iv. Wheel Diameter	915.00	915.00	917.00	917.00	917.00	917.00	917.00	917.00
	v. Wheel Disc No.	11983/15571	11854/15529	09925/13966	11394/15420	09354/13353	11354/13399	06113/13471	09703/14820
	vi. R.B. Nos.	L3045	L3068	A0730	A1505	A0264	A1498	A0959	A0961
	vii. R.B. Make	NBC		NBC		NBC		NBC	
	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)				KNORR BREMSE			
12.4	i.	Modification/ Trail (if any):				NIL			
	ii.	Deviations (if any):				NIL			

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Version: 05

1.	SHELL No:	4122	DISPATCH DATE:			28.04.2015
2.	RAILWAY	ECOR	Type:	WGSCN	Coach No.:	15208
3.	Booked to	SSE/C&W/PUI				
4.	Tare Weight of Coach :	38.03				
5.	Carrying Capacity :	Seating:	72	Sleeping:	72	Luggage: NIL
6.	Shell Details: SE90017					
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		
vii)	Buffer/CBC Height	Specified : 1104 +0 /-10 mm		1104/1104	1104/1104	
viii)	Buffer/CBC (Make)			ADE		
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		APEX	85/85	
8.2	APPLICATION OF PCN-123		SATISFACTORY			
8.3	INSUALTION		SATISFACTORY			
9.	Traceability of Furnishing Items:			Make		
i.	BRAKE EQUIPMENT			FAIVELEY		
ii.	SEAT & BERTH			OVPL		
iii.	WATER TANKS			AMIT		
iv.	PVC			RESPONSIVE		
v.	FLOOR BOARD			TAYAL		
vi.	UIC VESTIBULE			KRP		
vii.	WINDOWS			MECIDON		
viii.	LAV. DOORS			DHINJAN		
ix)	LP SHEET			NK		
x)	BIO- TOILET			M K PRECISION, 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			
		4122	ECOR	WGSCN	15208	17-04-2015			
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'								
12.2	Wheel & Axle Details:	PP Side				NPP Side			
	i. Bogie No.	150413				150414			
	ii. Frame No.	ASR-31				ASR-42			
	iii. Axle No.	RWF-92849		A-3537		P-3398		A4330	
	iv. Wheel Diameter	917.00	917.50	917.00	917.00	917.00	917.00	915.00	915.00
	v. Wheel Disc No.	06392/ 13600	09424/ 13353	11990/ 15571	12051/ 15571	09398/ 13353	09306/ 13353	08848/ 13172	11234/13 399
	vi. R.B. Nos.	A1395	A0738	M3237	M-3239	L3048	L3032	M3190	M3212
	vii. R.B. Make	NBC		NBC		NBC		NBC	
	viii. R.B. Type	Direct Mounted Spherical Roller Bearing							
12.3	<u>Items Traceability:</u>								
	i.	BRAKE CYLINDER (Make)				AJT			
	ii.	SECONDARY Shock Absorber (Make)				KNORR BREMSE			
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:	4117	DISPATCH DATE:			01.05.2015
2.	RAILWAY	ECOR	Type:	WGSCN	Coach No.:	15209
3.	Booked to	SSE/C&W/PUI				
4.	Tare Weight of Coach :	38.03				
5.	Carrying Capacity :	Seating:	72	Sleeping:	72	Luggage: NIL
6.	Shell Details: SE90017					
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			
vii)	Buffer/CBC Height	Specified : 1104 +0 /-10 mm	1104/1104			1104/1104
viii)	Buffer/CBC (Make)		ADE			
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		APEX	85/85	
8.2	APPLICATION OF PCN-123		SATISFACTORY			
8.3	INSUALTION		SATISFACTORY			
9.	Traceability of Furnishing Items:			Make		
i.	BRAKE EQUIPMENT		FAIVELEY			
ii.	SEAT & BERTH		OVPL			
iii.	WATER TANKS		AMIT			
iv.	PVC		RESPONSIVE			
v.	FLOOR BOARD		TAYAL			
vi	UIC VESTIBULE		KRP			
vii	WINDOWS		ABC, MECIDON			
viii	LAV. DOORS		DHINJAN			
ix)	LP SHEET		NK			
x)	BIO- TOILET		M K PRECISION, DE			
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			
		4117	ECOR	WGSCN	15209	17-04-2015			
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'								
12.2	Wheel & Axle Details:	PP Side				NPP Side			
	i. Bogie No.	150424				150425			
	ii. Frame No.	ASR-1080				ASR-1048			
	iii. Axle No.	W-3009		W-2863		W-2784		A-4714	
	iv. Wheel Diameter	917.00	917.00	917.00	917.00	917.00	917.00	917.00	917.00
	v. Wheel Disc No.	10742/256	10333/371	10361/279	06930/285	10130/382	10734/315	10479/211	10749/214
	vi. R.B. Nos.	C-3115	C-3126	C-3227	C-3084	C-3122	C-3091	C3104	C3093
	vii. R.B. Make	NBC		NBC		NBC		NBC	
	viii. R.B. Type	Direct Mounted Spherical Roller Bearing							
12.3	<u>Items Traceability:</u>								
	i. BRAKE CYLINDER (Make)					AJT			
	ii. SECONDARY Shock Absorber (Make)					KNORR BREMSE			
12.4	i. Modification/ Trail (if any):					NIL			
	ii. Deviations (if any):					NIL			

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