



रेल डिब्बा कारखाना, कपूरथला  
Rail Coach Factory , Kapurthala

Page 1 of 3

ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;  
Version: 05

1.	SHELL No:	<b>4438</b>	DISPATCH DATE:		<b>05.12.2014</b>
2.	RAILWAY	<b>NCR</b>	Type:	<b>GS</b>	Coach No.:
3.	Booked to	<b>SSE/C&amp;W/GWL</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>1104/1100</b>	<b>1102/1102</b>	
viii)	Buffer/CBC (Make )		<b>REPL</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>VIBGYOR</b>	<b>85/86</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>MANOJ</b>		
iii.	WATER TANKS		<b>AMIT</b>		
iv.	PVC		<b>RESPONSIVE</b>		
v.	FLOOR BOARD		<b>TAYAL</b>		
vi.	WINDOWS		<b>ABC, MECIDON</b>		
vii.	LAV. DOORS		<b>RCF</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>		



रेल डिब्बा कारखाना, कपूरथला  
Rail Coach Factory , Kapurthala

Page 2 of 3

12.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date				
		4438	NCR	GS	14416	21-11-2014				
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
12.2	Wheel & Axle Details:	PP Side				NPP Side				
	i. Bogie No.	141476				141474				
	ii. Frame No.	ASR-545				ASR-617				
	iii. Axle No.	7344		0794		105983/463		106188/090		
	iv. Wheel Diameter	915.00	915.00	917.00	917.00	913.00	913.00	909.00	909.00	
	v. Wheel Disc No.	63330/ 273	64272/ 314	08940/ 239	08941/ 218	70387/ 283	64625/ 291	84070/ 258	79976/39 1	
	vi. R.B. Nos.	R-185	R-218	R-60	R-110	R-189	R-201	R-246	S-1466	
	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				
	ii.	SECONDARY Shock Absorber (Make)				GABRIEL				
12.4	i.	Modification/ Trail (if any):				NIL				
	ii.	Deviations (if any):				LESS WHEEL DIA				

GS-4438



रेल डिब्बा कारखाना, कपूरथला  
Rail Coach Factory , Kapurthala

Page 1 of 3

ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;  
Version: 05

1.	SHELL No:	4440	DISPATCH DATE:			05.12.2014
2.	RAILWAY	NCR	Type:	GS	Coach No.:	14413
3.	Booked to	SSE/C&W/JHS				
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 )	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	AUSTEN	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		MANOJ		
	iii.	WATER TANKS		AMIT		
	iv.	PVC		RESPONSIVE/PREMIER POLYFIL		
	v.	FLOOR BOARD		TAYAL		
	vi.	WINDOWS		ABC, MECIDON		
	vii.	LAV. DOORS		RCF		
	viii.	LP SHEET		LP		
	ix)	BIO- TOILET		M K PRECISION		
10.	10.1	Modification/ Trial (if any):			NIL	
	10.2	Deviations (if any):			NIL	



रेल डिब्बा कारखाना, कपूरथला  
Rail Coach Factory , Kapurthala

Page 2 of 3

12.	Bogie Details:	Shell No.		Railway		Type		Coach No.		Dispatch Date	
		4440		NCR		GS		14413		25-11-2014	
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'										
12.2	Wheel & Axle Details:	PP Side						NPP Side			
	i. Bogie No.	141472						141470			
	ii. Frame No.	ASR-567						ASR-640			
	iii. Axle No.	U-8140			832			A-5366		F-4353	
	iv. Wheel Diameter	916.00	916.00	917.00	917.00	917.00	917.00	917.00	917.00	917.00	
	v. Wheel Disc No.	08076-213	08070/257	08828/384	08769/201	06942/280	08747/227	06951/384	08101/38	3	
	vi. R.B. Nos.	T-2121	T-2273	S-619	S-742	S-576	S-671	S-579	S-732		
	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			

GS-4440



रेल डिब्बा कारखाना, कपूरथला  
Rail Coach Factory , Kapurthala

Page 1 of 3

ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;  
Version: 05

1.	SHELL No:	<b>4444</b>	DISPATCH DATE:		<b>06.12.2014</b>
2.	RAILWAY	<b>NCR</b>	Type:	<b>GS</b>	Coach No.:
3.	Booked to	<b>SSE/C&amp;W/JHS</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>1104/1104</b>	<b>1104/1104</b>	
viii)	Buffer/CBC (Make )		<b>REPL</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>VIBGYOR</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		ESCORTS		
ii.	SEAT & BERTH		AAR KAY FOAMS		
iii.	WATER TANKS		AMIT		
iv.	PVC		RESPONSIVE/PREMIER POLYFIL		
v.	FLOOR BOARD		TAYAL		
vi.	WINDOWS		ABC, MECIDON		
vii.	LAV. DOORS		RCF		
viii.	LP SHEET		LP		
ix)	BIO- TOILET		M K PRECISION		
10.	10.1	Modification/ Trial (if any):		<b>NIL</b>	
	10.2	Deviations (if any):		<b>NIL</b>	



12.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date				
		4444	NCR	GS	14412	01-10-2014				
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
12.2	Wheel & Axle Details:	PP Side				NPP Side				
	i.	Bogie No.	141250				141249			
	ii.	Frame No.	ASR-413				UBLS-1110			
	iii.	Axle No.	3566		3852		3500		3151	
	iv.	Wheel Diameter	915.00	915.00	918.00	918.00	915.50	915.00	916.00	916.00
	v.	Wheel Disc No.	45309/ 04936	45325/ 04636	45348/ 04936	28225/ 16974	45316/ 04936	15347/ 04936	45350/ 04936	45293/04 936
	vi.	R.B. Nos.	F0835	F0601	T2666	T1389	F0625	F0843	F0614	F0811
	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				



ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;  
Version: 05

1.	SHELL No:	4442	DISPATCH DATE:			06.12.2014
2.	RAILWAY	NCR	Type:	GS	Coach No.:	14418
3.	Booked to	SSE/C&W/GWL				
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 )	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	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		MANOJ		
	iii.	WATER TANKS		AMIT		
	iv.	PVC		RESPONSIVE		
	v.	FLOOR BOARD		TAYAL		
	vi.	WINDOWS		ABC, MECIDON		
	vii.	LAV. DOORS		RCF, JR		
	viii.	LP SHEET		NA		
	ix)	BIO- TOILET		M K PRECISION		
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				
		4442	NCR	GS	14418	30-09-2014				
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
12.2	Wheel & Axle Details:	PP Side				NPP Side				
	i.	Bogie No.	141237				141242			
	ii.	Frame No.	UBLS-1062				ASR-471			
	iii.	Axle No.	2921		3830		S-3533		5122	
	iv.	Wheel Diameter	916.00	916.00	915.00	915.00	916.00	916.00	916.00	916.00
	v.	Wheel Disc No.	08779/ 379	08801/ 381	08761/ 294	08862/ 376	08759/ 386	08757/ 212	08833/ 387	08732/29 5
	vi.	R.B. Nos.	F-0819	F-0825	T-538	T-537	T-1412	T-1388	T-1956	T-1497
	vii.	R.B. Make	NBC		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				





रेल डिब्बा कारखाना, कपूरथला  
Rail Coach Factory , Kapurthala

Page 1 of 3

ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;  
Version: 05

1.	SHELL No:	<b>4406</b>	DISPATCH DATE:			<b>08.12.2014</b>
2.	RAILWAY	<b>NCR</b>	Type:	<b>GS</b>	Coach No.:	<b>14406</b>
3.	Booked to	<b>SSE/C&amp;W/CNB</b>				
4.	Tare Weight of Coach :	<b>36.99T</b>				
5.	Carrying Capacity :	Seating:	<b>90</b>	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>1104/1104</b>			<b>1104/1104</b>
viii)	Buffer/CBC (Make )		<b>REPL</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>VIBGYOR</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>AAR KAY FOAMS</b>			
iii.	WATER TANKS		<b>AMIT</b>			
iv.	PVC		<b>RESPONSIVE</b>			
v.	FLOOR BOARD		<b>TAYAL</b>			
vi.	WINDOWS		<b>ABC, MECIDON</b>			
vii.	LAV. DOORS		<b>RCF</b>			
viii.	LP SHEET		<b>PUNJAB LAMINATE</b>			
ix)	BIO- TOILET		<b>OMAX</b>			
10.	10.1	Modification/ Trial (if any):			<b>NIL</b>	
	10.2	Deviations (if any):			<b>NIL</b>	



रेल डिब्बा कारखाना, कपूरथला  
Rail Coach Factory , Kapurthala

12.	Bogie Details:	Shell No.	Railway		Type	Coach No.		Dispatch Date		
		4406	NCR		GS	14406		04-12-2014		
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
12.2	Wheel & Axle Details:	PP Side				NPP Side				
	i.	Bogie No.	141550				141524			
	ii.	Frame No.	UBLS-1199				ASR-609			
	iii.	Axle No.	N-1603		S-1808		U-4062		Y-7193	
	iv.	Wheel Diameter	915.00	915.00	917.00	917.00	917.00	917.00	916.00	916.00
	v.	Wheel Disc No.	08947/379	07358/373	09137/250	07097/286	08892/225	09033/204	09035/287	09138/384
	vi.	R.B. Nos.	S-549	V-1166	V-1049	V-1033	V-1124	V-1153	V-1053	V-1111
	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)				KNORR BREMSE				
12.4	i.	Modification/ Trail (if any):				NIL				
	ii.	Deviations (if any):				NIL				



ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;  
Version: 05

1.	SHELL No:	<b>4445</b>	DISPATCH DATE:			<b>08.12.2014</b>	
2.	RAILWAY	<b>NCR</b>	Type:	<b>GS</b>	Coach No.:	<b>14415</b>	
3.	Booked to	<b>SSE/C&amp;W/GWL</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>1104/1102</b>	<b>1104/1104</b>		
	viii)	Buffer/CBC (Make )	<b>REPL</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/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	<b>VIBGYOR</b>	<b>85/86</b>		
	8.2	APPLICATION OF PCN-123		<b>SATISFACTORY</b>			
	8.3	INSUALTION		<b>SATISFACTORY</b>			
9.	Traceability of Furnishing Items:						
	i.	BRAKE EQUIPMENT		Make <b>ESCORTS</b>			
	ii.	SEAT & BERTH		<b>MANOJ</b>			
	iii.	WATER TANKS		<b>AMIT</b>			
	iv.	PVC		<b>RESPONSIVE</b>			
	v.	FLOOR BOARD		<b>TAYAL</b>			
	vi.	WINDOWS		<b>ABC, MECIDON</b>			
	vii.	LAV. DOORS		<b>RCF</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>	



12.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date				
		4445	NCR	GS	14415	29-09-2014				
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
12.2	Wheel & Axle Details:	PP Side				NPP Side				
	i.	Bogie No.	141115				141134			
	ii.	Frame No.	UBLS-1084				ASR-338			
	iii.	Axle No.	708	A-5315		RWF-98866		840		
	iv.	Wheel Diameter	918.00	918.00	918.00	918.00	918.00	918.00	918.00	
	v.	Wheel Disc No.	08734/ 254	08769/ 228	08771/ 270	08768/ 256	08072/ 257	08073/ 380	08731/ 235	08764/27 3
	vi.	R.B. Nos.	T-2037	T-2319	T-760	T-836	T-747	U-1692	T-599	T-1915
	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				



रेल डिब्बा कारखाना, कपूरथला  
Rail Coach Factory , Kapurthala

Page 1 of 3

**ROLLING STOCK CERTIFICATE**

Form No. :

QMF4254;  
Version: 05

1.	SHELL No:	<b>4441</b>	DISPATCH DATE:			<b>08.12.2014</b>
2.	RAILWAY	<b>NCR</b>	Type:	<b>GS</b>	Coach No.:	<b>14414</b>
3.	Booked to	<b>SSE/C&amp;W/JHS</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>1104/1104</b>	<b>1104/1104</b>	
	viii)	Buffer/CBC (Make )	<b>REPL</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/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	<b>APC</b>	<b>85/86</b>	
	8.2	APPLICATION OF PCN-123		<b>SATISFACTORY</b>		
	8.3	INSUALTION		<b>SATISFACTORY</b>		
9.	Traceability of Furnishing Items:					
	i.	BRAKE EQUIPMENT			Make <b>ESCORTS</b>	
	ii.	SEAT & BERTH			<b>MANOJ</b>	
	iii.	WATER TANKS			<b>AMIT</b>	
	iv.	PVC			<b>RESPONSIVE</b>	
	v.	FLOOR BOARD			<b>ORIENTAL</b>	
	vi.	WINDOWS			<b>ABC, MECIDON</b>	
	vii.	LAV. DOORS			<b>AMIR CHAN</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>



रेल डिब्बा कारखाना, कपूरथला  
Rail Coach Factory , Kapurthala

12.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date				
		4441	NCR	GS	14414	01-12-2014				
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
12.2	Wheel & Axle Details:	PP Side				NPP Side				
	i.	Bogie No.	141522				141530			
	ii.	Frame No.	ASR-657				ASR-585			
	iii.	Axle No.	U-4268		S-5722		P-3226		4358	
	iv.	Wheel Diameter	917.00	917.00	917.00	917.00	916.00	916.00	916.00	916.00
	v.	Wheel Disc No.	06934/ 211	07089/ 274	07361/ 252	05587/ 205	09074/ 379	06967/ 201	06848/ 245	07215/28 6
	vi.	R.B. Nos.	S-296	T-2780	S-324	S-392	V-1197	V-1071	V-1224	V-1216
	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)				GABRIEL				
12.4	i.	Modification/ Trail (if any):				NIL				
	ii.	Deviations (if any):				NIL				



रेल डिब्बा कारखाना, कपूरथला  
Rail Coach Factory , Kapurthala

Page 1 of 3

ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;  
Version: 05

1.	SHELL No:	<b>4443</b>	DISPATCH DATE:			<b>08.12.2014</b>	
2.	RAILWAY	<b>NCR</b>	Type:	<b>GS</b>	Coach No.:	<b>14419</b>	
3.	Booked to	<b>SSE/C&amp;W/GWL</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>1104/1104</b>	<b>1104/1104</b>		
	viii)	Buffer/CBC (Make )	<b>REPL</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/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	<b>VIBGYOR</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>MANOJ</b>				
	iii.	WATER TANKS	<b>RUBICONE, AMIT</b>				
	iv.	PVC	<b>RESPONSIVE</b>				
	v.	FLOOR BOARD	<b>TAYAL</b>				
	vi.	WINDOWS	<b>ABC, MECIDON</b>				
	vii.	LAV. DOORS	<b>JR</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>				



रेल डिब्बा कारखाना, कपूरथला  
Rail Coach Factory , Kapurthala

12.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date				
		4443	NCR	GS	14419	12-11-2014				
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
12.2	Wheel & Axle Details:	PP Side				NPP Side				
	i.	Bogie No.	141428				141427			
	ii.	Frame No.	ASR-563				ASR-561			
	iii.	Axle No.	A-5286		P-3144		N-4644		N-4561	
	iv.	Wheel Diameter	917.00	917.00	917.00	917.00	917.00	917.00	917.00	917.00
	v.	Wheel Disc No.	06344/257	06947/223	09055/225	08950/218	07177/366	05803/253	09002/294	09059/233
	vi.	R.B. Nos.	V-1732	V-1729	T-3429	S-411	S-855	S-782	S-771	S-431
	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				





ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;  
Version: 05

1.	SHELL No:	<b>4447</b>	DISPATCH DATE:			<b>11.12.2014</b>	
2.	RAILWAY	<b>NCR</b>	Type:	<b>GS</b>	Coach No.:	<b>14417</b>	
3.	Booked to	<b>SSE/C&amp;W/GWL</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>1104/1104</b>	<b>1104/1104</b>		
viii)	Buffer/CBC (Make )			<b>REPL</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>VIBGYOR</b>	<b>85/86</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			ESCORTS			
ii.	SEAT & BERTH			MANOJ			
iii.	WATER TANKS			AMIT			
iv.	PVC			RESPONSIVE			
v.	FLOOR BOARD			TAYAL			
vi.	WINDOWS			ABC, MECIDON			
vii.	LAV. DOORS			JR			
viii.	LP SHEET			PUNJAB LAMINATE			
ix)	BIO- TOILET			M K PRECISION			
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				
		4447	NCR	GS	14417	03-12-2014				
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
12.2	Wheel & Axle Details:	PP Side				NPP Side				
	i.	Bogie No.	141532				141540			
	ii.	Frame No.	ASR-686				ASR-513			
	iii.	Axle No.	P-5979		Y-6358		M-3818		N-8071	
	iv.	Wheel Diameter	916.00	916.00	916.00	916.00	916.00	916.00	916.00	916.00
	v.	Wheel Disc No.	08763/ 255	09118/ 247	05944/ 245	08891/ 268	08944/ 226	07361/ 208	07314/ 233	03675/37 0
	vi.	R.B. Nos.	V-1165	V-1163	V-1127	V-1028	V-1158	V-1024	V-1152	V-1129
	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)				KNORR BREMSE				
12.4	i.	Modification/ Trail (if any):				NIL				
	ii.	Deviations (if any):				NIL				



रेल डिब्बा कारखाना, कपूरथला  
Rail Coach Factory , Kapurthala

Page 1 of 3

ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;  
Version: 05

1.	SHELL No:	<b>4449</b>	DISPATCH DATE:			<b>11.12.2014</b>	
2.	RAILWAY	<b>NCR</b>	Type:	<b>GS</b>	Coach No.:	<b>14420</b>	
3.	Booked to	<b>SSE/C&amp;W/GWL</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>1104/1104</b>			<b>1104/1104</b>	
viii)	Buffer/CBC (Make )		<b>JLS</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/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		<b>VIBGYOR</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			ESCORTS			
ii.	SEAT & BERTH			MANOJ			
iii.	WATER TANKS			AMIT			
iv.	PVC			RESPONSIVE			
v.	FLOOR BOARD			TAYAL			
vi.	WINDOWS			ABC, MECIDON			
vii.	LAV. DOORS			JR			
viii.	LP SHEET			LP			
ix)	BIO- TOILET			M K PRECISION			
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				
		4449	NCR	GS	14420	04-11-2014				
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
12.2	Wheel & Axle Details:	PP Side				NPP Side				
	i.	Bogie No.	141399				141400			
	ii.	Frame No.	ASR-573				UBLS-1188			
	iii.	Axle No.	5706		RWF-105169		Z-11069		A-5200	
	iv.	Wheel Diameter	916.00	916.00	917.00	917.00	916.50	916.00	916.50	916.00
	v.	Wheel Disc No.	08857/284	08885/379	06981/221	05525/084	06321/214	06980/243	06977/278	05779/250
	vi.	R.B. Nos.	V-1154	V-878	V-1384	V-1387	R-147	R-132	R-177	R-156
	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				
	ii.	SECONDARY Shock Absorber (Make)				GABRIEL				
12.4	i.	Modification/ Trail (if any):				NIL				
	ii.	Deviations (if any):				NIL				



रेल डिब्बा कारखाना, कपूरथला  
Rail Coach Factory , Kapurthala

Page 1 of 3

ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;  
Version: 05

1.	SHELL No:	<b>4450</b>	DISPATCH DATE:			<b>12.12.2014</b>
2.	RAILWAY	<b>NCR</b>	Type:	<b>GS</b>	Coach No.:	<b>14423</b>
3.	Booked to	<b>SSE/C&amp;W/AF</b>				
4.	Tare Weight of Coach :	<b>36.99T</b>				
5.	Carrying Capacity :	Seating:	<b>90</b>	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>1104/1104</b>	<b>1104/1104</b>	
	viii)	Buffer/CBC (Make )	<b>JLS</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/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	<b>VIBGYOR</b>	<b>85/86</b>	
	8.2	APPLICATION OF PCN-123	<b>SATISFACTORY</b>			
	8.3	INSUALTION	<b>SATISFACTORY</b>			
9.	Traceability of Furnishing Items:					
	i.	BRAKE EQUIPMENT	Make <b>ESCORTS</b>			
	ii.	SEAT & BERTH	<b>MANOJ</b>			
	iii.	WATER TANKS	<b>AMIT</b>			
	iv.	PVC	<b>RESPONSIVE</b>			
	v.	FLOOR BOARD	<b>TAYAL</b>			
	vi.	WINDOWS	<b>ABC, MECIDON</b>			
	vii.	LAV. DOORS	<b>JR</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>			



12.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date				
		4450	14423	GS	14423	29-09-2014				
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
12.2	Wheel & Axle Details:	PP Side				NPP Side				
	i.	Bogie No.	141202				141154			
	ii.	Frame No.	ASR-412				ASR-258			
	iii.	Axle No.	2924		4299		5022		3622	
	iv.	Wheel Diameter	916.00	916.00	916.00	916.00	917.00	917.00	915.00	915.00
	v.	Wheel Disc No.	08833/ 219	07030/ 235	08792/ 299	07355/ 252	08794/ 267	08849/ 269	08845/ 215	08797/39 6
	vi.	R.B. Nos.	E2462	E2451	E2480	E2483	E2484	E2440	E2466	E2485
	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				



**ROLLING STOCK CERTIFICATE**

Form No. :

QMF4254;  
Version: 05

1.	SHELL No:	<b>4452</b>	DISPATCH DATE:			<b>12.12.2014</b>	
2.	RAILWAY	<b>NCR</b>	Type:	<b>GS</b>	Coach No.:	<b>14425</b>	
3.	Booked to	<b>SSE/C&amp;W/AF</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>1104/1104</b>	<b>1104/1104</b>		
	viii)	Buffer/CBC (Make )	<b>REPL</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/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	<b>VIBGYOR</b>	<b>85/86</b>		
	8.2	APPLICATION OF PCN-123	<b>SATISFACTORY</b>				
	8.3	INSUALTION	<b>SATISFACTORY</b>				
9.	Traceability of Furnishing Items:						
	i.	BRAKE EQUIPMENT	Make <b>ESCORTS</b>				
	ii.	SEAT & BERTH	<b>MANOJ</b>				
	iii.	WATER TANKS	<b>AMIT</b>				
	iv.	PVC	<b>RESPONSIVE</b>				
	v.	FLOOR BOARD	<b>TAYAL</b>				
	vi.	WINDOWS	<b>ABC, MECIDON</b>				
	vii.	LAV. DOORS	<b>JR</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>				



12.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date				
		4452	NCR	GS	14425	29-09-2014				
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
12.2	Wheel & Axle Details:	PP Side				NPP Side				
	i.	Bogie No.	141216				141215			
	ii.	Frame No.	UBLS-1113				UBLS-1109			
	iii.	Axle No.	V-9864		T-0051		4745		T-0221	
	iv.	Wheel Diameter	916.00	916.00	916.00	916.00	917.50	917.50	918.00	918.00
	v.	Wheel Disc No.	08078/ 221	08062/ 223	07030/ 201	08076/ 217	08063/ 267	08068/ 260	08074/ 219	08076/20 9
	vi.	R.B. Nos.	T-2250	T-2257	T-2546	T-2266	U-1480	U-1532	U-1394	U-1716
	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				

GS-4452





# ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;  
Version: 05

1.	SHELL No:	<b>4448</b>	DISPATCH DATE:			<b>12.12.2014</b>
2.	RAILWAY	<b>NCR</b>	Type:	<b>GS</b>	Coach No.:	<b>14424</b>
3.	Booked to	<b>SSE/C&amp;W/AF</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>1104/1104</b>	<b>1104/1104</b>	
	viii)	Buffer/CBC (Make )	<b>REPL</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/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	<b>VIBGYOR</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:					
	i.	BRAKE EQUIPMENT	Make <b>ESCORTS</b>			
	ii.	SEAT & BERTH	<b>MANOJ</b>			
	iii.	WATER TANKS	<b>RUBICONE</b>			
	iv.	PVC	<b>RESPONSIVE</b>			
	v.	FLOOR BOARD	<b>TAYAL</b>			
	vi.	WINDOWS	<b>ABC, MECIDON</b>			
	vii.	LAV. DOORS	<b>JR</b>			
	viii.	LP SHEET	<b>LP</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>



रेल डिब्बा कारखाना, कपूरथला

Rail Coach Factory , Kapurthala

12.	<b>Bogie Details:</b>	<b>Shell No.</b>	<b>Railway</b>	<b>Type</b>	<b>Coach No.</b>	<b>Dispatch Date</b>					
		4448	NCR	GS	14424	04-12-2014					
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>	141541					141546			
	ii.	<b>Frame No.</b>	ASR-713					ASR-494			
	iii.	<b>Axle No.</b>	60		P-1853		W-3137		RWF-92065		
	iv.	<b>Wheel Diameter</b>	916.00	916.00	916.00	916.00	916.00	916.00	916.00	916.00	
	v.	<b>Wheel Disc No.</b>	06967/ 262	08061/ 276	08086/ 280	08084/ 233	07357/ 254	05616/ 377	09038/ 381	07341/28 5	
	vi.	<b>R.B. Nos.</b>	V-1164	V-1178	V-1131	V-1175	V-1168	V-1151	V-1176	V-1200	
	vii.	<b>R.B. Make</b>	FAG		FAG		FAG		FAG		
	viii	<b>R.B. Type</b>	Direct Mounted Spherical Roller Bearing								
12.3	<b>Items Traceability:</b>										
	i.	<b>BRAKE CYLINDER (Make)</b>					AJT				
	ii.	<b>SECONDARY Shock Absorber (Make)</b>					KNORR BREMSE				
12.4	i.	<b>Modification/ Trail (if any):</b>					NIL				
	ii.	<b>Deviations (if any):</b>					NIL				

GS-4448



# रेल डिब्बा कारखाना, कपूरथला

Rail Coach Factory , Kapurthala

Page 1 of 3

## ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;  
Version: 05

1.	SHELL No:	4446	DISPATCH DATE:			15.12.2014	
2.	RAILWAY	NCR	Type:	GS	Coach No.:	14422	
3.	Booked to	SSE/C&W/AF					
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 )					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	85/86		
8.2	APPLICATION OF PCN-123	SATISFACTORY					
8.3	INSUALTION	SATISFACTORY					
9.	Traceability of Furnishing Items:						
i.	BRAKE EQUIPMENT					Make ESCORTS	
ii.	SEAT & BERTH					MANOJ	
iii.	WATER TANKS					AMIT	
iv.	PVC					RESPONSIVE	
v.	FLOOR BOARD					TAYAL	
vi.	WINDOWS					ABC, MECIDON	
vii.	LAV. DOORS					JR	
viii.	LP SHEET					LP	
ix)	BIO- TOILET					M K PRECISION	
10.	10.1	Modification/ Trial (if any):					NIL
	10.2	Deviations (if any):					NIL



# रेल डिब्बा कारखाना, कपूरथला

Rail Coach Factory , Kapurthala

Page 2 of 3

12.	Bogie Details:	Shell No.		Railway		Type		Coach No.		Dispatch Date	
		4446		NCR		GS		14422		30-09-2014	
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'										
12.2	Wheel & Axle Details:	PP Side					NPP Side				
	i.	Bogie No.	141239					141226			
	ii.	Frame No.	RBO-1078					ASR-436			
	iii.	Axle No.	4021		2925		RWF-98930		4837		
	iv.	Wheel Diameter	916.50	916.00	916.50	916.50	918.00	918.00	918.00	918.00	
	v.	Wheel Disc No.	08798/285	08763/373	08845/377	08846/264	08760/269	08766/274	08768/269	08764/262	
	vi.	R.B. Nos.	T-539	T-1179	F-0829	F-0817	T-1830	T-2059	T-436	T-770	
	vii.	R.B. Make	FAG		NBC		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				

GS-4446



रेल डिब्बा कारखाना, कपूरथला  
Rail Coach Factory , Kapurthala

Page 1 of 3

ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;  
Version: 05

1.	SHELL No:	<b>4454</b>	DISPATCH DATE:			<b>17.12.2014</b>	
2.	RAILWAY	<b>NCR</b>	Type:	<b>GS</b>	Coach No.:	<b>14421</b>	
3.	Booked to	<b>SSE/C&amp;W/AF</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>1104/1104</b>			<b>1104/1104</b>	
viii)	Buffer/CBC (Make )		<b>JLS</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/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	<b>VIBGYOR</b>	<b>85/86</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>MANOJ</b>			
iii.	WATER TANKS			<b>AMIT</b>			
iv.	PVC			<b>RESPONSIVE</b>			
v.	FLOOR BOARD			<b>TAYAL</b>			
vi.	WINDOWS			<b>ABC, MECIDON</b>			
vii.	LAV. DOORS			<b>JR</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>		



रेल डिब्बा कारखाना, कपूरथला  
Rail Coach Factory , Kapurthala

12.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date			
		4454	NCR	GS	14421	10-11-2014			
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'								
12.2	Wheel & Axle Details:	PP Side				NPP Side			
	i. Bogie No.	141417				141419			
	ii. Frame No.	ASR-591				RBO-1184			
	iii. Axle No.	RWF-92941		Y-6536		A-3709		T-2781	
	iv. Wheel Diameter	917.00	917.00	917.00	917.00	917.00	917.00	917.00	917.00
	v. Wheel Disc No.	06937/ 237	06979/ 209	07214/ 272	07294/ 278	07306/ 267	07215/ 204	03076/ 387	07309/23 3
	vi. R.B. Nos.	V-1255	V-1421	S-661	S-736	R-49	R-42	S-622	S-638
	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			
	ii.	SECONDARY Shock Absorber (Make)				GABRIEL			
12.4	i.	Modification/ Trail (if any):				NIL			
	ii.	Deviations (if any):				NIL			