



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;
Version: 05

1.	SHELL No:	5188	DISPATCH DATE:			01.08.2015
2.	RAILWAY	ECR	Type:	GS	Coach No.:	15457
3.	Booked to	SSE/C&W/DNR				
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/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	86/87	
8.2	APPLICATION OF PCN-123		SATISFACTORY			
8.3	INSUALTION		SATISFACTORY			
9.	Traceability of Furnishing Items:			Make		
i.	BRAKE EQUIPMENT			ESCORT		
ii.	SEAT & BERTH			OVPL		
iii.	WATER TANKS			RUBICONE		
iv.	PVC			PREMIER POLYFILM		
v.	FLOOR BOARD			TAYAL		
vi.	WINDOWS			AGF, MECIDON		
vii.	LAV. DOORS			AMIR CHAND		
viii.	LP SHEET			NK		
ix)	BIO- TOILET			AMIT, ORIENTAL		
10.	10.1	Modification/ Trial (if any):			NIL	
	10.2	Deviations (if any):			NIL	



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11.	Bogie Details:	Shell No.		Railway		Type		Coach No.		Dispatch Date	
		5188		ECR		GS		15457		08-06-2015	
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'										
11.2	Wheel & Axle Details:	PP Side					NPP Side				
	i.	Bogie No.	150732					150731			
	ii.	Frame No.	ASR-187					ASR-198			
	iii.	Axle No.	P-1909		A-5608		A-5657		A-5975		
	iv.	Wheel Diameter	916.50	916.50	916.00	916.00	917.00	917.00	917.00	917.00	
	v.	Wheel Disc No.	97729/ 292	11386/ 204	07373/ 290	12020/ 374	12021/ 220	05959/ 211	10747/ 204	11906/25 1	
	vi.	R.B. Nos.	X1436	X1189	W1202	W1229	W0697	W1209	W1210	W0659	
	vii.	R.B. Make	FAG		FAG		FAG		FAG		
	vii i.	R.B. Type	Direct Mounted Spherical Roller Bearing								
11.3	Items Traceability:					PP SIDE			NPP SIDE		
	i.	BRAKE CYLINDER Make & NO.				PEW-9115,7549			PEW-9121,9141		
	ii.	SECONDARY Shock Absorber Make &NO.				GAB-10547,10880			K/B-99890,99950		
11.4	i.	Modification/ Trail (if any):				NIL					
	ii.	Deviations (if any):				NIL					

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ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;
Version: 05

1.	SHELL No:	5180	DISPATCH DATE:			30.07.2015
2.	RAILWAY	ECR	Type:	GS	Coach No.:	15455
3.	Booked to	SSE/C&W/DNR				
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/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:			Make		
i.	BRAKE EQUIPMENT			ESCORT		
ii.	SEAT & BERTH			OVPL		
iii.	WATER TANKS			RUBICONE, RAIL FAB		
iv.	PVC			RESPONSIVE		
v.	FLOOR BOARD			TAYAL		
vi.	WINDOWS			MECIDON		
vii.	LAV. DOORS			AMIR CHAND		
viii.	LP SHEET			NA		
ix)	BIO- TOILET			AMIT, ORIENTAL		
10.	10.1	Modification/ Trial (if any):			NIL	
	10.2	Deviations (if any):			NIL	

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11.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date				
		5180	ECR	GS	15455	08-06-2015				
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
11.2	Wheel & Axle Details:	PP Side				NPP Side				
	i.	Bogie No.	150732				150731			
	ii.	Frame No.	ASR-187				ASR-198			
	iii.	Axle No.	P-1909		A-5608		A-5657		A-5975	
	iv.	Wheel Diameter	916.50	916.50	916.00	916.00	917.00	917.00	917.00	917.00
	v.	Wheel Disc No.	97729/ 292	11386/ 204	07373/ 290	12020/ 374	12021/ 220	05959/ 211	10747/ 204	11906/25 1
	vi.	R.B. Nos.	X1436	X1189	W1202	W1229	W0697	W1209	W1210	W0659
	vii	R.B. Make	FAG		FAG		FAG		FAG	
	vii i.	R.B. Type	Direct Mounted Spherical Roller Bearing							
11.3	<u>Items Traceability:</u>				PP SIDE		NPP SIDE			
	i.	BRAKE CYLINDER Make & NO.				PEW-9115,7549		PEW-9121,9141		
	ii.	SECONDARY Shock Absorber Make &NO.				GAB-10547,10880		K/B-99890,99950		
11.4	i.	Modification/ Trail (if any):				NIL				
	ii.	Deviations (if any):				NIL				

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ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;
Version: 05

1.	SHELL No:	5189	DISPATCH DATE:			03.08.2015
2.	RAILWAY	ECR	Type:	GS	Coach No.:	15461
3.	Booked to	SSE/C&W/				
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/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:			Make		
i.	BRAKE EQUIPMENT			ESCORT		
ii.	SEAT & BERTH			OVPL		
iii.	WATER TANKS			AMIT		
iv.	PVC			PREMIER POLYFILM		
v.	FLOOR BOARD			TAYAL		
vi.	WINDOWS			ABC, AGF, MECIDON		
vii.	LAV. DOORS			AMIR CHAND		
viii.	LP SHEET			NK		
ix)	BIO- TOILET			M K PRECISION		
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		
		5189		ECR		GS		15461		27-07-2015		
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'											
11.2	Wheel & Axle Details:		PP Side				NPP Side					
	i.	Bogie No.	150932				150926					
	ii.	Frame No.	ASR-369				UBLS-1517					
	iii.	Axle No.	A-4285		A-4685		P-3670		A-3794			
	iv.	Wheel Diameter	915.00	915.00	918.00	918.00	910.00	910.00	914.00	913.50		
	v.	Wheel Disc No.	04143/ 255	08769/ 255	06941/ 295	07074/ 204	10291/ 220	10298/ 278	10151/ 209	10285/27 6		
	vi.	R.B. Nos.	V-0634	X-1281	V-2250	X-1312	V-1366	V-2331	V-1476	V-1467		
	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-12818,12832			PEW-12760,12765		
	ii.	SECONDARY Shock Absorber Make &NO.					ESCORTS-0640,0278			ESCORTS-0604,0433		
11.4	i.	Modification/ Trail (if any):					NIL					
	ii.	Deviations (if any):					LESS WHEEL DIA					

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ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;
Version: 05

1.	SHELL No:	5186	DISPATCH DATE:			05.08.2015
2.	RAILWAY	ECR	Type:	GS	Coach No.:	15458
3.	Booked to	SSE/C&W/DNR				
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/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:			Make		
i.	BRAKE EQUIPMENT			ESCORT		
ii.	SEAT & BERTH			SAVITRI		
iii.	WATER TANKS			RUBICONE		
iv.	PVC			PREMIER POLYFILM		
v.	FLOOR BOARD			TAYAL		
vi.	WINDOWS			AGF, MECIDON		
vii.	LAV. DOORS			AMIR CHAND		
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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11.	Bogie Details:	Shell No.	Railway		Type	Coach No.		Dispatch Date		
		5186	EC		GS	15458		27-07-2015		
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
11.2	Wheel & Axle Details:	PP Side				NPP Side				
	i. Bogie No.	150922				150923				
	ii. Frame No.	ASR-348				ASR-390				
	iii. Axle No.	A-5926		A-5493		Y-6158		1009		
	iv. Wheel Diameter	917.00	917.00	917.00	917.00	915.50	916.00	917.00	916.50	
	v. Wheel Disc No.	10394/256	10294/234	10409/256	06944/382	11963/246	11857/222	06953/272	11958/272	
	vi. R.B. Nos.	V1441	V0833	V0810	V2251	W1204	W1361	X1265	X1011	
	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-11765,11749		AJT-1081, PEW-E11726		
	ii.	SECONDARY Shock Absorber Make &NO.				ESCORTS-366,232		ESCORTS-0099,0575		
11.4	i.	Modification/ Trail (if any):				NIL				
	ii.	Deviations (if any):				NIL				

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ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;
Version: 05

1.	SHELL No:	5185	DISPATCH DATE:			05.08.2015
2.	RAILWAY	ECR	Type:	GS	Coach No.:	15456
3.	Booked to	SSE/C&W/DNR				
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		1103/1104	1102/1104	
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	85/86	
8.2	APPLICATION OF PCN-123		SATISFACTORY			
8.3	INSUALTION		SATISFACTORY			
9.	Traceability of Furnishing Items:			Make		
i.	BRAKE EQUIPMENT			ESCORT		
ii.	SEAT & BERTH			SAVITRI		
iii.	WATER TANKS			RUBICONE		
iv.	PVC			PREMIER POLYFILM		
v.	FLOOR BOARD			TAYAL		
vi.	WINDOWS			MECIDON		
vii.	LAV. DOORS			AMIR CHAND		
viii.	LP SHEET			NA		
ix)	BIO- TOILET			AMIT, ORIENTAL		
10.	10.1	Modification/ Trial (if any):			NIL	
	10.2	Deviations (if any):			NIL	



रेल डिब्बा कारखाना, कपूरथला

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11.	Bogie Details:	Shell No.	Railway		Type	Coach No.		Dispatch Date		
		5185	EC		GS	15456		25-07-2015		
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
11.2	Wheel & Axle Details:	PP Side				NPP Side				
	i. Bogie No.	150928				150924				
	ii. Frame No.	UBLS-1509				UBLS-1494				
	iii. Axle No.	A-4544		S-1471		W-2593		Z-7278		
	iv. Wheel Diameter	912.00	912.00	914.00	914.00	912.00	912.00	913.00	913.00	
	v. Wheel Disc No.	73722/ 73194	06758/ 13172	16432/ 16685	16685/ 16441	11880/ 15529	05350/ 13495	11851/ 15529	05493/13 495	
	vi. R.B. Nos.	A-1256	M-3176	X-1593	X-1630	W1113	W1497	X0954	X-0975	
	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-E12822,E12838		PEW-E12795,E11756			
	ii.	SECONDARY Shock Absorber Make &NO.			ESCORTS-0625,0645		ESCORTS-0656,0119			
11.4	i.	Modification/ Trail (if any):			NIL					
	ii.	Deviations (if any):			LESS WHEEL DIA					

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Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;
Version: 05

1.	SHELL No:	5182	DISPATCH DATE:			04.08.2015
2.	RAILWAY	ECR	Type:	GS	Coach No.:	15453
3.	Booked to	SSE/C&W/DNR				
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/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:			Make		
i.	BRAKE EQUIPMENT			ESCORT		
ii.	SEAT & BERTH			OVPL		
iii.	WATER TANKS			RUBICONE		
iv.	PVC			RESPONSIVE		
v.	FLOOR BOARD			TAYAL		
vi.	WINDOWS			MECIDON		
vii.	LAV. DOORS			AMIR CHAND		
viii.	LP SHEET			NA		
ix)	BIO- TOILET			JSL		
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			
		5182	EC	GS	15453	21-07-2015			
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'								
11.2	Wheel & Axle Details:	PP Side				NPP Side			
	i. Bogie No.	150920				150914			
	ii. Frame No.	ASR-389				ASR-379			
	iii. Axle No.	A-4910		V-9144		A-4742		A-4263	
	iv. Wheel Diameter	917.00	917.00	916.00	916.00	916.00	916.00	915.50	916.00
	v. Wheel Disc No.	17139/ 16797	21486/ 00371	21485/ 00371	23577/ 00223	74248/ 12605	21739/ 00238	21766/ 00238	20588/00 134
	vi. R.B. Nos.	V1268	V0800	V1184	V1194	V1188	V1147	W0739	W0887
	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-E12744,E12829			PEW-E12909,E12750	
	ii.	SECONDARY Shock Absorber Make &NO.			ESCORTS-0558,0634			IAI-128507,128589	
11.4	i.	Modification/ Trail (if any):			NIL				
	ii.	Deviations (if any):			NIL				

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ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;
Version: 05

1.	SHELL No:	5183	DISPATCH DATE:			07.08.2015
2.	RAILWAY	ECR	Type:	GS	Coach No.:	15454
3.	Booked to	SSE/C&W/DNR				
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/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:			Make		
i.	BRAKE EQUIPMENT			ESCORT		
ii.	SEAT & BERTH			SAVITRI		
iii.	WATER TANKS			RUBICONE		
iv.	PVC			PREMIER POLYFILM		
v.	FLOOR BOARD			TAYAL		
vi.	WINDOWS			MECIDON		
vii.	LAV. DOORS			AMIR CHAND		
viii.	LP SHEET			NA		
ix)	BIO- TOILET			ORIENTAL, 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		
		5183	EC		GS	15454		21-07-2015		
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
11.2	Wheel & Axle Details:	PP Side				NPP Side				
	i. Bogie No.	150919				150917				
	ii. Frame No.	ASR-381				ASR-364				
	iii. Axle No.	A-5358		A-4184		Y-8609		A-5999		
	iv. Wheel Diameter	917.00	917.00	917.00	917.00	917.00	917.00	917.00	917.00	
	v. Wheel Disc No.	09040/239	07182/267	11983/398	11747/392	12003/219	12082/290	09145/295	07226/232	
	vi. R.B. Nos.	X1270	V0621	V2115	V2297	V0809	V0737	V0647	V0744	
	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-12810,13889		PEW-12850,12759			
	ii.	SECONDARY Shock Absorber Make &NO.			ESCORTSI-639,624		ESCORTS-0642,0637			
11.4	i.	Modification/ Trail (if any):			NIL					
	ii.	Deviations (if any):			NIL					

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ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;
Version: 05

1.	SHELL No:	5184	DISPATCH DATE:			07.08.2015
2.	RAILWAY	ECR	Type:	GS	Coach No.:	15459
3.	Booked to	SSE/C&W/DNR				
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/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:			Make		
i.	BRAKE EQUIPMENT			ESCORT		
ii.	SEAT & BERTH			OVPL		
iii.	WATER TANKS			AMIT		
iv.	PVC			PREMIER POLYFILM		
v.	FLOOR BOARD			TAYAL		
vi.	WINDOWS			AGF, MECIDON		
vii.	LAV. DOORS			AMIR CHAND		
viii.	LP SHEET			NK		
ix)	BIO- TOILET			ORIENTAL, 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		
		5184	ECR		GS	15459		27-07-2015		
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
11.2	Wheel & Axle Details:	PP Side				NPP Side				
	i. Bogie No.	150941				150927				
	ii. Frame No.	ASR-400				UBLS-1489				
	iii. Axle No.	A-4483		V-9724		A-3645		A5064		
	iv. Wheel Diameter	918.00	918.00	918.00	918.00	918.00	918.00	918.00	918.00	
	v. Wheel Disc No.	120102/287	12063/284	11837/383	11780/212	12264/395	11784/242	12036/279	12134/312	
	vi. R.B. Nos.	V0747	W2349	V0806	V0825	V1482	V1272	W2351	W2354	
	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-12869,12872		PEW-12830,12772			
	ii.	SECONDARY Shock Absorber Make &NO.			ESCORTS-0373,0104		ESCORTS-0432,0413			
11.4	i.	Modification/ Trail (if any):			NIL					
	ii.	Deviations (if any):			NIL					

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ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;
Version: 05

1.	SHELL No:	5181	DISPATCH DATE:			13.08.2015
2.	RAILWAY	ECR	Type:	GS	Coach No.:	15452
3.	Booked to	SSE/C&W/DNR				
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/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	86/87	
8.2	APPLICATION OF PCN-123		SATISFACTORY			
8.3	INSUALTION		SATISFACTORY			
9.	Traceability of Furnishing Items:			Make		
i.	BRAKE EQUIPMENT			ESCORT		
ii.	SEAT & BERTH			OVPL		
iii.	WATER TANKS			RUBICONE		
iv.	PVC			RESPONSIVE		
v.	FLOOR BOARD			TAYAL		
vi.	WINDOWS			AGF, MECIDON		
vii.	LAV. DOORS			AMIR CHAND		
viii.	LP SHEET			NA		
ix)	BIO- TOILET			OMAX, ORIENTAL		
10.	10.1	Modification/ Trial (if any):			NIL	
	10.2	Deviations (if any):			NIL	



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11.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date			
		5181	EC	GS	15452	20-07-2015			
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'								
11.2	Wheel & Axle Details:	PP Side				NPP Side			
	i. Bogie No.	150912				150911			
	ii. Frame No.	ASR-377				ASR-366			
	iii. Axle No.	A-3735		A-3976		A-3662		A4863	
	iv. Wheel Diameter	917.50	917.00	917.00	917.00	917.00	917.00	917.00	917.00
	v. Wheel Disc No.	07334/273	07163/235	06938/228	08074/213	12029/202	12176/286	12134/278	09005/265
	vi. R.B. Nos.	V1502	V0802	V1301	V0779	V1484	V0820	V0801	V1512
	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-E12751,E12927			PEW-E12885,E12840	
	ii.	SECONDARY Shock Absorber Make &NO.			IAI-128691,128695			IAI-128441,128622	
11.4	i.	Modification/ Trail (if any):			NIL				
	ii.	Deviations (if any):			NIL				

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