



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

1.	SHELL No:	5404	DISPATCH DATE:			23.02.2016	
2.	RAILWAY	SEC	Type:	GS	Coach No.:	15406	
3.	Booked to		SSE/C&W/BSP				
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			181.5 mm (AE63143)			
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			ESCORTS			
ii.	SEAT & BERTH			SAVITRI			
iii.	WATER TANKS			AMIT			
iv.	PVC			RESPONSIVE			
v.	FLOOR BOARD			NARBADA			
vi.	WINDOWS			AGF			
vii.	LAV. DOORS			TWPL			
viii.	LP SHEET			LP			
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				
		5404	SEC	GS	15406	20-11-2015				
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
11.2	Wheel & Axle Details:	PP Side				NPP Side				
	i. Bogie No.	151499				151492				
	ii. Frame No.	UBLS-1682				UBLS-1689				
	iii. Axle No.	K-4248		P-3713		A-5620		Y-6857		
	iv. Wheel Diameter	916.00	916.00	916.00	916.00	916.00	916.00	916.00	916.00	
	v. Wheel Disc No.	06963/272	15242/222	14014/297	13878/394	15402/393	13921/287	14016/381	14051/220	
	vi. R.B. Nos.	H0804	H0806	H0757	H0775	H0956	H0789	H0920	H0805	
	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-201,195		PEW-141,048		
	ii.	SECONDARY Shock Absorber Make &NO.				ESCORTS-8798,8960		ESCORTS-9103,8795		
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:	5422	DISPATCH DATE:			10.02.2016	
2.	RAILWAY	SEC	Type:	GS	Coach No.:	15412	
3.	Booked to		SSE/C&W/BSP				
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				181.5 mm (AE63143)		
vii)	Buffer/CBC Height	Specified : 1104 +0 /-10 mm		1102/1102	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	87/88		
8.2	APPLICATION OF PCN-123			SATISFACTORY			
8.3	INSUALTION			SATISFACTORY			
9.	Traceability of Furnishing Items:						
i.	BRAKE EQUIPMENT			Make ESCORTS			
ii.	SEAT & BERTH			SAVITRI			
iii.	WATER TANKS			RUBICONE			
iv.	PVC			RESPONSIVE			
v.	FLOOR BOARD			NARBADA			
vi.	WINDOWS			AGF, MECIDON			
vii.	LAV. DOORS			TWPL			
viii.	LP SHEET			PL			
ix)	BIO- TOILET			RAIL TECH			
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				
		5422	SEC		GS	15412	31-12-2015				
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'										
11.2	Wheel & Axle Details:	PP Side					NPP Side				
	i.	Bogie No.	151692					151687			
	ii.	Frame No.	ASR-926					UBLS-1710			
	iii.	Axle No.	6097		J-8847		06211		06209		
	iv.	Wheel Diameter	917.00	917.00	916.00	916.00	916.00	916.00	915.00	915.00	
	v.	Wheel Disc No.	49602/10345	50104/10518	47745/09724	44190/02577	50082/10518	50091/10518	49625/10345	49634/10345	
	vi.	R.B. Nos.	Q3297	Q3348	S1031	S1095	S1146	S1144	S1163	S1131	
	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-E11612,E9973		ATOOL-853,PEW-E11598			
	ii.	SECONDARY Shock Absorber Make &NO.				ESCORTS-0315,0111		ESCORTS-0432,0113			
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:	5425	DISPATCH DATE:			08.02.2016	
2.	RAILWAY	SEC	Type:	GS	Coach No.:	15411	
3.	Booked to		SSE/C&W/BSP				
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			181.5 mm (AE63143)			
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	VIBGYOR	87/88		
8.2	APPLICATION OF PCN-123			SATISFACTORY			
8.3	INSUALTION			SATISFACTORY			
9.	Traceability of Furnishing Items:			Make			
i.	BRAKE EQUIPMENT			ESCORTS			
ii.	SEAT & BERTH			SAVITRI			
iii.	WATER TANKS			RUBICONE			
iv.	PVC			RESPONSIVE			
v.	FLOOR BOARD			NARBADA			
vi.	WINDOWS			AGF, ABC, MECIDON			
vii.	LAV. DOORS			TWPL			
viii.	LP SHEET			LP			
ix)	BIO- TOILET			RAIL TECH			
10.	10.1	Modification/ Trial (if any):		NIL			
	10.2	Deviations (if any):		NIL			



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11.	Bogie Details:	Shell No.	Railway		Type	Coach No.		Dispatch Date			
		5425	SEC		GS	15411		07-01-2016			
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'										
11.2	Wheel & Axle Details:	PP Side				NPP Side					
	i.	Bogie No.	160014				160013				
	ii.	Frame No.	ASR-890				ASR-951				
	iii.	Axle No.	F-3622		03493		A-3810		06500		
	iv.	Wheel Diameter	909.00	909.00	913.50	913.50	909.00	909.00	912.00	912.00	
	v.	Wheel Disc No.	05119-13830	05925/13448	47593/09658	47724/09724	65338/11981	54788/09175	49559/10345	44192/02577	
	vi.	R.B. Nos.	S0541	S0555	V1204	V1190	S0549	S0544	V1132	V1280	
	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-10069,10031		PEW-9987,ATOOL-908			
	ii.	SECONDARY Shock Absorber Make &NO.				ESCORTS-0151,0652		ESCORTS-0516,0649			
11.4	i.	Modification/ Trail (if any):				NIL					
	ii.	Deviations (if any):				LESS WHEEL DIA					

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Form No. : QMF4254; Version: 05

1.	SHELL No:	5432	DISPATCH DATE:			08.02.2016	
2.	RAILWAY	SEC	Type:	GS	Coach No.:	15408	
3.	Booked to		SSE/C&W/BSP				
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			181.5 mm (AE63143)		
	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	VIBGYOR	86/87		
	8.2	APPLICATION OF PCN-123			SATISFACTORY		
	8.3	INSUALTION			SATISFACTORY		
9.	Traceability of Furnishing Items:				Make		
	i.	BRAKE EQUIPMENT			ESCORTS		
	ii.	SEAT & BERTH			SAVITRI		
	iii.	WATER TANKS			AMIT, RUBICONE		
	iv.	PVC			RESPONSIVE		
	v.	FLOOR BOARD			NARBADA		
	vi.	WINDOWS			AGF, ABC, MECIDON		
	vii.	LAV. DOORS			TWPL		
	viii.	LP SHEET			LP		
	ix)	BIO- TOILET			RAIL TECH		
10.	10.1	Modification/ Trial (if any):			NIL		
	10.2	Deviations (if any):			NIL		



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11.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date			
		5432	SECR	GS	15408	12-01-2016			
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'								
11.2	Wheel & Axle Details:	PP Side				NPP Side			
	i. Bogie No.	160037				160036			
	ii. Frame No.	ASR-1004				ASR-1002			
	iii. Axle No.	06432		M-8224		K-7482		6756	
	iv. Wheel Diameter	916.00	916.00	916.00	916.00	916.50	916.00	915.00	915.00
	v. Wheel Disc No.	44773/ 09176	47585/ 09658	12086/ 00468	17675/ 17419	50110/ 10518	49086/ 10177	49426/ 10515	49075/10 177
	vi. R.B. Nos.	P0354	P0422	S0556	S0550	Q0295	Q0323	P0420	P0784
	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-10081,11747			PEW-10152,10150	
	ii.	SECONDARY Shock Absorber Make &NO.			ESCORTS-0199,0951			ESCORTS-0121,1334	
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:	5443	DISPATCH DATE:			12.02.2016	
2.	RAILWAY	SEC	Type:	GS	Coach No.:	15414	
3.	Booked to		SSE/C&W/BSP				
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			181.5 mm (AE63143)		
	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	VIBGYOR	85/86		
	8.2	APPLICATION OF PCN-123			SATISFACTORY		
	8.3	INSUALTION			SATISFACTORY		
9.	Traceability of Furnishing Items:				Make		
	i.	BRAKE EQUIPMENT			ESCORTS		
	ii.	SEAT & BERTH			MANOJ		
	iii.	WATER TANKS			RUBICONE		
	iv.	PVC			RESPONSIVE		
	v.	FLOOR BOARD			NARBADA		
	vi.	WINDOWS			AGF, MECIDONE		
	vii.	LAV. DOORS			TWPL		
	viii.	LP SHEET			PL		
	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	
		5443		SECR		GS		15414		15-01-2016	
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'										
11.2	Wheel & Axle Details:		PP Side				NPP Side				
	i.	Bogie No.	160052				160058				
	ii.	Frame No.	RBO-1792				RBO-1842				
	iii.	Axle No.	J-8680		J-3029		F-5916		K-8135		
	iv.	Wheel Diameter	915.00	915.00	915.00	915.00	915.50	915.00	915.00	915.00	
	v.	Wheel Disc No.	49300/10278	53017/11194	47699/09724	49023/10172	47756/09624	49379/10278	47710/09724	49375/10278	
	vi.	R.B. Nos.	T0885	T0876	T0089	T0064	T0479	V1326	V1244	V0910	
	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.				AJT-8674,8679			PEW-E14762,E14174		
	ii.	SECONDARY Shock Absorber Make &NO.				K/B-00001,99981			K/B-00684,99851		
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:	5444	DISPATCH DATE:			12.02.2016	
2.	RAILWAY	SEC	Type:	GS	Coach No.:	15416	
3.	Booked to		SSE/C&W/BSP				
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				181.5 mm (AE63143)		
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	VIBGYOR	85/86			
8.2	APPLICATION OF PCN-123		SATISFACTORY				
8.3	INSUALTION		SATISFACTORY				
9.	Traceability of Furnishing Items:			Make			
i.	BRAKE EQUIPMENT			ESCORTS			
ii.	SEAT & BERTH			MANOJ			
iii.	WATER TANKS			AMIT			
iv.	PVC			RESPONSIVE			
v.	FLOOR BOARD			NARBADA			
vi.	WINDOWS			AGF, MECIDONE			
vii.	LAV. DOORS			TWPL			
viii.	LP SHEET			PL			
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				
		5444	SECR	GS	15416	13-01-2016				
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
11.2	Wheel & Axle Details:	PP Side				NPP Side				
	i.	Bogie No.	160043				151700			
	ii.	Frame No.	ASR-748				ASR-956			
	iii.	Axle No.	W-2885		J-3305		A-3987		A-4030	
	iv.	Wheel Diameter	915.00	915.00	916.00	916.00	915.00	915.00	916.00	916.00
	v.	Wheel Disc No.	16490/354	16511/206	16233/319	16768/203	16508/240	16520/332	16507/290	16419/333
	vi.	R.B. Nos.	Q3343	V1264	T0106	T0096	Q3244	Q3360	Q3264	Q3256
	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-E-7909,11800		ASSOC-923,917		
	ii.	SECONDARY Shock Absorber Make &NO.				K/B-02775,02780		ESCORT-182,194		
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:	5446	DISPATCH DATE:			09.02.2016	
2.	RAILWAY	SEC	Type:	GS	Coach No.:	15410	
3.	Booked to		SSE/C&W/BSP				
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			181.5 mm (AE63143)			
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:						
i.	BRAKE EQUIPMENT			Make ESCORTS			
ii.	SEAT & BERTH			SAVITRI			
iii.	WATER TANKS			RUBICONE, AMIT			
iv.	PVC			RESPONSIVE			
v.	FLOOR BOARD			NARBADA			
vi.	WINDOWS			AGF, MECIDON			
vii.	LAV. DOORS			TWPL			
viii.	LP SHEET			LP			
ix)	BIO- TOILET			RAIL TECH			
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		
		5446	SEC		GS	15410		24-12-2015		
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
11.2	Wheel & Axle Details:	PP Side				NPP Side				
	i. Bogie No.	151668				151671				
	ii. Frame No.	ASR-938				ASR-931				
	iii. Axle No.	K-8639		J-2882		G-9936		J-3308		
	iv. Wheel Diameter	917.00	917.00	917.00	917.00	916.00	916.00	915.00	915.00	
	v. Wheel Disc No.	15753/392	15482/295	15225/220	16245/267	15394/316	14126/374	16428/398	15246/311	
	vi. R.B. Nos.	S1042	S1018	S1013	S1065	S1021	S1026	S1168	S1048	
	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.			ATOOLS-901,878		ATOOLS-862,944			
	ii.	SECONDARY Shock Absorber Make &NO.			ESCORTS-627,626		ESCORTS-0289,0426			
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:	5450	DISPATCH DATE:			11.02.2016	
2.	RAILWAY	SEC	Type:	GS	Coach No.:	15415	
3.	Booked to		SSE/C&W/BSP				
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				181.5 mm (AE63143)		
vii)	Buffer/CBC Height	Specified : 1104 +0 /-10 mm		1100/1100	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	87/88		
8.2	APPLICATION OF PCN-123			SATISFACTORY			
8.3	INSUALTION			SATISFACTORY			
9.	Traceability of Furnishing Items:						
i.	BRAKE EQUIPMENT			Make ESCORTS			
ii.	SEAT & BERTH			SAVITRI			
iii.	WATER TANKS			AMIT, RUBICONE			
iv.	PVC			RESPONSIVE			
v.	FLOOR BOARD			NARBADA			
vi.	WINDOWS			AGF, ABC, MECIDON			
vii.	LAV. DOORS			TWPL			
viii.	LP SHEET			PL			
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	
		5450		SEC		GS		15415		01-02-2016	
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'										
11.2	Wheel & Axle Details:		PP Side				NPP Side				
	i.	Bogie No.	160088				160118				
	ii.	Frame No.	UBLS-1818				ASR-11				
	iii.	Axle No.	K-1257		K-8564		K-5756		K-4886		
	iv.	Wheel Diameter	915.00	915.00	915.50	915.50	916.00	916.00	916.00	916.00	
	v.	Wheel Disc No.	53172/ 11227	53108/ 11227	53061/ 11194	40244/ 08318	47540/ 09658	53073/ 11194	53193/ 11227	53165/ 11227	
	vi.	R.B. Nos.	V1354	V1174	T0777	T0770	T0221	T0244	T0234	T0234	
	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.				ATOOL-650,606			ATOOL-725,749		
	ii.	SECONDARY Shock Absorber Make &NO.				K/B-03127,02873			K/B-02971,02965		
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:	5453	DISPATCH DATE:			16.02.2016	
2.	RAILWAY	SEC	Type:	GS	Coach No.:	15413	
3.	Booked to		SSE/C&W/BSP				
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			181.5 mm (AE63143)			
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:						
i.	BRAKE EQUIPMENT			Make ESCORTS			
ii.	SEAT & BERTH			SAVITRI			
iii.	WATER TANKS			AMIT, RUBICONE			
iv.	PVC			RESPONSIVE			
v.	FLOOR BOARD			NARBADA			
vi.	WINDOWS			AGF, MECIDONE			
vii.	LAV. DOORS			TWPL			
viii.	LP SHEET			PL			
ix)	BIO- TOILET			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			
		5453	SEC	GS	15413	02-02-2016			
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'								
11.2	Wheel & Axle Details:	PP Side				NPP Side			
	i. Bogie No.	160073				160076			
	ii. Frame No.	UBLS-1788				ASR-835			
	iii. Axle No.	J-8790		J-3121		K-5183		06735	
	iv. Wheel Diameter	915.50	915.00	915.00	915.00	915.00	915.00	916.00	916.00
	v. Wheel Disc No.	53116/ 11227	55179/ 11227	52416/ 11085	52369/ 11085	53092/ 11194	52601/ 11098	53215/ 11227	53191/11 227
	vi. R.B. Nos.	V1306	R1303	Q0652	T0830	Q0635	T0825	Q0673	T0811
	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.			A TOOL-609,747		ATOOL-624,644		
	ii.	SECONDARY Shock Absorber Make &NO.			K/B-06705,03081		K/B-2937,2929		
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:	5454	DISPATCH DATE:			15.02.2016	
2.	RAILWAY	SEC	Type:	GS	Coach No.:	15420	
3.	Booked to		SSE/C&W/BSP				
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				181.5 mm (AE63143)		
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		VIBGYOR	86/87		
8.2	APPLICATION OF PCN-123		SATISFACTORY				
8.3	INSUALTION		SATISFACTORY				
9.	Traceability of Furnishing Items:			Make			
i.	BRAKE EQUIPMENT		ESCORTS				
ii.	SEAT & BERTH		SAVITRI				
iii.	WATER TANKS		AMIT				
iv.	PVC		RESPONSIVE				
v.	FLOOR BOARD		NARBADA				
vi.	WINDOWS		AGF, MECIDONE				
vii.	LAV. DOORS		TWPL				
viii.	LP SHEET		PL				
ix)	BIO- TOILET		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				
		5454	SEC	GS	15420	03-02-2016				
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
11.2	Wheel & Axle Details:	PP Side				NPP Side				
	i. Bogie No.	160140				160127				
	ii. Frame No.	ASR-21				ASR-895				
	iii. Axle No.	H-0057		G-9998		K-4365		K-7254		
	iv. Wheel Diameter	916.00	916.00	916.00	916.00	916.00	916.00	916.00	916.00	
	v. Wheel Disc No.	16602/ 230	16463/ 220	16589/ 281	16387/ 231	10364/ 260	10363/ 246	10369/ 295	16535/24 1	
	vi. R.B. Nos.	R3100	R2813	T0025	T0001	T0010	T0090	T0005	T0085	
	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.				ATOOL-732,629		ATOOL-677,735		
	ii.	SECONDARY Shock Absorber Make &NO.				K/B-03149,03117		K/B-06709,06349		
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:	5458	DISPATCH DATE:			13.02.2016	
2.	RAILWAY	SEC	Type:	GS	Coach No.:	15417	
3.	Booked to		SSE/C&W/BSP				
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			181.5 mm (AE63143)			
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	87/88		
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 ENTERPRISE			
iii.	WATER TANKS			RUBICONE			
iv.	PVC			RESPONSIVE			
v.	FLOOR BOARD			NARBADA			
vi.	WINDOWS			AGF, ABC, MECIDON			
vii.	LAV. DOORS			TWPL			
viii.	LP SHEET			LP			
ix)	BIO- TOILET			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				
		5458	SEC	GS	15417	02-02-2016				
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
11.2	Wheel & Axle Details:	PP Side				NPP Side				
	i. Bogie No.	160136				160135				
	ii. Frame No.	ASR-778				ASR-1001				
	iii. Axle No.	K-4949		K-7499		F-5902		H-0099		
	iv. Wheel Diameter	916.00	916.00	916.00	916.00	916.50	916.00	916.50	916.00	
	v. Wheel Disc No.	16188/ 232	16742/ 318	10212/ 374	16737/ 329	10312/ 225	16506/ 386	16685/ 321	16387/39 8	
	vi. R.B. Nos.	Q717	Q0728	Q0414	Q0470	Q0477	Q0452	Q0441	T0023	
	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.				A TOOL-748,717		A TOOL-761,756		
	ii.	SECONDARY Shock Absorber Make &NO.				K/B-03100,03132		K/B-02863,03049		
11.4	i.	Modification/ Trail (if any):				NIL				
	ii.	Deviations (if any):				NIL				

GS-5458



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Rail Coach Factory , Kapurthala

ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

1.	SHELL No:	5456	DISPATCH DATE:			18.02.2016	
2.	RAILWAY	SEC	Type:	GS	Coach No.:	15423	
3.	Booked to		SSE/C&W/BSP				
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				181.5 mm (AE63143)		
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	86/87		
8.2	APPLICATION OF PCN-123			SATISFACTORY			
8.3	INSUALTION			SATISFACTORY			
9.	Traceability of Furnishing Items:						
i.	BRAKE EQUIPMENT			Make ESCORTS			
ii.	SEAT & BERTH			SAVITRI			
iii.	WATER TANKS			AMIT			
iv.	PVC			RESPONSIVE			
v.	FLOOR BOARD			NARBADA			
vi.	WINDOWS			AGF, MECIDONE			
vii.	LAV. DOORS			TWPL			
viii.	LP SHEET			PL			
ix)	BIO- TOILET			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				
		5456	SEC		GS	15423	04-02-2016				
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'										
11.2	Wheel & Axle Details:	PP Side					NPP Side				
	i.	Bogie No.	160144					160145			
	ii.	Frame No.	ASR-30					RBO-1740			
	iii.	Axle No.	C-1984		H-8917		C-2210		J-2819		
	iv.	Wheel Diameter	916.00	916.00	916.00	916.00	916.00	916.00	916.00	916.00	
	v.	Wheel Disc No.	16759/218	16496/332	16727/329	16515/242	16440/281	16722/272	16739/229	16740/249	
	vi.	R.B. Nos.	Q0667	Q0423	Q0856	Q0846	Q0424	V1173	Q0878	Q0879	
	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.					A TOOL-669,733		A TOOL-709,707		
	ii.	SECONDARY Shock Absorber Make &NO.					K/B-02828,2821		K/B-02961,02973		
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:	5459	DISPATCH DATE:			17.02.2016	
2.	RAILWAY	SEC	Type:	GS	Coach No.:	15421	
3.	Booked to		SSE/C&W/BSP				
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				181.5 mm (AE63143)		
vii)	Buffer/CBC Height		Specified : 1104 +0 /-10 mm		1104/1104	1104/1104	
viii)	Buffer/CBC (Make)				HEPL		
ix)	Draw Gear (Make)				EMSON		
7.	Air Brake Testing:						
	Description			Specified			
7.1	Emergency Application	Time for 0 to 3.6 Kg/cm ² of BC		Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type)			
		Brake release time to reach .4 Kg/cm ²		Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type)			
7.2	Insensitivity	BP dipped @ 0.30 Kg/cm ² n 60 sec		No brake application			
7.3	Sensitivity	BP dipped @ 0.60 Kg/cm ² in 6 sec		Brakes "ON"			
7.4	Passenger alarm by pulling chain			BP Blasts out, Brakes "ON"			
7.5	Piston stroke for BMBC type coach only			19 +10/-0 mm (NAC)			
8.	PAINTING DEATAILS:						
		TYPE OF PAINT		MAKE	AVERAGE GLOSS VALUE		
8.1	PAINT	PU PAINT		VIBGYOR	85/86		
8.2	APPLICATION OF PCN-123			SATISFACTORY			
8.3	INSUALTION			SATISFACTORY			
9.	Traceability of Furnishing Items:				Make		
i.	BRAKE EQUIPMENT			ESCORTS			
ii.	SEAT & BERTH			SAVITRI			
iii.	WATER TANKS			AMIT			
iv.	PVC			RESPONSIVE			
v.	FLOOR BOARD			NARBADA			
vi.	WINDOWS			AGF			
vii.	LAV. DOORS			TWPL			
viii.	LP SHEET			PL			
ix)	BIO- TOILET			ORIENTAL			
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		
		5459	SEC		GS		15421		03-02-2016		
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'										
11.2	Wheel & Axle Details:	PP Side				NPP Side					
	i.	Bogie No.	160137				160097				
	ii.	Frame No.	RBO-1863				RBO-1803				
	iii.	Axle No.	J-3317		J-2906		F-5751		K-8684		
	iv.	Wheel Diameter	916.00	916.00	916.00	916.00	916.00	916.00	917.00	917.00	
	v.	Wheel Disc No.	16427/ 220	16680/ 330	16429/ 224	16508/ 398	16513/ 242	16397/ 392	16139/ 269	16264/38 5	
	vi.	R.B. Nos.	T0024	T0073	T0720	T0513	Q0450	T0026	Q0421	Q0686	
	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.				ATOOL-755,678			ATOOL-657,719		
	ii.	SECONDARY Shock Absorber Make &NO.				K/B-02793,03000			K/B-06714,06702		
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:	5462	DISPATCH DATE:			20.02.2016	
2.	RAILWAY	SEC	Type:	GS	Coach No.:	15424	
3.	Booked to		SSE/C&W/BSP				
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				181.5 mm (AE63143)		
vii)	Buffer/CBC Height		Specified : 1104 +0 /-10 mm		1104/1104	1104/1104	
viii)	Buffer/CBC (Make)				HEPL		
ix)	Draw Gear (Make)				EMSON		
7.	Air Brake Testing:						
	Description			Specified			
7.1	Emergency Application	Time for 0 to 3.6 Kg/cm ² of BC		Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type)			
		Brake release time to reach .4 Kg/cm ²		Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type)			
7.2	Insensitivity	BP dipped @ 0.30 Kg/cm ² n 60 sec		No brake application			
7.3	Sensitivity	BP dipped @ 0.60 Kg/cm ² in 6 sec		Brakes "ON"			
7.4	Passenger alarm by pulling chain			BP Blasts out, Brakes "ON"			
7.5	Piston stroke for BMBC type coach only			19 +10/-0 mm (NAC)			
8.	PAINTING DEATAILS:						
		TYPE OF PAINT		MAKE	AVERAGE GLOSS VALUE		
8.1	PAINT	PU PAINT		VIBGYOR	85/86		
8.2	APPLICATION OF PCN-123		SATISFACTORY				
8.3	INSUALTION		SATISFACTORY				
9.	Traceability of Furnishing Items:			Make			
i.	BRAKE EQUIPMENT			ESCORTS			
ii.	SEAT & BERTH			SAVITRI			
iii.	WATER TANKS			AMIT			
iv.	PVC			RESPONSIVE			
v.	FLOOR BOARD			NARBADA			
vi.	WINDOWS			ABC, AGF, MECIDONE			
vii.	LAV. DOORS			TWPL			
viii.	LP SHEET			PL			
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				
		5462	SECR	GS	15424	03-02-2016				
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
11.2	Wheel & Axle Details:	PP Side				NPP Side				
	i. Bogie No.	160089				160121				
	ii. Frame No.	RBO-1796				ASR-04				
	iii. Axle No.	K-5337		6412		J-8767		J-2975		
	iv. Wheel Diameter	915.00	915.00	913.00	913.00	916.00	916.00	915.00	915.00	
	v. Wheel Disc No.	49276/10278	53120/11227	42255/08197	49405/10379	49256/10278	52368/11085	53118/11227	53163/11227	
	vi. R.B. Nos.	T0858	T0233	V1022	V1044	T0521	T0527	T0729	V1219	
	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.				ATOOL-754,736		ATOOL-734,660		
	ii.	SECONDARY Shock Absorber Make &NO.				K/B-02902,02901		K/B-02770,02994		
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:	5464	DISPATCH DATE:			16.02.2016	
2.	RAILWAY	SEC	Type:	GS	Coach No.:	15418	
3.	Booked to		SSE/C&W/BSP				
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				181.5 mm (AE63143)		
vii)	Buffer/CBC Height		Specified : 1104 +0 /-10 mm		1104/1104	1104/1104	
viii)	Buffer/CBC (Make)				HEPL		
ix)	Draw Gear (Make)				EMSON		
7.	Air Brake Testing:						
	Description			Specified			
7.1	Emergency Application	Time for 0 to 3.6 Kg/cm ² of BC		Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type)			
		Brake release time to reach .4 Kg/cm ²		Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type)			
7.2	Insensitivity	BP dipped @ 0.30 Kg/cm ² n 60 sec		No brake application			
7.3	Sensitivity	BP dipped @ 0.60 Kg/cm ² in 6 sec		Brakes "ON"			
7.4	Passenger alarm by pulling chain			BP Blasts out, Brakes "ON"			
7.5	Piston stroke for BMBC type coach only			19 +10/-0 mm (NAC)			
8.	PAINTING DEATAILS:						
		TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE			
8.1	PAINT	PU PAINT	VIBGYOR	85/86			
8.2	APPLICATION OF PCN-123		SATISFACTORY				
8.3	INSUALTION		SATISFACTORY				
9.	Traceability of Furnishing Items:			Make			
i.	BRAKE EQUIPMENT			ESCORTS			
ii.	SEAT & BERTH			MANOJ			
iii.	WATER TANKS			AMIT			
iv.	PVC			RESPONSIVE			
v.	FLOOR BOARD			NARBADA			
vi.	WINDOWS			AGF, ABC, MECIDONE			
vii.	LAV. DOORS			TWPL			
viii.	LP SHEET			PL			
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				
		5464	SECR	GS	15418	04-02-2016				
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
11.2	Wheel & Axle Details:	PP Side				NPP Side				
	i. Bogie No.	160148				160146				
	ii. Frame No.	RBO-1814				RBO-1770				
	iii. Axle No.	H-9015		W-2973		K-7523		K-7171		
	iv. Wheel Diameter	916.00	916.00	915.00	915.00	916.50	916.00	916.00	916.00	
	v. Wheel Disc No.	16712/ 265	16683/ 332	04052/ 246	03622/ 375	16259/ 393	16273/ 287	16502/ 383	10313/28 4	
	vi. R.B. Nos.	Q0684	Q0422	Q0475	Q0449	Q0468	Q0862	V1238	V1118	
	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.				A TOOL-632,726		A TOOL-656,702		
	ii.	SECONDARY Shock Absorber Make &NO.				K/B-02831,02980		K/B-02962,02819		
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:	5465	DISPATCH DATE:			15.02.2016	
2.	RAILWAY	SEC	Type:	GS	Coach No.:	15419	
3.	Booked to		SSE/C&W/BSP				
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				181.5 mm (AE63143)		
vii)	Buffer/CBC Height		Specified : 1104 +0 /-10 mm		1104/1104	1104/1104	
viii)	Buffer/CBC (Make)				HEPL		
ix)	Draw Gear (Make)				EMSON		
7.	Air Brake Testing:						
	Description			Specified			
7.1	Emergency Application	Time for 0 to 3.6 Kg/cm ² of BC		Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type)			
		Brake release time to reach .4 Kg/cm ²		Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type)			
7.2	Insensitivity	BP dipped @ 0.30 Kg/cm ² n 60 sec		No brake application			
7.3	Sensitivity	BP dipped @ 0.60 Kg/cm ² in 6 sec		Brakes "ON"			
7.4	Passenger alarm by pulling chain			BP Blasts out, Brakes "ON"			
7.5	Piston stroke for BMBC type coach only			19 +10/-0 mm (NAC)			
8.	PAINTING DEATAILS:						
			TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE		
8.1	PAINT		PU PAINT	VIBGYOR	85/87		
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			NARBADA			
vi.	WINDOWS			AGF, ABC			
vii.	LAV. DOORS			TWPL			
viii.	LP SHEET			PL			
ix)	BIO- TOILET			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			
		5465	SEC	GS	15419	04-02-2016			
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'								
11.2	Wheel & Axle Details:	PP Side				NPP Side			
	i. Bogie No.	160147				160086			
	ii. Frame No.	RBO-1800				UBLS-1731			
	iii. Axle No.	G-9866		J-3150		J-2934		K-8046	
	iv. Wheel Diameter	916.00	916.00	916.50	916.00	916.50	916.00	916.50	916.00
	v. Wheel Disc No.	16753/247	16507/285	16728/265	16720/315	16273/383	12105/212	16579/329	16262/391
	vi. R.B. Nos.	Q0735	Q0702	R3117	Q0473	Q0479	Q0472	Q0462	Q0467
	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.			A TOOL648,679-		PEW-F-094,F-182		
	ii.	SECONDARY Shock Absorber Make &NO.			K/B-02829,03026		K/B-02882,02815		
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:	5466	DISPATCH DATE:			18.02.2016	
2.	RAILWAY	SEC	Type:	GS	Coach No.:	15422	
3.	Booked to		SSE/C&W/BSP				
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				181.5 mm (AE63143)		
vii)	Buffer/CBC Height	Specified : 1104 +0 /-10 mm		1104/1104	1104/1104		
viii)	Buffer/CBC (Make)				HEPL		
ix)	Draw Gear (Make)				EMSON		
7.	Air Brake Testing:						
	Description			Specified			
7.1	Emergency Application	Time for 0 to 3.6 Kg/cm ² of BC		Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type)			
		Brake release time to reach .4 Kg/cm ²		Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type)			
7.2	Insensitivity	BP dipped @ 0.30 Kg/cm ² n 60 sec		No brake application			
7.3	Sensitivity	BP dipped @ 0.60 Kg/cm ² in 6 sec		Brakes "ON"			
7.4	Passenger alarm by pulling chain		BP Blasts out, Brakes "ON"				
7.5	Piston stroke for BMBC type coach only		19 +10/-0 mm (NAC)				
8.	PAINTING DEATAILS:						
		TYPE OF PAINT		MAKE	AVERAGE GLOSS VALUE		
8.1	PAINT	PU PAINT		VIBGYOR	85/86		
8.2	APPLICATION OF PCN-123		SATISFACTORY				
8.3	INSUALTION		SATISFACTORY				
9.	Traceability of Furnishing Items:			Make			
i.	BRAKE EQUIPMENT		ESCORTS				
ii.	SEAT & BERTH		SAVITRI				
iii.	WATER TANKS		AMIT				
iv.	PVC		RESPONSIVE				
v.	FLOOR BOARD		NARBADA				
vi.	WINDOWS		ABC, AGF				
vii.	LAV. DOORS		TWPL				
viii.	LP SHEET		PL				
ix)	BIO- TOILET		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		
		5466	SEC		GS	15422	05-02-2016		
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'								
11.2	Wheel & Axle Details:	PP Side				NPP Side			
	i. Bogie No.	160083				160151			
	ii. Frame No.	ASR-1008				RBO-1833			
	iii. Axle No.	K-4749		K-8045		J-3068		J-2780	
	iv. Wheel Diameter	916.00	916.00	916.00	916.00	916.00	916.00	916.00	916.00
	v. Wheel Disc No.	16789/ 321	16508/ 394	16692/ 242	16659/ 223	16659/ 378	16463/ 224	16742/ 238	16269/39 7
	vi. R.B. Nos.	Q0447	Q0653	Q0734	Q0643	Q0644	Q0620	Q0629	Q0665
	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-F039,F084		PEW-F055,F216		
	ii.	SECONDARY Shock Absorber Make &NO.			K/B-02882,03039		K/B-02981,3060		
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:	5470	DISPATCH DATE:			19.02.2016	
2.	RAILWAY	SEC	Type:	GS	Coach No.:	15425	
3.	Booked to		SSE/C&W/BSP				
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				181.5 mm (AE63143)		
vii)	Buffer/CBC Height	Specified : 1104 +0 /-10 mm		1104/1104	1104/1104		
viii)	Buffer/CBC (Make)				HEPL		
ix)	Draw Gear (Make)				EMSON		
7.	Air Brake Testing:						
	Description			Specified			
7.1	Emergency Application	Time for 0 to 3.6 Kg/cm ² of BC		Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type)			
		Brake release time to reach .4 Kg/cm ²		Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type)			
7.2	Insensitivity	BP dipped @ 0.30 Kg/cm ² n 60 sec		No brake application			
7.3	Sensitivity	BP dipped @ 0.60 Kg/cm ² in 6 sec		Brakes "ON"			
7.4	Passenger alarm by pulling chain		BP Blasts out, Brakes "ON"				
7.5	Piston stroke for BMBC type coach only		19 +10/-0 mm (NAC)				
8.	PAINTING DEATAILS:						
		TYPE OF PAINT		MAKE	AVERAGE GLOSS VALUE		
8.1	PAINT	PU PAINT		VIBGYOR	85/85		
8.2	APPLICATION OF PCN-123		SATISFACTORY				
8.3	INSUALTION		SATISFACTORY				
9.	Traceability of Furnishing Items:			Make			
i.	BRAKE EQUIPMENT		ESCORTS				
ii.	SEAT & BERTH		SAVITRI				
iii.	WATER TANKS		AMIT				
iv.	PVC		RESPONSIVE				
v.	FLOOR BOARD		NARBADA				
vi.	WINDOWS		ABC, AGF, MECIDONE				
vii.	LAV. DOORS		TWPL				
viii.	LP SHEET		PL				
ix)	BIO- TOILET		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				
		5470	SEC		GS	15425	11-02-2016				
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'										
11.2	Wheel & Axle Details:	PP Side				NPP Side					
	i.	Bogie No.	160115				160102				
	ii.	Frame No.	RBO-1813				ASR-567				
	iii.	Axle No.	J-8740		K-5310		F-5686		K-8895		
	iv.	Wheel Diameter	916.00	916.00	916.50	916.00	916.00	916.00	916.00	916.00	
	v.	Wheel Disc No.	16222/ 217	13870/ 247	16738/ 234	16736/ 317	10376/ 239	06883/ 378	16740/ 383	16760/39 6	
	vi.	R.B. Nos.	S1149	S1028	Q0743	Q0669	Q0404	V1165	Q0417	Q0418	
	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-256,421		PEW-297,288			
	ii.	SECONDARY Shock Absorber Make &NO.				K/B-02933,02988		K/B-03061,03833			
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:	5440	DISPATCH DATE:			01.03.2016	
2.	RAILWAY	SEC	Type:	GS	Coach No.:	15409	
3.	Booked to		SSE/C&W/BSP				
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				181.5 mm (AE63143)		
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:						
i.	BRAKE EQUIPMENT			Make ESCORTS			
ii.	SEAT & BERTH			SAVITRI			
iii.	WATER TANKS			RUBICON			
iv.	PVC			RESPONSIVE			
v.	FLOOR BOARD			NARBADA			
vi.	WINDOWS			AGF,MACDON			
vii.	LAV. DOORS			TWPL			
viii.	LP SHEET			LP			
ix)	BIO- TOILET			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				
		5440	SECR	GS	15409	08-12-2015				
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
11.2	Wheel & Axle Details:	PP Side				NPP Side				
	i. Bogie No.	151585				151584				
	ii. Frame No.	ASR-885				ASR-889				
	iii. Axle No.	K-4787		J-2842		C-2043		K-4798		
	iv. Wheel Diameter	916.50	916.00	916.00	916.00	917.00	917.00	916.00	916.00	
	v. Wheel Disc No.	16534/230	16535/398	16429/277	16429/235	16440/321	16471/238	16417/322	15399/231	
	vi. R.B. Nos.	U-2773	U2813	S0878	S0721	S0888	S0880	S0884	S0863	
	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-10040,10179		PEW-11680,11760		
	ii.	SECONDARY Shock Absorber Make &NO.				IAI-139903,139940		IAI-139920,140040		
11.4	i.	Modification/ Trail (if any):				NIL				
	ii.	Deviations (if any):				NIL				

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