



रेल डिब्बा कारखाना, कपूरथला  
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;  
Version: 05

1.	SHELL No:	5407	DISPATCH DATE:			29.03.2016	
2.	RAILWAY	WR	Type:	GS	Coach No.:	15458	
3.	Booked to	SSE/C&W/OKHA					
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 )			HEPL			
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 ESCORTS			
ii.	SEAT & BERTH			OVPL			
iii.	WATER TANKS			RAIL FAB			
iv.	PVC			TAYAL			
v.	FLOOR BOARD			RESPONSIVE			
vi.	WINDOWS			AGF, MECIDONE			
vii.	LAV. DOORS			TWPL			
viii.	LP SHEET			PL			
ix)	BIO- TOILET			RAIL FAB			
10.	10.1	Modification/ Trial (if any):			NIL		
	10.2	Deviations (if any):			NIL		



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11.	<b>Bogie Details:</b>	<b>Shell No.</b>	<b>Railway</b>	<b>Type</b>	<b>Coach No.</b>	<b>Dispatch Date</b>				
		5407	WR	GS	15458	19-03-2016				
11.1	<b>BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'</b>									
11.2	<b>Wheel &amp; Axle Details:</b>	<b>PP Side</b>				<b>NPP Side</b>				
	i.	<b>Bogie No.</b>	160300				160301			
	ii.	<b>Frame No.</b>	ASR-104				ASR-114			
	iii.	<b>Axle No.</b>	S-3549		F-5624		A-4616		8094	
	iv.	<b>Wheel Diameter</b>	915.00	915.00	916.00	916.00	916.00	916.00	916.00	916.00
	v.	<b>Wheel Disc No.</b>	03851/268	04225/266	18190/210	18177/329	16765/217	16084/399	18278/396	06353/202
	vi.	<b>R.B. Nos.</b>	Q3284	Q3281	P0728	P0889	P0862	P0780	R0111	R0047
	vii.	<b>R.B. Make</b>	FAG		FAG		FAG		FAG	
	viii.	<b>R.B. Type</b>	Direct Mounted Spherical Roller Bearing							
11.3	<b>Items Traceability:</b>				<b>PP SIDE</b>		<b>NPP SIDE</b>			
	i.	<b>BRAKE CYLINDER Make &amp; NO.</b>			PEW-3090, ESCORTS-13271			PEW-3141,3073		
	ii.	<b>SECONDARY Shock Absorber Make &amp;NO.</b>			GAB-5317,5255			GAB-5244,5320		
11.4	i.	<b>Modification/ Trail (if any):</b>			NIL					
	ii.	<b>Deviations (if any):</b>			NIL					

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ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;  
Version: 05

1.	SHELL No:	5411	DISPATCH DATE:			29.03.2016	
2.	RAILWAY	WR	Type:	GS	Coach No.:	15459	
3.	Booked to	SSE/C&W/OKHA					
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:						
i.	BRAKE EQUIPMENT			Make ESCORTS			
ii.	SEAT & BERTH			OVPL			
iii.	WATER TANKS			RAIL FAB			
iv.	PVC			TAYAL			
v.	FLOOR BOARD			RESPONSIVE			
vi.	WINDOWS			AGF, MECIDONE			
vii.	LAV. DOORS			TWPL			
viii.	LP SHEET			PL			
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			
		5411	WR	GS	15459	18-03-2016			
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'								
11.2	Wheel & Axle Details:	PP Side				NPP Side			
	i. Bogie No.	160296				160297			
	ii. Frame No.	ASR-127				ASR-128			
	iii. Axle No.	07830		8228		07748		Y-6213	
	iv. Wheel Diameter	917.00	917.00	916.00	916.00	916.50	916.00	916.00	916.00
	v. Wheel Disc No.	18251/285	13759/287	18243/285	18141/312	18210/322	16494/276	18071/398	18087/241
	vi. R.B. Nos.	U2569	U2572	P0760	Q3278	S0985	R0197	P0881	P0890
	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-E3428,E3121			PEW-E2665,E2666	
	ii.	SECONDARY Shock Absorber Make &NO.			K/B-5446,5258			K/B-5424,5445	
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:	5416	DISPATCH DATE:			29.03.2016
2.	RAILWAY	WR	Type:	GS	Coach No.:	15460
3.	Booked to	SSE/C&W/OKHA				
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:					
i.	BRAKE EQUIPMENT			Make ESCORTS		
ii.	SEAT & BERTH			OVPL		
iii.	WATER TANKS			AMIT		
iv.	PVC			TAYAL		
v.	FLOOR BOARD			RESPONSIVE		
vi.	WINDOWS			ABC, AGF, MECIDONE		
vii.	LAV. DOORS			TWPL		
viii.	LP SHEET			PL		
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
		5416	WR		GS		15460		17-03-2016
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'								
11.2	Wheel & Axle Details:	PP Side				NPP Side			
	i. Bogie No.	160285				160283			
	ii. Frame No.	ASR-138				ASR-119			
	iii. Axle No.	00471		08240		6710		Y-6652	
	iv. Wheel Diameter	916.00	916.00	916.00	916.00	917.00	917.00	916.00	916.00
	v. Wheel Disc No.	16753/265	14201/207	13663/207	10397/382	10253/220	10382/207	16325/320	16740/283
	vi. R.B. Nos.	R0087	R0086	Q3290	Q3285	P0911	Q3317	Q3267	R0855
	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-E1378,E2526		PEW-E3028,E2477		
	ii.	SECONDARY Shock Absorber Make &NO.			K/B-5365,5448		K/B-5245,5266		
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:	5475	DISPATCH DATE:			23.03.2016
2.	RAILWAY	WR	Type:	GS	Coach No.:	15456
3.	Booked to	SSE/C&W/OKHA				
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 )			HEPL		
ix)	Draw Gear (Make)			RK		
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		GS	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			OVPL		
iii.	WATER TANKS			RAIL FAB		
iv.	PVC			TAYAL		
v.	FLOOR BOARD			RESPONSIVE		
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		
		5475	WR		GS		15456		15-03-2016		
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'										
11.2	Wheel & Axle Details:	PP Side				NPP Side					
	i. Bogie No.	160274				160275					
	ii. Frame No.	UBLS-1853				ASR-101					
	iii. Axle No.	00473		8109		07827		07828			
	iv. Wheel Diameter	916.00	916.00	916.00	916.00	915.00	915.00	916.00	916.00		
	v. Wheel Disc No.	18191/290	18108/277	1835/138	18096/325	18285/391	18322/394	18289/378	16495/272		
	vi. R.B. Nos.	P0824	S0960	Q3321	S-0968	R0117	R0035	R0100	R0046		
	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-2519,2570			PEW-NIL,2552		
	ii.	SECONDARY Shock Absorber Make &NO.				GAB-5451,5261			GAB-5431,5329		
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:	5479	DISPATCH DATE:			23.03.2016
2.	RAILWAY	WR	Type:	GS	Coach No.:	15455
3.	Booked to	SSE/C&W/OKHA				
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		1096/1100	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/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		GS	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			OVPL		
iii.	WATER TANKS			RAIL FAB		
iv.	PVC			TAYAL		
v.	FLOOR BOARD			RESPONSIVE		
vi.	WINDOWS			ABC, 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				
		5479	WR	GS	15455	09-03-2016				
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
11.2	Wheel & Axle Details:	PP Side				NPP Side				
	i. Bogie No.	160256				160220				
	ii. Frame No.	UBLS-1870				UBLS-1899				
	iii. Axle No.	J-8761		K-5704		K-4592		J-3151		
	iv. Wheel Diameter	915.00	915.00	916.00	916.00	915.00	915.00	915.00	915.00	
	v. Wheel Disc No.	49035/ 10177	49370/ 10278	53090/ 11194	52381/ 11085	53645/ 11308	52456/ 11085	49404/ 10315	53451/11 276	
	vi. R.B. Nos.	T0877	T0855	Q0497	Q0456	T0883	T0871	U3129	T0875	
	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-E2388,E2832		PEW-E2873,E1381		
	ii.	SECONDARY Shock Absorber Make &NO.				GAB-5341,5191		GAB-5346,5379		
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:	5480	DISPATCH DATE:			26.03.2016	
2.	RAILWAY	WR	Type:	GS	Coach No.:	15457	
3.	Booked to	SSE/C&W/OKHA					
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 )			HEPL			
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		GS	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			OVPL			
iii.	WATER TANKS			RAIL FAB			
iv.	PVC			TAYAL			
v.	FLOOR BOARD			RESPONSIVE			
vi.	WINDOWS			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.	<b>Bogie Details:</b>	Shell No.	Railway		Type	Coach No.	Dispatch Date			
		5480	WR		GS	15457	05-03-2016			
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
11.2	<b>Wheel &amp; Axle Details:</b>	PP Side					NPP Side			
	i.	Bogie No.	160253					160251		
	ii.	Frame No.	ASR-112					ASR-118		
	iii.	Axle No.	8122		08162		07780		8113	
	iv.	Wheel Diameter	916.50	916.00	916.00	916.00	916.00	916.00	916.00	916.00
	v.	Wheel Disc No.	16243/374	16265/380	09074/294	18177/217	16645/310	13966/383	16271/324	16265/282
	vi.	R.B. Nos.	Q2809	Q2814	P0779	Q2318	Q2832	Q2831	Q2834	Q2816
	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-E2668,E1504			PEW-E2685,E2321	
	ii.	SECONDARY Shock Absorber Make &NO.				GAB-5160,5178			GAB-5334,5332	
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:	<b>6009</b>	DISPATCH DATE:			<b>07.04.2016</b>
2.	RAILWAY	<b>WR</b>	Type:	<b>GS</b>	Coach No.:	<b>15468</b>
3.	Booked to	<b>SSE/C&amp;W/OKHA</b>				
4.	Tare Weight of Coach :	<b>36.99T</b>				
5.	Carrying Capacity :	Seating:	90	Sleeping:	<b>NIL</b>	Luggage: <b>NIL</b>
6.	Shell Details: (SG-90004 alt 'b')					
6.1	Leading Dimensions:					
i)	Maximum height above rail to top of Roof ventilator			4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN only)		
ii)	Maximum length over Body			21337 ± 10		
iii)	Maximum length over Buffer			22297 ± 15		
iv)	Maximum width over Body			3245 ± 5		
v)	Maximum width over Flasher light			3402 +0/-5		
vi)	Minimum height above rail level to the lowest fitting			200 mm		
vii)	Buffer/CBC Height	Specified : 1104 +0 /-10 mm		<b>1104/1104</b>	<b>1104/1104</b>	
viii)	Buffer/CBC (Make )			<b>ATUL</b>		
ix)	Draw Gear (Make)			<b>RK</b>		
7.	Air Brake Testing:					
	Description			Specified		
7.1	Emergency Application	Time for 0 to 3.6 Kg/cm2 of BC		Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type)		
		Brake release time to reach .4 Kg/cm2		Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type)		
7.2	Insensitivity	BP dipped @ 0.30 Kg/cm2 n 60 sec		No brake application		
7.3	Sensitivity	BP dipped @ 0.60 Kg/cm2 in 6 sec		Brakes "ON"		
7.4	Passenger alarm by pulling chain			BP Blasts out, Brakes "ON"		
7.5	Piston stroke for BMBC type coach only			19 +10/-0 mm (NAC)		
8.	PAINTING DEATAILS:					
		TYPE OF PAINT		MAKE	AVERAGE GLOSS VALUE	
8.1	PAINT	PU PAINT		<b>GS</b>	<b>85/86</b>	
8.2	APPLICATION OF PCN-123			<b>SATISFACTORY</b>		
8.3	INSUALTION			<b>SATISFACTORY</b>		
9.	Traceability of Furnishing Items:					
i.	BRAKE EQUIPMENT			Make <b>ESCORTS</b>		
ii.	SEAT & BERTH			<b>OVPL</b>		
iii.	WATER TANKS			<b>RUBICONE</b>		
iv.	PVC			<b>TAYAL</b>		
v.	FLOOR BOARD			<b>RESPONSIVE</b>		
vi.	WINDOWS			<b>ABC,AGF, MECIDONE</b>		
vii.	LAV. DOORS			<b>TWPL</b>		
viii.	LP SHEET			<b>PL</b>		
ix)	BIO- TOILET			<b>ORIENTAL</b>		
10.	10.1	Modification/ Trial (if any):			<b>NIL</b>	
	10.2	Deviations (if any):			<b>NIL</b>	



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11.	<b>Bogie Details:</b>	<b>Shell No.</b>	<b>Railway</b>	<b>Type</b>	<b>Coach No.</b>	<b>Dispatch Date</b>				
		6009	WR	GS	15468	17-03-2016				
11.1	<b>BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'</b>									
11.2	<b>Wheel &amp; Axle Details:</b>	<b>PP Side</b>				<b>NPP Side</b>				
	i.	<b>Bogie No.</b>	160284				160282			
	ii.	<b>Frame No.</b>	ASR-129				ASR-116			
	iii.	<b>Axle No.</b>	Y-7667	174		8112		8097		
	iv.	<b>Wheel Diameter</b>	916.00	916.00	916.50	916.00	915.00	915.00	915.00	915.00
	v.	<b>Wheel Disc No.</b>	18122/ 299	16440/ 393	18167/ 312	18030/ 324	13967/ 295	16432/ 231	18105/ 332	18098/24 2
	vi.	<b>R.B. Nos.</b>	S0681	Q3279	Q3310	Q3304	P0876	R0052	P0833	R0042
	vii.	<b>R.B. Make</b>	FAG		FAG		FAG		FAG	
	viii	<b>R.B. Type</b>	Direct Mounted Spherical Roller Bearing							
11.3	<b>Items Traceability:</b>				<b>PP SIDE</b>		<b>NPP SIDE</b>			
	i.	<b>BRAKE CYLINDER Make &amp; NO.</b>				PEW-E2638,E2617		PEW-E2889,E2591		
	ii.	<b>SECONDARY Shock Absorber Make &amp;NO.</b>				K/B-5449,5447		K/B-5198,5248		
11.4	i.	<b>Modification/ Trail (if any):</b>				NIL				
	ii.	<b>Deviations (if any):</b>				NIL				

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ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;  
Version: 05

1.	SHELL No:	6020	DISPATCH DATE:			07.04.2016
2.	RAILWAY	WR	Type:	GS	Coach No.:	15470
3.	Booked to	SSE/C&W/OKHA				
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 )			HEPL		
ix)	Draw Gear (Make)			RK		
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		GS	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			OVPL		
iii.	WATER TANKS			RUBICONE		
iv.	PVC			TAYAL		
v.	FLOOR BOARD			RESPONSIVE		
vi.	WINDOWS			ABC, MECIDONE		
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				
		6020	WR	GS	15470	21-04-2016				
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
11.2	Wheel & Axle Details:	PP Side				NPP Side				
	i. Bogie No.	160316				160315				
	ii. Frame No.	ASR-173				ASR-132				
	iii. Axle No.	J-3293		A-5050		V-9936		V-9459		
	iv. Wheel Diameter	917.00	916.50	916.00	916.00	917.00	917.00	917.00	917.00	
	v. Wheel Disc No.	18087/215	18087/323	16739/297	12070/250	16358/231	18361/320	18307/297	18263/281	
	vi. R.B. Nos.	U2748	U2750	P0984	P0897	R0221	R0512	R0484	R0529	
	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-2050,1925		AJT-1914,2031		
	ii.	SECONDARY Shock Absorber Make &NO.				ESCORTS-1164,0954		ESCORTS-1091,1003		
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:	<b>6007</b>	DISPATCH DATE:			<b>07.04.2016</b>
2.	RAILWAY	<b>WR</b>	Type:	<b>GS</b>	Coach No.:	<b>15471</b>
3.	Booked to	<b>SSE/C&amp;W/OKHA</b>				
4.	Tare Weight of Coach :	<b>36.99T</b>				
5.	Carrying Capacity :	Seating:	90	Sleeping:	<b>NIL</b>	Luggage: <b>NIL</b>
6.	Shell Details: (SG-90004 alt 'b')					
6.1	Leading Dimensions:					
i)	Maximum height above rail to top of Roof ventilator			4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN only)		
ii)	Maximum length over Body			21337 ± 10		
iii)	Maximum length over Buffer			22297 ± 15		
iv)	Maximum width over Body			3245 ± 5		
v)	Maximum width over Flasher light			3402 +0/-5		
vi)	Minimum height above rail level to the lowest fitting			200 mm		
vii)	Buffer/CBC Height	Specified : 1104 +0 /-10 mm		<b>1104/1104</b>	<b>1104/1104</b>	
viii)	Buffer/CBC (Make )			<b>ATUL</b>		
ix)	Draw Gear (Make)			<b>RK</b>		
7.	Air Brake Testing:					
	Description			Specified		
7.1	Emergency Application	Time for 0 to 3.6 Kg/cm2 of BC		Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type)		
		Brake release time to reach .4 Kg/cm2		Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type)		
7.2	Insensitivity	BP dipped @ 0.30 Kg/cm2 n 60 sec		No brake application		
7.3	Sensitivity	BP dipped @ 0.60 Kg/cm2 in 6 sec		Brakes "ON"		
7.4	Passenger alarm by pulling chain			BP Blasts out, Brakes "ON"		
7.5	Piston stroke for BMBC type coach only			19 +10/-0 mm (NAC)		
8.	PAINTING DEATAILS:					
		TYPE OF PAINT		MAKE	AVERAGE GLOSS VALUE	
8.1	PAINT	PU PAINT		<b>GS</b>	<b>85/86</b>	
8.2	APPLICATION OF PCN-123			<b>SATISFACTORY</b>		
8.3	INSUALTION			<b>SATISFACTORY</b>		
9.	Traceability of Furnishing Items:					
i.	BRAKE EQUIPMENT			Make <b>ESCORTS</b>		
ii.	SEAT & BERTH			<b>OVPL</b>		
iii.	WATER TANKS			<b>RUBICONE</b>		
iv.	PVC			<b>TAYAL</b>		
v.	FLOOR BOARD			<b>RESPONSIVE</b>		
vi.	WINDOWS			<b>ABC,AGF, MECIDONE</b>		
vii.	LAV. DOORS			<b>TWPL</b>		
viii.	LP SHEET			<b>PL</b>		
ix)	BIO- TOILET			<b>ORIENTAL</b>		
10.	10.1	Modification/ Trial (if any):			<b>NIL</b>	
	10.2	Deviations (if any):			<b>NIL</b>	



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11.	<b>Bogie Details:</b>	<b>Shell No.</b>	<b>Railway</b>	<b>Type</b>	<b>Coach No.</b>	<b>Dispatch Date</b>				
		6007	WR	GS	15471	14-03-2016				
11.1	<b>BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'</b>									
11.2	<b>Wheel &amp; Axle Details:</b>	<b>PP Side</b>				<b>NPP Side</b>				
	i.	<b>Bogie No.</b>	160266				160267			
	ii.	<b>Frame No.</b>	ASR-83				ASR-98			
	iii.	<b>Axle No.</b>	176	00250		00240		08224		
	iv.	<b>Wheel Diameter</b>	916.00	916.00	916.00	916.00	916.00	916.00	916.00	
	v.	<b>Wheel Disc No.</b>	18256/ 234	18259/ 278	18248/ 217	16464/ 210	18291/ 247	18121/ 247	18262/ 238 18107/31 9	
	vi.	<b>R.B. Nos.</b>	U2754	U2762	P0935	Q3321	S0955	S0959	Q3338 S0909	
	vii.	<b>R.B. Make</b>	FAG		FAG		FAG		FAG	
	viii	<b>R.B. Type</b>	Direct Mounted Spherical Roller Bearing							
11.3	<b>Items Traceability:</b>				<b>PP SIDE</b>		<b>NPP SIDE</b>			
	i.	<b>BRAKE CYLINDER Make &amp; NO.</b>			PEW-2681,2324		PEW-2508,2321			
	ii.	<b>SECONDARY Shock Absorber Make &amp;NO.</b>			GAB-5264,5201		GAB-5444,5325			
11.4	i.	<b>Modification/ Trail (if any):</b>			NIL					
	ii.	<b>Deviations (if any):</b>			NIL					

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ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;  
Version: 05

1.	SHELL No:	<b>5370</b>	DISPATCH DATE:			<b>22.03.2016</b>
2.	RAILWAY	<b>WR</b>	Type:	<b>GS</b>	Coach No.:	<b>15453</b>
3.	Booked to	<b>SSE/C&amp;W/OKHA</b>				
4.	Tare Weight of Coach :	<b>36.99T</b>				
5.	Carrying Capacity :	Seating:	90	Sleeping:	<b>NIL</b>	Luggage: <b>NIL</b>
6.	Shell Details: (SG-90004 alt 'b')					
6.1	Leading Dimensions:					
i)	Maximum height above rail to top of Roof ventilator			4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN only)		
ii)	Maximum length over Body			21337 ± 10		
iii)	Maximum length over Buffer			22297 ± 15		
iv)	Maximum width over Body			3245 ± 5		
v)	Maximum width over Flasher light			3402 +0/-5		
vi)	Minimum height above rail level to the lowest fitting			200 mm		
vii)	Buffer/CBC Height	Specified : 1104 +0 /-10 mm		<b>1104/1104</b>	<b>1104/1104</b>	
viii)	Buffer/CBC (Make )			<b>ATUL</b>		
ix)	Draw Gear (Make)			<b>EMSON</b>		
7.	Air Brake Testing:					
	Description			Specified		
7.1	Emergency Application	Time for 0 to 3.6 Kg/cm2 of BC		Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type)		
		Brake release time to reach .4 Kg/cm2		Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type)		
7.2	Insensitivity	BP dipped @ 0.30 Kg/cm2 n 60 sec		No brake application		
7.3	Sensitivity	BP dipped @ 0.60 Kg/cm2 in 6 sec		Brakes "ON"		
7.4	Passenger alarm by pulling chain			BP Blasts out, Brakes "ON"		
7.5	Piston stroke for BMBC type coach only			19 +10/-0 mm (NAC)		
8.	PAINTING DEATAILS:					
		TYPE OF PAINT		MAKE	AVERAGE GLOSS VALUE	
8.1	PAINT	PU PAINT		<b>VIBGYOR</b>	<b>86/87</b>	
8.2	APPLICATION OF PCN-123			<b>SATISFACTORY</b>		
8.3	INSUALTION			<b>SATISFACTORY</b>		
9.	Traceability of Furnishing Items:					
i.	BRAKE EQUIPMENT			Make <b>ESCORTS</b>		
ii.	SEAT & BERTH			<b>OVPL</b>		
iii.	WATER TANKS			<b>AMIT, RAIL FAB</b>		
iv.	PVC			<b>TAYAL</b>		
v.	FLOOR BOARD			<b>RESPONSIVE</b>		
vi.	WINDOWS			<b>ABC, AGF, MECIDONE</b>		
vii.	LAV. DOORS			<b>TWPL</b>		
viii.	LP SHEET			<b>PL</b>		
ix)	BIO- TOILET			<b>ORIENTAL</b>		
10.	10.1	Modification/ Trial (if any):			<b>NIL</b>	
	10.2	Deviations (if any):			<b>NIL</b>	



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11.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date				
		5370	WR	GS	15453	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.	151493				151496				
	ii. Frame No.	UBLS-1643				ASR-812				
	iii. Axle No.	J-2615		F-5073		A-5321		A-3899		
	iv. Wheel Diameter	916.00	916.00	916.00	916.00	916.00	916.00	916.00	916.00	
	v. Wheel Disc No.	06965/254	06942/258	06936/211	06941/369	06294/201	06982/274	06979/247	05805/217	
	vi. R.B. Nos.	H0977	H0998	H0797	H0766	H0803	H0809	H0802	H0795	
	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-F0202,F163		PEW-019,101		
	ii.	SECONDARY Shock Absorber Make &NO.				ESCORTS-0299,4874		ESCORTS-8691,9083		
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:	5478	DISPATCH DATE:			21.03.2016
2.	RAILWAY	WR	Type:	GS	Coach No.:	15454
3.	Booked to	SSE/C&W/OKHA				
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 )			HEPL		
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		GS	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			OVPL		
iii.	WATER TANKS			RAIL FAB		
iv.	PVC			TAYAL		
v.	FLOOR BOARD			RESPONSIVE		
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	
		5478	WR		GS		15454		01-03-2016	
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
11.2	Wheel & Axle Details:	PP Side				NPP Side				
	i. Bogie No.	160229				160235				
	ii. Frame No.	ASR-84				ASR-93				
	iii. Axle No.	8089		07781		08173		8091		
	iv. Wheel Diameter	917.00	917.00	916.50	916.00	917.00	917.00	917.00	917.00	
	v. Wheel Disc No.	16640/277	16199/230	16659/248	16117/395	16432/315	16658/235	16419/206	16403/331	
	vi. R.B. Nos.	S1425	S1428	S1140	S1128	Q2817	Q2799	Q2828	Q2675	
	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-1373,1380		PEW-2588,1366			
	ii.	SECONDARY Shock Absorber Make &NO.			GAB-5405,5163		GAB-5208,5204			
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:	6008	DISPATCH DATE:			30.03.2016
2.	RAILWAY	WR	Type:	GS	Coach No.:	15464
3.	Booked to	SSE/C&W/OKHA				
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		1104/1100	1104/1104	
viii)	Buffer/CBC (Make )			ATUL		
ix)	Draw Gear (Make)			RK		
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		GS	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			OVPL		
iii.	WATER TANKS			RAIL FAB		
iv.	PVC			TAYAL		
v.	FLOOR BOARD			RESPONSIVE		
vi.	WINDOWS			ABC, MECIDONE		
vii.	LAV. DOORS			TWPL		
viii.	LP SHEET			NK		
ix)	BIO- TOILET			RAIL FAB		
10.	10.1	Modification/ Trial (if any):			NIL	
	10.2	Deviations (if any):			NIL	



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11.	<b>Bogie Details:</b>	Shell No.	Railway		Type	Coach No.	Dispatch Date			
		6008	WR		GS	15464	22-03-2016			
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
11.2	<b>Wheel &amp; Axle Details:</b>	PP Side				NPP Side				
	i.	Bogie No.	160309				160184			
	ii.	Frame No.	ASR-164				ASR-160			
	iii.	Axle No.	Y-7159		V-1806		H-0148		A-4746	
	iv.	Wheel Diameter	916.00	916.00	916.00	916.00	916.00	916.00	915.00	915.00
	v.	Wheel Disc No.	18282/374	16429/279	13749/388	18192/336	16415/281	16411/331	06977/275	06982/270
	vi.	R.B. Nos.	P0859	P0871	R0062	R0071	Q0722	Q0712	S0937	S0933
	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-1989,1923			AJT-3599,PEW-3551		
	ii.	SECONDARY Shock Absorber Make &NO.			GAB-5318,5353			K/B-02844,03011		
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:	6011	DISPATCH DATE:			31.03.2016
2.	RAILWAY	WR	Type:	GS	Coach No.:	15462
3.	Booked to	SSE/C&W/OKHA				
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	1104/1104	
viii)	Buffer/CBC (Make )			ATUL		
ix)	Draw Gear (Make)			RK		
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		GS	85/85	
8.2	APPLICATION OF PCN-123			SATISFACTORY		
8.3	INSUALTION			SATISFACTORY		
9.	Traceability of Furnishing Items:					
i.	BRAKE EQUIPMENT			Make ESCORTS		
ii.	SEAT & BERTH			OVPL		
iii.	WATER TANKS			RAIL FAB		
iv.	PVC			TAYAL		
v.	FLOOR BOARD			RESPONSIVE		
vi.	WINDOWS			ABC, 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		
		6011	WR		GS		15462		21-03-2016		
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'										
11.2	Wheel & Axle Details:	PP Side				NPP Side					
	i. Bogie No.	160308				160307					
	ii. Frame No.	ASR-156				ASR-147					
	iii. Axle No.	169		A-5205		00245		178			
	iv. Wheel Diameter	916.50	916.00	916.00	916.00	916.00	916.00	916.00	916.00		
	v. Wheel Disc No.	18231/207	12130/269	12192/286	18432/389	18262/218	18247/386	18318/375	11921/386		
	vi. R.B. Nos.	S0988	Q3287	P0873	P0862	S0801	Q3268	S0832	S809		
	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-2602,3167		PEW-3166,3165			
	ii.	SECONDARY Shock Absorber Make &NO.				GAB-5352,5259		GAB-5254,5355			
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:	<b>6012</b>	DISPATCH DATE:			<b>31.03.2016</b>
2.	RAILWAY	<b>WR</b>	Type:	<b>GS</b>	Coach No.:	<b>15463</b>
3.	Booked to	<b>SSE/C&amp;W/OKHA</b>				
4.	Tare Weight of Coach :	<b>36.99T</b>				
5.	Carrying Capacity :	Seating:	90	Sleeping:	<b>NIL</b>	Luggage: <b>NIL</b>
6.	Shell Details: (SG-90004 alt 'b')					
6.1	Leading Dimensions:					
i)	Maximum height above rail to top of Roof ventilator			4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN only)		
ii)	Maximum length over Body			21337 ± 10		
iii)	Maximum length over Buffer			22297 ± 15		
iv)	Maximum width over Body			3245 ± 5		
v)	Maximum width over Flasher light			3402 +0/-5		
vi)	Minimum height above rail level to the lowest fitting			200 mm		
vii)	Buffer/CBC Height	Specified : 1104 +0 /-10 mm		<b>1104/1104</b>	<b>1104/1104</b>	
viii)	Buffer/CBC (Make )			<b>ATUL</b>		
ix)	Draw Gear (Make)			<b>RK</b>		
7.	Air Brake Testing:					
	Description			Specified		
7.1	Emergency Application	Time for 0 to 3.6 Kg/cm2 of BC		Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type)		
		Brake release time to reach .4 Kg/cm2		Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type)		
7.2	Insensitivity	BP dipped @ 0.30 Kg/cm2 n 60 sec		No brake application		
7.3	Sensitivity	BP dipped @ 0.60 Kg/cm2 in 6 sec		Brakes "ON"		
7.4	Passenger alarm by pulling chain			BP Blasts out, Brakes "ON"		
7.5	Piston stroke for BMBC type coach only			19 +10/-0 mm (NAC)		
8.	PAINTING DEATAILS:					
		TYPE OF PAINT		MAKE	AVERAGE GLOSS VALUE	
8.1	PAINT	PU PAINT		<b>GS</b>	<b>86/87</b>	
8.2	APPLICATION OF PCN-123			<b>SATISFACTORY</b>		
8.3	INSUALTION			<b>SATISFACTORY</b>		
9.	Traceability of Furnishing Items:					
i.	BRAKE EQUIPMENT			Make <b>ESCORTS</b>		
ii.	SEAT & BERTH			<b>OVPL</b>		
iii.	WATER TANKS			<b>RAIL FAB</b>		
iv.	PVC			<b>TAYAL</b>		
v.	FLOOR BOARD			<b>RESPONSIVE</b>		
vi.	WINDOWS			<b>ABC, MECIDONE</b>		
vii.	LAV. DOORS			<b>TWPL</b>		
viii.	LP SHEET			<b>NK</b>		
ix)	BIO- TOILET			<b>ORIENTAL</b>		
10.	10.1	Modification/ Trial (if any):			<b>NIL</b>	
	10.2	Deviations (if any):			<b>NIL</b>	



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11.	<b>Bogie Details:</b>	<b>Shell No.</b>	<b>Railway</b>	<b>Type</b>	<b>Coach No.</b>	<b>Dispatch Date</b>				
		6012	WR	GS	15463	22-03-2016				
11.1	<b>BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'</b>									
11.2	<b>Wheel &amp; Axle Details:</b>	<b>PP Side</b>				<b>NPP Side</b>				
	i.	<b>Bogie No.</b>	160310				160279			
	ii.	<b>Frame No.</b>	ASR-158				ASR-109			
	iii.	<b>Axle No.</b>	171	165		8090		8087		
	iv.	<b>Wheel Diameter</b>	916.00	916.00	916.00	916.00	916.50	916.00	917.00	917.00
	v.	<b>Wheel Disc No.</b>	18105/ 238	18141/ 251	14134/ 398	18330/ 338	14190/ 217	14066/ 246	18289/ 267	18287/26 9
	vi.	<b>R.B. Nos.</b>	S0962	S0978	R0108	R0067	S0825	Q3276	S0956	Q3273
	vii.	<b>R.B. Make</b>	FAG		FAG		FAG		FAG	
	viii	<b>R.B. Type</b>	Direct Mounted Spherical Roller Bearing							
11.3	<b>Items Traceability:</b>				<b>PP SIDE</b>		<b>NPP SIDE</b>			
	i.	<b>BRAKE CYLINDER Make &amp; NO.</b>				PEW-E2330,E2596		PEW-E2642,E2594		
	ii.	<b>SECONDARY Shock Absorber Make &amp;NO.</b>				GAB-5279,5349		GAB-5304,5328		
11.4	i.	<b>Modification/ Trail (if any):</b>				NIL				
	ii.	<b>Deviations (if any):</b>				NIL				

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ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;  
Version: 05

1.	SHELL No:	6014	DISPATCH DATE:			30.03.2016
2.	RAILWAY	WR	Type:	GS	Coach No.:	15461
3.	Booked to	SSE/C&W/OKHA				
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)			RK		
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		GS	86/86	
8.2	APPLICATION OF PCN-123			SATISFACTORY		
8.3	INSUALTION			SATISFACTORY		
9.	Traceability of Furnishing Items:					
i.	BRAKE EQUIPMENT			Make ESCORTS		
ii.	SEAT & BERTH			OVPL		
iii.	WATER TANKS			RAIL FAB		
iv.	PVC			TAYAL		
v.	FLOOR BOARD			RESPONSIVE		
vi.	WINDOWS			ABC, 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.	<b>Bogie Details:</b>	<b>Shell No.</b>	<b>Railway</b>	<b>Type</b>	<b>Coach No.</b>	<b>Dispatch Date</b>				
		6014	WR	GS	15461	18-03-2016				
11.1	<b>BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'</b>									
11.2	<b>Wheel &amp; Axle Details:</b>	<b>PP Side</b>				<b>NPP Side</b>				
	i.	<b>Bogie No.</b>	160288				160287			
	ii.	<b>Frame No.</b>	ASR-144				ASR-137			
	iii.	<b>Axle No.</b>	167	07740		J-2764		08227		
	iv.	<b>Wheel Diameter</b>	916.50	916.00	916.00	916.00	916.50	916.00	916.00	916.00
	v.	<b>Wheel Disc No.</b>	18220/ 286	18255/ 210	16242/ 354	18108/ 242	18074/ 310	18075/ 245	13262/ 235	13246/20 6
	vi.	<b>R.B. Nos.</b>	Q3309	Q3330	P0916	P0904	Q3305	Q3298	Q3293	Q3277
	vii.	<b>R.B. Make</b>	FAG		FAG		FAG		FAG	
	viii	<b>R.B. Type</b>	Direct Mounted Spherical Roller Bearing							
11.3	<b>Items Traceability:</b>				<b>PP SIDE</b>			<b>NPP SIDE</b>		
	i.	<b>BRAKE CYLINDER Make &amp; NO.</b>			PEW-3037,3152			PEW-3088,3126		
	ii.	<b>SECONDARY Shock Absorber Make &amp;NO.</b>			K/B-02842,06688			K/B-02950,06346		
11.4	i.	<b>Modification/ Trail (if any):</b>			NIL					
	ii.	<b>Deviations (if any):</b>			NIL					

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ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;  
Version: 05

1.	SHELL No:	6018	DISPATCH DATE:			31.03.2016
2.	RAILWAY	WR	Type:	GS	Coach No.:	15466
3.	Booked to	SSE/C&W/OKHA				
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)			RK		
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		GS	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			RAIL FAB		
iv.	PVC			TAYAL		
v.	FLOOR BOARD			RESPONSIVE		
vi.	WINDOWS			ABC, MECIDONE		
vii.	LAV. DOORS			TWPL		
viii.	LP SHEET			NK		
ix)	BIO- TOILET			RAIL TECH		
10.	10.1	Modification/ Trial (if any):			NIL	
	10.2	Deviations (if any):			NIL	



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11.	<b>Bogie Details:</b>	Shell No.	Railway		Type	Coach No.	Dispatch Date			
		6018	WR		GS	15466	26-03-2016			
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
11.2	<b>Wheel &amp; Axle Details:</b>	PP Side					NPP Side			
	i.	Bogie No.	160317					160318		
	ii.	Frame No.	ASR-153					ASR-165		
	iii.	Axle No.	V-1489		A-5562		8108		179	
	iv.	Wheel Diameter	916.00	916.00	916.00	916.00	917.00	917.00	916.50	916.50
	v.	Wheel Disc No.	18075/238	18101/392	12175/385	18071/394	18262/207	18208/243	18165/287	18217/268
	vi.	R.B. Nos.	P0893	P0899	R347	R0330	U2758	U2738	Q3254	Q3307
	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-2212,2149		AJT-2102,1958		
	ii.	SECONDARY Shock Absorber Make &NO.				GAB-5247,5354		GAB-5350,5351		
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:	6002	DISPATCH DATE:			02.04.2016
2.	RAILWAY	WR	Type:	GS	Coach No.:	15469
3.	Booked to	SSE/C&W/OKHA				
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,HEPL			
	ix)	Draw Gear (Make)	RK			
7.	Air Brake Testing:					
		Description	Specified			
	7.1	Emergency Application	Time for 0 to 3.6 Kg/cm <sup>2</sup> of BC	Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type)		
			Brake release time to reach .4 Kg/cm <sup>2</sup>	Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type)		
	7.2	Insensitivity	BP dipped @ 0.30 Kg/cm <sup>2</sup> n 60 sec	No brake application		
	7.3	Sensitivity	BP dipped @ 0.60 Kg/cm <sup>2</sup> in 6 sec	Brakes "ON"		
	7.4	Passenger alarm by pulling chain	BP Blasts out, Brakes "ON"			
	7.5	Piston stroke for BMBC type coach only	19 +10/-0 mm (NAC)			
8.	PAINTING DEATAILS:					
			TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE	
	8.1	PAINT	PU PAINT	GS	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				OVPL
	ii	WATER TANKS				RAIL FAB
	iv	PVC				TAYAL
	v	FLOOR BOARD				RESPONSIVE
	vi.	WINDOWS				ABC, MECIDONE
	vii.	LAV. DOORS				TWPL
	viii.	LP SHEET				NK
	ix)	BIO- TOILET				AMIT
10.	10.1	Modification/ Trial (if any):				NIL

10.2	Deviations (if any):	NIL
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11.	<b>Bogie Details:</b>	<b>Shell No.</b>	<b>Railway</b>	<b>Type</b>	<b>Coach No.</b>	<b>Dispatch Date</b>			
		6002	WR	GS	15469	05-03-2016			
11.1	<b>BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'</b>								
11.2	<b>Wheel &amp; Axle Details:</b>	<b>PP Side</b>			<b>NPP Side</b>				
	i. Bogie No.	160247			160246				
	ii. Frame No.	ASR-94			UBLS-1845				
	iii. Axle No.	08732	U-9744		8107	8114			
	iv. Wheel Diameter	917.00	917.00	916.50	916.00	916.50	916.50	916.50	916.00
	v. Wheel Disc No.	16714/30 5	16755/38 1	16303/3 90	16767/24 4	16244/23 2	16703/20 7	16334/32 7	16207/311
	vi. R.B. Nos.	S1449	S1435	Q0804	Q0807	S1081	S1050	S1054	S1045
	vii. R.B. Make	FAG		FAG		FAG		FAG	
	viii. R.B. Type	Direct Mounted Spherical Roller Bearing							
11.3	<b>Items Traceability:</b>				<b>PP SIDE</b>		<b>NPP SIDE</b>		
	i. BRAKE CYLINDER Make & NO.				PEW-2647,2659		PEW-2567,2652		
	ii. SECONDARY Shock Absorber Make & NO.				GAB-5335,5309		GAB-5338,5336		
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:	<b>6022</b>	DISPATCH DATE:			<b>31.03.2016</b>
2.	RAILWAY	<b>WR</b>	Type:	<b>GS</b>	Coach No.:	<b>15465</b>
3.	Booked to	<b>SSE/C&amp;W/OKHA</b>				
4.	Tare Weight of Coach :	<b>36.99T</b>				
5.	Carrying Capacity :	Seating:	90	Sleeping:	<b>NIL</b>	Luggage: <b>NIL</b>
6.	Shell Details: (SG-90004 alt 'b')					
	6.1	Leading Dimensions;				
	i)	Maximum height above rail to top of Roof ventilator	4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN only)			
	ii)	Maximum length over Body	21337 ± 10			
	iii)	Maximum length over Buffer	22297 ± 15			
	iv)	Maximum width over Body	3245 ± 5			
	v)	Maximum width over Flasher light	3402 +0/-5			
	vi)	Minimum height above rail level to the lowest fitting	200 mm			
	vii)	Buffer/CBC Height	Specified : 1104 +0 /-10 mm	<b>1104/1104</b>		<b>1104/1104</b>
	viii)	Buffer/CBC (Make )				<b>HEPL</b>
	ix)	Draw Gear (Make)				<b>RK</b>
7.	Air Brake Testing:					
		Description		Specified		
	7.1	Emergency Application	Time for 0 to 3.6 Kg/cm2 of BC	Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type)		
			Brake release time to reach .4 Kg/cm2	Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type)		
	7.2	Insensitivity	BP dipped @ 0.30 Kg/cm2 n 60 sec	No brake application		
	7.3	Sensitivity	BP dipped @ 0.60 Kg/cm2 in 6 sec	Brakes "ON"		
	7.4	Passenger alarm by pulling chain	BP Blasts out, Brakes "ON"			
	7.5	Piston stroke for BMBC type coach only	19 +10/-0 mm (NAC)			
8.	PAINTING DEATAILS:					
			TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE	
	8.1	PAINT	PU PAINT	<b>GS</b>	<b>85/86</b>	
	8.2	APPLICATION OF PCN-123	<b>SATISFACTORY</b>			
	8.3	INSUALTION	<b>SATISFACTORY</b>			
9.	Traceability of Furnishing Items:					
	i.	BRAKE EQUIPMENT				Make <b>ESCORTS</b>
	ii.	SEAT & BERTH				<b>OVPL</b>
	iii.	WATER TANKS				<b>RAIL FAB</b>
	iv.	PVC				<b>TAYAL</b>
	v.	FLOOR BOARD				<b>RESPONSIVE</b>
	vi.	WINDOWS				<b>ABC, MECIDONE</b>
	vii.	LAV. DOORS				<b>TWPL</b>
	viii.	LP SHEET				<b>NK</b>
	ix)	BIO- TOILET				<b>RAIL TECH</b>
10.	10.1	Modification/ Trial (if any):				<b>NIL</b>

10.2	Deviations (if any):	NIL
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11.	<b>Bogie Details:</b>	<b>Shell No.</b>	<b>Railway</b>	<b>Type</b>	<b>Coach No.</b>	<b>Dispatch Date</b>					
		6022	WR	GS	15465	26-03-2016					
11.1	<b>BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'</b>										
11.2	<b>Wheel &amp; Axle Details:</b>	<b>PP Side</b>				<b>NPP Side</b>					
	i.	<b>Bogie No.</b>		160320		160319					
	ii.	<b>Frame No.</b>		ASR-149		ASR-145					
	iii.	<b>Axle No.</b>		6713		A-4851		A-4938		A-4879	
	iv.	<b>Wheel Diameter</b>		918.00	918.00	916.00	916.00	917.00	917.00	916.00	916.00
	v.	<b>Wheel Disc No.</b>		18073/32 5	16654/22 3	16445/2 14	16718/32 7	16522/23 0	16657/21 8	18084/24 3	18101/328
	vi.	<b>R.B. Nos.</b>		Q3260	Q3251	R0094	R356	R364	R0708	R0378	R0228
	vii.	<b>R.B. Make</b>		FAG		FAG		FAG		FAG	
	viii.	<b>R.B. Type</b>		Direct Mounted Spherical Roller Bearing							
11.3	<b>Items Traceability:</b>				<b>PP SIDE</b>			<b>NPP SIDE</b>			
	i.	<b>BRAKE CYLINDER Make &amp; NO.</b>				AJT-2609,3159			AJT-3162,2690		
	ii.	<b>SECONDARY Shock Absorber Make &amp;NO.</b>				ESCORTS-1447,1458			ESCORTS-1092,1077		
11.4	i.	<b>Modification/ Trail (if any):</b>				NIL					
	ii.	<b>Deviations (if any):</b>				NIL					



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ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;  
Version: 05

1.	SHELL No:	<b>6023</b>	DISPATCH DATE:			<b>31.3.2016</b>	
2.	RAILWAY	<b>WR</b>	Type:	<b>GS</b>	Coach No.:	<b>15467</b>	
3.	Booked to	<b>SSE/C&amp;W/OKHA</b>					
4.	Tare Weight of Coach :	<b>36.99T</b>					
5.	Carrying Capacity :	Seating:	90	Sleeping:	<b>NIL</b>	Luggage:	<b>NIL</b>
6.	Shell Details: (SG-90004 alt 'b')						
	6.1	Leading Dimensions;					
	i)	Maximum height above rail to top of Roof ventilator	4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN only)				
	ii)	Maximum length over Body	21337 ± 10				
	iii)	Maximum length over Buffer	22297 ± 15				
	iv)	Maximum width over Body	3245 ± 5				
	v)	Maximum width over Flasher light	3402 +0/-5				
	vi)	Minimum height above rail level to the lowest fitting	200 mm				
	vii)	Buffer/CBC Height	Specified : 1104 +0 /-10 mm	<b>1104/1104</b>		<b>1104/1104</b>	
	viii)	Buffer/CBC (Make )	<b>HEPL</b>				
	ix)	Draw Gear (Make)	<b>RK</b>				
7.	Air Brake Testing:						
		Description	Specified				
	7.1	Emergency Application	Time for 0 to 3.6 Kg/cm2 of BC	Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type)			
			Brake release time to reach .4 Kg/cm2	Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type)			
	7.2	Insensitivity	BP dipped @ 0.30 Kg/cm2 n 60 sec	No brake application			
	7.3	Sensitivity	BP dipped @ 0.60 Kg/cm2 in 6 sec	Brakes "ON"			
	7.4	Passenger alarm by pulling chain	BP Blasts out, Brakes "ON"				
	7.5	Piston stroke for BMBC type coach only	19 +10/-0 mm (NAC)				
8.	PAINTING DEATAILS:						
			TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE		
	8.1	PAINT	PU PAINT	<b>GS</b>	<b>85/86</b>		
	8.2	APPLICATION OF PCN-123	<b>SATISFACTORY</b>				
	8.3	INSUALTION	<b>SATISFACTORY</b>				
9.	Traceability of Furnishing Items:						
	i.	BRAKE EQUIPMENT	Make <b>ESCORTS</b>				
	ii.	SEAT & BERTH	<b>OVPL</b>				
	iii.	WATER TANKS	<b>RAIL FAB</b>				
	iv.	PVC	<b>TAYAL</b>				
	v.	FLOOR BOARD	<b>RESPONSIVE</b>				
	vi.	WINDOWS	<b>ABC, MECIDONE</b>				
	vii.	LAV. DOORS	<b>TWPL</b>				
	viii.	LP SHEET	<b>LP</b>				
	ix)	BIO- TOILET	<b>RAIL FAB</b>				
10.	10.1	Modification/ Trial (if any):	<b>NIL</b>				

10.2	Deviations (if any):	NIL
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11.	<b>Bogie Details:</b>	<b>Shell No.</b>	<b>Railway</b>	<b>Type</b>	<b>Coach No.</b>	<b>Dispatch Date</b>			
		6023	WR	GS	15467	21-03-2016			
11.1	<b>BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'</b>								
11.2	<b>Wheel &amp; Axle Details:</b>	<b>PP Side</b>			<b>NPP Side</b>				
	i. Bogie No.	160305			160306				
	ii. Frame No.	ASR-80			ASR-954				
	iii. Axle No.	A-4316		08250	V-9113		175		
	iv. Wheel Diameter	918.00	918.00	916.50	916.00	916.00	916.00	916.00	
	v. Wheel Disc No.	18280/20 6	06954/22 5	16437/3 93	16676/38 1	14182/20 5	15183/31 5	18121/24 9	18137/318
	vi. R.B. Nos.	S0935	R0080	S0802	Q3271	S0826	Q3275	S0820	S0827
	vii. R.B. Make	FAG		FAG	FAG		FAG		
	viii. R.B. Type	Direct Mounted Spherical Roller Bearing							
11.3	<b>Items Traceability:</b>				<b>PP SIDE</b>		<b>NPP SIDE</b>		
	i. BRAKE CYLINDER Make & NO.				PEW-E3078,E3086		PEW-E3161,E3092		
	ii. SECONDARY Shock Absorber Make &NO.				GAB-5323,5258		GAB-5316,5369		
11.4	i. Modification/ Trail (if any):				NIL				
	ii. Deviations (if any):				NIL				

