



ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;
Version: 05

1.	SHELL No:	5293	DISPATCH DATE:			13.10.2015
2.	RAILWAY	CR	Type:	GS	Coach No.:	15419
3.	Booked to	SSE/C&W/CSTM				
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)			ATUL		
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		ADVANCE	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			CPF		
iii.	WATER TANKS			AMIT		
iv.	PVC			TAYAL		
v.	FLOOR BOARD			RESPONSIVE		
vi.	WINDOWS			ABC, AGF, MECIDONE		
vii.	LAV. DOORS			TWPL		
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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11.	Bogie Details:	Shell No.		Railway		Type		Coach No.		Dispatch Date		
		5293		CR		GS		15418		06-10-2015		
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'											
11.2	Wheel & Axle Details:		PP Side					NPP Side				
	i.	Bogie No.	151275					151281				
	ii.	Frame No.	UBLS-1605					ASR-683				
	iii.	Axle No.	A-3966		A-5171		J-8743		H-0158			
	iv.	Wheel Diameter	916.00	916.00	917.00	917.00	917.00	917.00	917.00	917.00		
	v.	Wheel Disc No.	05835/ 239	08613/ 220	13369/ 386	13866/ 284	13801/ 387	13878/ 395	07139/ 212	12018/20 3		
	vi.	R.B. Nos.	S-0672	S-0675	H-0977	H1003	H1011	H1022	G-1417	G1365		
	vii.	R.B. Make	FAG		NBC		NBC		NBC			
	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-F-009,F-006			PEW-F-018,F-235		
	ii.	SECONDARY Shock Absorber Make &NO.					ESCORTS-4574,5020			ESCORTS-4850,4577		
11.4	i.	Modification/ Trail (if any):					NIL					
	ii.	Deviations (if any):					NIL					

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Form No. :

QMF4254;
Version: 05

1.	SHELL No:	5297	DISPATCH DATE:			15.10.2015
2.	RAILWAY	CR	Type:	GS	Coach No.:	15417
3.	Booked to	SSE/C&W/CSTM				
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)	ATUL			
	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	ADVANCE	85/86	
	8.2	APPLICATION OF PCN-123		SATISFACTORY		
	8.3	INSUALTION		SATISFACTORY		
9.	Traceability of Furnishing Items:					
	i.	BRAKE EQUIPMENT	Make FAIVELEY			
	ii.	SEAT & BERTH	CPF			
	iii.	WATER TANKS	AMIT, RUBICONE			
	iv.	PVC	TAYAL			
	v.	FLOOR BOARD	RESPONSIVE			
	vi.	WINDOWS	ABC, AGF, MECIDONE			
	vii.	LAV. DOORS	TWPL			
	viii.	LP SHEET	NA			
	ix)	BIO- TOILET	RAIL TECH, OMAX			
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				
		5297	CR	GS	15417	03-10-2015				
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
11.2	Wheel & Axle Details:	PP Side				NPP Side				
	i. Bogie No.	151271				151268				
	ii. Frame No.	UBLS-1629				ASR-538				
	iii. Axle No.	J-3222		J-3041		A-4423		Y-5934		
	iv. Wheel Diameter	916.00	916.50	915.00	915.00	915.00	915.00	916.50	917.00	
	v. Wheel Disc No.	23458/00087	17567/17419	23482/00087	23475/00087	1202/N IL	16957/44457	16860/06027	72081/00970	
	vi. R.B. Nos.	U2384	U2416	S0856	U2414	S-0821	S0783	S-0657	S-0664	
	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-NIL		PEW-NIL		
	ii.	SECONDARY Shock Absorber Make &NO.				ESCORTS-4548,4448		ESCORTS-4851,4505		
11.4	i.	Modification/ Trail (if any):				NIL				
	ii.	Deviations (if any):				NIL				

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Version: 05

1.	SHELL No:	5314	DISPATCH DATE:			07.11.2015	
2.	RAILWAY	CR	Type:	GS	Coach No.:	15425	
3.	Booked to	SSE/C&W/CSTM					
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)			ATUL			
ix)	Draw Gear (Make)			CFPL			
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 in 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			FAIVELEY			
ii.	SEAT & BERTH			OVPL			
iii.	WATER TANKS			AMIT			
iv.	PVC			TAYAL/ NARBADA			
v.	FLOOR BOARD			RESPONSIVE			
vi.	WINDOWS			ABC, AGF, MECIDONE			
vii.	LAV. DOORS			GANDHI			
viii.	LP SHEET			NA			
ix)	BIO- TOILET			AMIT			
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		
		5314	CR		GS		15425		20-10-2015		
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'										
11.2	Wheel & Axle Details:	PP Side				NPP Side					
	i. Bogie No.	151354				151358					
	ii. Frame No.	ASR-656				UBLS-1657					
	iii. Axle No.	A-5538		G-9875		J-2946		J-2919			
	iv. Wheel Diameter	917.00	917.00	917.00	917.00	916.50	916.00	917.00	917.00		
	v. Wheel Disc No.	08068/282	07258/387	13818/380	13984/267	13972/224	06336/259	06328/379	07289/377		
	vi. R.B. Nos.	G1322	G1339	G1270	G1318	G1331	G7327	G1343	G1364		
	vii. R.B. Make	NBC		NBC		NBC		NBC			
	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-5002,4342			PEW-5023,5075		
	ii.	SECONDARY Shock Absorber Make &NO.				ESCORTS-8562,8876			ESCORTS-8739,8558		
11.4	i.	Modification/ Trail (if any):				NIL					
	ii.	Deviations (if any):				NIL					

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Form No. :

QMF4254;
Version: 05

1.	SHELL No:	5319	DISPATCH DATE:			09.11.2015
2.	RAILWAY	CR	Type:	GS	Coach No.:	15422
3.	Booked to	SSE/C&W/CSTM				
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)			ATUL		
ix)	Draw Gear (Make)			CFPL		
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	ADVANCE	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			TAYAL		
v.	FLOOR BOARD			RESPONSIVE		
vi.	WINDOWS			AGF, MECIDONE		
vii.	LAV. DOORS			GANDHI		
viii.	LP SHEET			PUNJAB LAMINATE		
ix)	BIO- TOILET			AMIT		
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			
		5319	CR	GS	15422	19-10-2015			
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'								
11.2	Wheel & Axle Details:	PP Side				NPP Side			
	i. Bogie No.	151339				151350			
	ii. Frame No.	ASR-544				ASR-728			
	iii. Axle No.	J-2678		3895		03977		A-4651	
	iv. Wheel Diameter	916.50	916.50	916.50	916.00	916.00	916.00	916.00	916.00
	v. Wheel Disc No.	14013/254	14174/205	13930/253	13951/374	14150/203	14191/279	14154/268	14102/244
	vi. R.B. Nos.	F1170	F1153	F1167	F1168	H0826	H0817	H0813	H0857
	vii. R.B. Make	NBC		NBC		NBC		NBC	
	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-F013,F019		PEW-E13802,F5032		
	ii.	SECONDARY Shock Absorber Make &NO.			ESCORTS-4713,4974		ESCORTS-8561,8872		
11.4	i.	Modification/ Trail (if any):			NIL				
	ii.	Deviations (if any):			NIL				

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Form No. :

QMF4254;
Version: 05

1.	SHELL No:	5320	DISPATCH DATE:		10.11.2015
2.	RAILWAY	CR	Type:	GS	Coach No.:
3.	Booked to	SSE/C&W/CSTM			
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		1103/1104
viii)	Buffer/CBC (Make)		ATUL		
ix)	Draw Gear (Make)		CFPL		
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	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		TAYAL		
v.	FLOOR BOARD		RESPONSIVE		
vi.	WINDOWS		AGF, MECIDONE		
vii.	LAV. DOORS		GANDHI		
viii.	LP SHEET		NA		
ix)	BIO- TOILET		RAIL FAB, AMIT		
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			
		5320	CR	GS	15420	17-10-2015			
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'								
11.2	Wheel & Axle Details:	PP Side				NPP Side			
	i. Bogie No.	151345				151344			
	ii. Frame No.	UBLS-1628				ASR-679			
	iii. Axle No.	A-3621		J-3090		W-2663		4745	
	iv. Wheel Diameter	916.50	916.50	916.00	916.00	916.00	916.00	916.00	916.00
	v. Wheel Disc No.	13831/311	10270/269	14196/319	14170/2413	14176/396	14208/276	13939/242	14193/398
	vi. R.B. Nos.	F1143	F1160	H0862	H0849	H0856	H0822	H0843	H0842
	vii. R.B. Make	NBC		NBC		NBC		NBC	
	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-5072,5087		PEW-5081,5100		
	ii.	SECONDARY Shock Absorber Make &NO.			ESCORTS-8945,8631		ESCORTS-9031,9032		
11.4	i.	Modification/ Trail (if any):			NIL				
	ii.	Deviations (if any):			NIL				

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Form No. :

QMF4254;
Version: 05

1.	SHELL No:	5324	DISPATCH DATE:			09.11.2015
2.	RAILWAY	CR	Type:	GS	Coach No.:	15426
3.	Booked to	SSE/C&W/CSTM				
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	1103/1104	
	viii)	Buffer/CBC (Make)	ATUL			
	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			FAIVELEY
	ii.	SEAT & BERTH				OVPL
	iii.	WATER TANKS				AMIT
	iv.	PVC				TAYAL
	v.	FLOOR BOARD				RESPONSIVE
	vi.	WINDOWS				AGF, MECIDONE
	vii.	LAV. DOORS				GANDHI
	viii.	LP SHEET				NA
	ix)	BIO- TOILET				AMIT
10.	10.1	Modification/ Trial (if any):				NIL
	10.2	Deviations (if any):				NIL



11.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date			
		5324	CR	GS	15426	21-10-2015			
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'								
11.2	Wheel & Axle Details:	PP Side				NPP Side			
	i. Bogie No.	151364				151365			
	ii. Frame No.	ASR-724				UBLS-1639			
	iii. Axle No.	J-3207		J-2954		J-2831		2196	
	iv. Wheel Diameter	916.00	916.00	915.00	915.00	915.50	915.00	915.00	915.00
	v. Wheel Disc No.	06969/ 274	06937/ 285	07199/ 274	06965/ 228	07166/ 276	06966/ 204	07026/ 247	07174/26 9
	vi. R.B. Nos.	F0834	F0815	F0811	F0813	F0837	F0822	F0850	F0859
	vii. R.B. Make	NBC		NBC		NBC		NBC	
	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-5048,5108		PEW-5078,5024		
	ii.	SECONDARY Shock Absorber Make &NO.			ESCORTS-9700,8947		ESCORTS-8551,8992		
11.4	i.	Modification/ Trail (if any):			NIL				
	ii.	Deviations (if any):			NIL				



ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;
Version: 05

1.	SHELL No:	5321	DISPATCH DATE:			10.11.2015
2.	RAILWAY	CR	Type:	GS	Coach No.:	15424
3.	Booked to	SSE/C&W/CSTM				
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)			ATUL		
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	ADVANCE	85/86	
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			TAYAL		
v.	FLOOR BOARD			RESPONSIVE		
vi.	WINDOWS			AGF, MECIDONE		
vii.	LAV. DOORS			GANDHI		
viii.	LP SHEET			PUNJAB LAMINATE		
ix)	BIO- TOILET			AMIT		
10.	10.1	Modification/ Trial (if any):			NIL	
	10.2	Deviations (if any):			NIL	



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Rail Coach Factory , Kapurthala

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11.	Bogie Details:	Shell No.		Railway		Type		Coach No.		Dispatch Date	
		5321		CR		GS		15424		15-10-2015	
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'										
11.2	Wheel & Axle Details:		PP Side				NPP Side				
	i.	Bogie No.	151338				151337				
	ii.	Frame No.	ASR-657				ASR-655				
	iii.	Axle No.	J-3138		03975		J-3051		J-3156		
	iv.	Wheel Diameter	917.00	917.00	917.00	917.50	917.00	917.00	917.00	917.00	
	v.	Wheel Disc No.	12122/ 234	14172/ 294	14187/ 215	14172/ 380	06577/ 229	14138/ 386	14136/ 379	14777/39 7	
	vi.	R.B. Nos.	F1162	F1161	H1246	H0811	F1164	F1135	F1149	F1174	
	vii.	R.B. Make	NBC		NBC		NBC		NBC		
	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-E13177,E13141			PEW-E13075,E13094		
	ii.	SECONDARY Shock Absorber Make &NO.				ESCORTS-4917,4840			ESCORTS-4972,4969		
11.4	i.	Modification/ Trail (if any):				NIL					
	ii.	Deviations (if any):				NIL					

GS-5321



ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;
Version: 05

1.	SHELL No:	5287	DISPATCH DATE:			14.10.2015
2.	RAILWAY	CR	Type:	GS	Coach No.:	15418
3.	Booked to	SSE/C&W/CSTM				
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		1104/1103	1104/1104	
viii)	Buffer/CBC (Make)			ATUL		
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		ADVANCE	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			CPF		
iii.	WATER TANKS			AMIT		
iv.	PVC			TAYAL		
v.	FLOOR BOARD			RESPONSIVE		
vi.	WINDOWS			ABC, AGF, MECIDONE		
vii.	LAV. DOORS			TWPL		
viii.	LP SHEET			NA		
ix)	BIO- TOILET			RAIL TECH,OMAX		
10.	10.1	Modification/ Trial (if any):			NIL	
	10.2	Deviations (if any):			NIL	



11.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date				
		5287	CR	GS	15418	30-09-2015				
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
11.2	Wheel & Axle Details:	PP Side				NPP Side				
	i. Bogie No.	151228				151241				
	ii. Frame No.	ASR-630				ASR-646				
	iii. Axle No.	W-3017		Y-6722		A-4446		J-3181		
	iv. Wheel Diameter	917.00	917.00	916.50	917.00	916.50	916.00	916.00	916.00	
	v. Wheel Disc No.	06934/ 269	07267/ 295	06921/ 280	14050/ 263	14202/ 389	14171/ 250	13924/ 225	14139/20 5	
	vi. R.B. Nos.	U2487	U2632	U2240	U2615	U2777	S0813	S0810	U-2792	
	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-050,206		PEW-E14912,E15421		
	ii.	SECONDARY Shock Absorber Make &NO.				ESCORTS-5009,5000		ESCORTS-4632,4631		
11.4	i.	Modification/ Trail (if any):				NIL				
	ii.	Deviations (if any):				NIL				



ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;
Version: 05

1.	SHELL No:	5318	DISPATCH DATE:			04.11.2015
2.	RAILWAY	CR	Type:	GS	Coach No.:	15421
3.	Booked to	SSE/C&W/CSTM				
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		1102/1104	1104/1102	
viii)	Buffer/CBC (Make)			ATUL		
ix)	Draw Gear (Make)			CFPL		
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	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			TAYAL		
v.	FLOOR BOARD			RESPONSIVE		
vi.	WINDOWS			AJF, AGF, MECIDONE		
vii.	LAV. DOORS			RCF		
viii.	LP SHEET			PUNJAB LAMINATE		
ix)	BIO- TOILET			RAIL FAB, OMAX		
10.	10.1	Modification/ Trial (if any):			NIL	
	10.2	Deviations (if any):			NIL	



11.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date			
		5318	CR	GS	15421	19-10-2015			
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'								
11.2	Wheel & Axle Details:	PP Side				NPP Side			
	i. Bogie No.	151353				151327			
	ii. Frame No.	ASR-722				UBLS-1658			
	iii. Axle No.	J-2999		J-3104		J-2982		04277	
	iv. Wheel Diameter	917.00	917.00	917.00	917.00	917.00	917.00	915.00	915.00
	v. Wheel Disc No.	14187/237	14210/237	14174/206	14173/268	09872/233	08065/260	14156/269	14009/250
	vi. R.B. Nos.	G1263	G1274	G1265	G1286	G1088	G1087	F0874	F0903
	vii. R.B. Make	NBC		NBC		NBC		NBC	
	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-5131,5034		PEW-13054,13064		
	ii.	SECONDARY Shock Absorber Make &NO.			ESCORTS-8523,8962		ESCORTS-9065,9045		
11.4	i.	Modification/ Trail (if any):			NIL				
	ii.	Deviations (if any):			NIL				

GS-5318

ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;
Version: 05

1.	SHELL No:	5322	DISPATCH DATE:		28.11.2015
2.	RAILWAY	CR	Type:	GS	Coach No.: 15423
3.	Booked to	SSE/C&W/CSTM			
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)		ATUL		
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		FAIVELEY		
ii.	SEAT & BERTH		OVPL		
iii.	WATER TANKS		AMIT		
iv.	PVC		TAYAL		
v.	FLOOR BOARD		RESPONSIVE		
vi.	WINDOWS		AGF, ABC, MECIDONE		
vii.	LAV. DOORS		GANDHI		
viii.	LP SHEET		NK		
ix)	BIO- TOILET		AMIT		
10.	10.1	Modification/ Trial (if any):			NIL
	10.2	Deviations (if any):			NIL



11.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date			
		5322	CR	GS	15423	21-10-2015			
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'								
11.2	Wheel & Axle Details:	PP Side				NPP Side			
	i. Bogie No.	151363				151360			
	ii. Frame No.	UBLS-1638				UBLS-1634			
	iii. Axle No.	3458		J-3315		04584		J2837	
	iv. Wheel Diameter	916.00	916.50	916.00	916.00	917.00	917.00	916.00	916.00
	v. Wheel Disc No.	14041/259	14179/335	13864/251	06980/226	13949/218	14038/297	06944/374	13876/398
	vi. R.B. Nos.	G1170	G1204	G1184	G1206	G1338	G1330	G1346	G1363
	vii. R.B. Make	NBC		NBC		NBC		NBC	
	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-5071,5040		PEW-5140,5054		
	ii.	SECONDARY Shock Absorber Make &NO.			ESCORTS-8994,9004		ESCORTS-8570,8592		
11.4	i.	Modification/ Trail (if any):			NIL				
	ii.	Deviations (if any):			NIL				

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Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;
Version: 05

1.	SHELL No:	5323	DISPATCH DATE:			01.12.2015
2.	RAILWAY	CR	Type:	GS	Coach No.:	15427
3.	Booked to	SSE/C&W/CSTM				
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	1103/1104
	viii)	Buffer/CBC (Make)				ATUL
	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		MOHAN		
	iii.	WATER TANKS		AMIT		
	iv.	PVC		TAYAL		
	v.	FLOOR BOARD		RESPONSIVE		
	vi.	WINDOWS		ABC, MECIDONE		
	vii.	LAV. DOORS		GANDHI		
	viii.	LP SHEET		PL		
	ix)	BIO- TOILET		AMIT		
10.	10.1	Modification/ Trial (if any):				NIL
	10.2	Deviations (if any):				NIL



11.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date			
		5323	CR	GS	15427	24-10-2015			
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'								
11.2	Wheel & Axle Details:	PP Side				NPP Side			
	i. Bogie No.	151372				151369			
	ii. Frame No.	UBLS-1625				ASR-659			
	iii. Axle No.	2207		J-3102		A-4943		2208	
	iv. Wheel Diameter	916.00	916.00	916.50	916.00	916.00	916.00	916.00	916.00
	v. Wheel Disc No.	15390/395	15122/310	14198/386	15370/391	14121/240	14125/207	15430/281	14013/237
	vi. R.B. Nos.	F0861	F0860	F0843	G1200	F0862	F0835	G1202	G1198
	vii. R.B. Make	NBC		NBC		NBC		NBC	
	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-5038,5030		PEW-5039,5047		
	ii.	SECONDARY Shock Absorber Make &NO.			ESCORTS-8601,8850		ESCORTS-8893,9246		
11.4	i.	Modification/ Trail (if any):			NIL				
	ii.	Deviations (if any):			NIL				