



ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

1.	SHELL No:	4084	DISPATCH DATE:				25.02.2015
2.	RAILWAY	ECR	Type:	GSLRD	Coach No.:	14709	
3.	Booked to			SSE/C&W/JYG			
4.	Tare Weight of Coach :			37.10 T			
5.	Carrying Capacity :	Seating:	20	Sleeping:	4	Luggage: 8T	
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)			JLS		
	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	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			FLEXO FOAMS		
	iii.	WATER TANKS			AMIT, RUBICONE		
	iv.	PVC			PREMIER POLYFILM		
	v.	FLOOR BOARD			ORIENTAL/TAYAL		
	vi.	UIC VESTIBULE			NA		
	vii.	LAV. DOORS			DHINJAN		
	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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12.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date			
		4084	ECR	GSLRD	14709	30-01-2015			
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'								
12.2	Wheel & Axle Details:	PP Side				NPP Side			
	i. Bogie No.	150101				150098			
	ii. Frame No.	ASR-858				ASR-772			
	iii. Axle No.	P-3589		9172		P-3418		9114	
	iv. Wheel Diameter	917.00	916.50	917.00	917.00	917.00	916.50	916.00	916.00
	v. Wheel Disc No.	07244/212	05933/377	08866/278	09114/327	07276/244	05829/251	09001/369	09108/272
	vi. R.B. Nos.	U1291	U1247	U2456	U2466	U1151	U1346	L-3105	L-3111
	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)				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:	4099	DISPATCH DATE:			05.03.2015
2.	RAILWAY	ECR	Type:	GSLRD	Coach No.:	14711
3.	Booked to			SSE/C&W/SHC		
4.	Tare Weight of Coach :			37.10 T		
5.	Carrying Capacity :	Seating:	20	Sleeping:	4	Luggage: 8T
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)			JLS		
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	APC	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			FLEXO FOAMS		
iii.	WATER TANKS			AMIT, RAIL FAB		
iv.	PVC			PREMIER POLYFILM		
v.	FLOOR BOARD			ORIENTAL/TAYAL		
vi.	UIC VESTIBULE			NA		
vii.	LAV. DOORS			DHINJAN		
viii.	LP SHEET			LP		
ix)	BIO- TOILET			RAIL TECH		
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				
		4099	ECR		GSLRD	14711	14-02-2015				
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'										
12.2	Wheel & Axle Details:	PP Side					NPP Side				
	i.	Bogie No.	150193					150192			
	ii.	Frame No.	ASR-913					RBO-1305			
	iii.	Axle No.	9591		W-2748		9449		A-3913		
	iv.	Wheel Diameter	916.00	916.00	916.00	916.00	917.00	916.50	916.50	917.00	
	v.	Wheel Disc No.	10365/289	10366/385	10305/218	10294/275	09099/236	10305/233	10329/380	10305/278	
	vi.	R.B. Nos.	L-3079	L-2792	J-1972	J-1945	J-2237	J-2212	J-2252	J-2228	
	vii.	R.B. Make	NBC		NBC		NBC		NBC		
	viii.	R.B. Type	Direct Mounted Spherical Roller Bearing								
12.3	Items Traceability:										
	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:	4088	DISPATCH DATE:			03.03.2015
2.	RAILWAY	ECR	Type:	GSLRD	Coach No.:	14710
3.	Booked to			SSE/C&W/JYG		
4.	Tare Weight of Coach :			37.10 T		
5.	Carrying Capacity :	Seating:	20	Sleeping:	4	Luggage: 8T
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)			JLS	
	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	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		FLEXO FOAMS		
	iii.	WATER TANKS		AMIT, RUBICONE		
	iv.	PVC		PREMIER POLYFILM		
	v.	FLOOR BOARD		ORIENTAL/TAYAL		
	vi.	UIC VESTIBULE		NA		
	vii.	LAV. DOORS		DHINJAN		
	viii.	LP SHEET		NK		
	ix)	BIO- TOILET		OMAX		
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		
		4088		ECR		GS		14710		04-06-14		
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'											
12.2	Wheel & Axle Details:	PP Side						NPP Side				
	i.	Bogie No.	140676						140680			
	ii.	Frame No.	RBO-962						RBO-960			
	iii.	Axle No.	V-0211			1159			779		108937/462	
	iv.	Wheel Diameter	912.00	912.00	917.00	917.00	915.50	915.00	915.00	915.00		
	v.	Wheel Disc No.	15018/ 16142	15226/ 12212	24935/ 15035	24910/ 15035	20548/ 15801	23287/ 14943	10323/ 05999	42009/01 405		
	vi.	R.B. Nos.	Y1129	Y1153	X1858	X1832	B-0702	B-0680	B-0666	B-1096		
	vii.	R.B. Make	FAG			FAG			NBC		NBC	
	viii.	R.B. Type	Direct Mounted Spherical Roller Bearing									
12.3	Items Traceability:											
	i.	BRAKE CYLINDER (Make)						AJT				
	ii.	SECONDARY Shock Absorber (Make)						ESCORTS				
12.4	i.	Modification/ Trail (if any):						NIL				
	ii.	Deviations (if any):						LESS WHEEL DIA				

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Form No. : QMF4254; Version: 05

1.	SHELL No:	4096	DISPATCH DATE:			01.04.2015
2.	RAILWAY	ECR	Type:	GSLRD	Coach No.:	14712
3.	Booked to			SSE/C&W/SHC		
4.	Tare Weight of Coach :			37.10 T		
5.	Carrying Capacity :	Seating:	20	Sleeping:	4	Luggage: 8T
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		1104/1094	1104/1104	
viii)	Buffer/CBC (Make)			JLS		
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	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			FLEXO FOAMS		
iii.	WATER TANKS			RUBICONE		
iv.	PVC			PREMIER POLYFILM		
v.	FLOOR BOARD			ORIENTAL/TAYAL		
vi.	UIC VESTIBULE			NA		
vii.	LAV. DOORS			DHINJAN, AMIR CHAND & ANKUR		
viii.	LP SHEET			NK		
ix)	BIO- TOILET			RAIL TECH		
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		
		4096	ECR		GSLRD		14712		18-02-2015		
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'										
12.2	Wheel & Axle Details:	PP Side					NPP Side				
	i.	Bogie No.	150203					150205			
	ii.	Frame No.	ASR-942					ASR-945			
	iii.	Axle No.	5184		U-4148		7002		U-4336		
	iv.	Wheel Diameter	916.50	916.00	916.50	917.00	916.00	916.00	916.50	916.00	
	v.	Wheel Disc No.	10272/ 228	10364/ 218	10294/ 286	10296/ 215	10366/ 222	10350/ 386	06941/ 372	06930/21 2	
	vi.	R.B. Nos.	J2289	J2285	J2183	J2207	L3073	L3071	L3104	L3081	
	vii.	R.B. Make	NBC		NBC		NBC		NBC		
	viii.	R.B. Type	Direct Mounted Spherical Roller Bearing								
12.3	Items Traceability:										
	i.	BRAKE CYLINDER (Make)					AJT,PEW				
	ii.	SECONDARY Shock Absorber (Make)					KNORR BREMSE				
12.4	i.	Modification/ Trail (if any):					NIL				
	ii.	Deviations (if any):					NIL				

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