



ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;
Version: 05

1.	SHELL No:	5183	DISPATCH DATE:			16.5.2016	
2.	RAILWAY	ER	Type:	WGACCN	Coach No.:	16104	
3.	Booked to	SSE/C&W/HWH					
4.	Tare Weight of Coach :	52.53 T					
5.	Carrying Capacity :	Seating:	64	Sleeping:	64	Luggage:	NIL
6.	Shell Details: (SG-90004 alt 'b')						
6.1	Leading Dimensions;						
i)	Maximum height above rail to top of Roof ventilator						
ii)	Maximum length over Body						
iii)	Maximum length over Buffer						
iv)	Maximum width over Body						
v)	Maximum width over Flasher light						
vi)	Minimum height above rail level to the lowest fitting						
vii)	Buffer/CBC Height	Specified : 1104 +0 /-10 mm	1102/1102	1100/1100			
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		GS	85/86			
8.2	APPLICATION OF PCN-123						
8.3	INSUALTION						
9.	Traceability of Furnishing Items:					Make	
i.	BRAKE EQUIPMENT					ESCORT	
ii.	SEAT & BERTH					SAVITRY	
iii.	WATER TANKS					SHIVALIK,RAIL TECH	
iv.	PVC					POLYMER	
v.	FLOOR BOARD					NARBADA	
vi.	UIC VESTIBULE					KRP	
vii.	LAV. DOORS					AM INDUSTRY	
viii.	LP SHEET					PL	
ix)	BIO- TOILET					ORIENTAL	
10.	10.1	Modification/ Trial (if any):					
	10.2	Deviations (if any):					



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11.	Bogie Details:	Shell No.	Railway		Type		Coach No.		Dispatch Date		
		5183	ER		WGACCN		16104		08-04-2016		
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'										
11.2	Wheel & Axle Details:	PP Side				NPP Side					
	i.	Bogie No.	163042				163041				
	ii.	Frame No.	UBLS-5125				UBLS-5118				
	iii.	Axle No.	A-4260		Y-6767		U-9519		A-4999		
	iv.	Wheel Diameter	916.00	916.00	916.50	916.00	916.50	916.00	916.50	916.00	
	v.	Wheel Disc No.	18188/329	16739/274	14099/229	16738/203	18269/232	18093/240	18491/391	16465/230	
	vi.	R.B. Nos.	R0631	R0625	P0147	P0175	R0280	P1033	R0619	R0618	
	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-2191,2864			AJT-2155,2148		
	ii.	SECONDARY Shock Absorber Make &NO.				ESCORTS-1452,1491			ESCORTS-0977,1477		
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:	5175	DISPATCH DATE:			21.5.2016		
2.	RAILWAY	ER	Type:	WGACCN	Coach No.:	16116		
3.	Booked to		SSE/C&W/HWH					
4.	Tare Weight of Coach :		52.53 T					
5.	Carrying Capacity :		Seating:	64	Sleeping:	64	Luggage:	NIL
6.	Shell Details: (SG-90004 alt 'b')							
6.1	Leading Dimensions;							
i)	Maximum height above rail to top of Roof ventilator							
ii)	Maximum length over Body							
iii)	Maximum length over Buffer							
iv)	Maximum width over Body							
v)	Maximum width over Flasher light							
vi)	Minimum height above rail level to the lowest fitting							
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			VIB	85/86			
8.2	APPLICATION OF PCN-123							
8.3	INSUALTION							
9.	Traceability of Furnishing Items:				Make			
i.	BRAKE EQUIPMENT			ESCORT				
ii.	SEAT & BERTH			SAVITRY				
iii.	WATER TANKS			SHIVALIK,RAIL TECH				
iv.	PVC			POLYMER				
v.	FLOOR BOARD			NARBADA				
vi.	UIC VESTIBULE			KRP				
vii.	LAV. DOORS			TWPL				
viii.	LP SHEET			PL				
ix)	BIO- TOILET			ORIENTAL				
10	10.1	Modification/ Trial (if any):						
.	10.2	Deviations (if any):						



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11.	Bogie Details:	Shell No.		Railway		Type		Coach No.		Dispatch Date	
		5175		ER		WGACCN		16116		07-04-2016	
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'										
11.2	Wheel & Axle Details:		PP Side				NPP Side				
	i.	Bogie No.	163039				163040				
	ii.	Frame No.	UBLS-5018				UBLS-5039				
	iii.	Axle No.	K-7854		RWF-98516		W-2504		A-4414		
	iv.	Wheel Diameter	916.50	916.50	917.00	917.00	917.00	917.00	916.50	916.00	
	v.	Wheel Disc No.	18322/ 253	16210/ 241	18329/ 319	18394/ 394	18398/ 214	18399/ 389	16435/ 290	18208/33 4	
	vi.	R.B. Nos.	R0390	R0652	P0187	P0168	P0985	P0208	R0636	R0379	
	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-2097,2022			AJT-2118,2004		
	ii.	SECONDARY Shock Absorber Make &NO.				ESCORTS-1227,1193			ESCORTS-1478,1138		
11.4	i.	Modification/ Trail (if any):				NIL					
	ii.	Deviations (if any):				NIL					

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QMF4254;
Version: 05

1.	SHELL No:	5188	DISPATCH DATE:			23.5.2016	
2.	RAILWAY	ER	Type:	WGACCN	Coach No.:	16113	
3.	Booked to	SSE/C&W/HWH					
4.	Tare Weight of Coach :	52.53 T					
5.	Carrying Capacity :	Seating:	64	Sleeping:	64	Luggage:	NIL
6.	Shell Details: (SG-90004 alt 'b')						
6.1	Leading Dimensions;						
i)	Maximum height above rail to top of Roof ventilator						
ii)	Maximum length over Body						
iii)	Maximum length over Buffer						
iv)	Maximum width over Body						
v)	Maximum width over Flasher light						
vi)	Minimum height above rail level to the lowest fitting						
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			GS	85/86		
8.2	APPLICATION OF PCN-123						
8.3	INSUALTION						
9.	Traceability of Furnishing Items:			Make			
i.	BRAKE EQUIPMENT			ESCORT			
ii.	SEAT & BERTH			SAVITRY			
iii.	WATER TANKS			SHIVALIK,RAIL TECH			
iv.	PVC			RESPONSIVE			
v.	FLOOR BOARD			NARBADA			
vi.	UIC VESTIBULE			KRP			
vii.	LAV. DOORS			AM IONDUSTRIES			
viii.	LP SHEET			PL			
ix)	BIO- TOILET			ORIENTAL			
10	10.1	Modification/ Trial (if any):					
.	10.2	Deviations (if any):					



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11.	Bogie Details:	Shell No.	Railway		Type	Coach No.	Dispatch Date			
		5188	ER		WGACCN	16113	23-04-2016			
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
11.2	Wheel & Axle Details:	PP Side				NPP Side				
	i. Bogie No.	163055				163056				
	ii. Frame No.	UBLS-5027				UBLS-5008				
	iii. Axle No.	RWF-98337		V-9071		Y-6039		Y-6466		
	iv. Wheel Diameter	917.00	917.00	917.00	917.00	917.00	917.00	917.00	917.00	
	v. Wheel Disc No.	18286/336	18263/331	18340/313	18406/334	18080/245	18265/337	16613/301	16590/224	
	vi. R.B. Nos.	P0939	P0761	P0936	P0762	P0737	R0472	X0090	X0171	
	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.			ASSOCIATE-634,742			AJT-2106,2044		
	ii.	SECONDARY Shock Absorber Make &NO.			ESCORTS-1150,1365			ESCORTS-1456,1033		
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:	5190	DISPATCH DATE:			23.5.2016
2.	RAILWAY	ER	Type:	WGACCN	Coach No.:	16112
3.	Booked to	SSE/C&W/HWH				
4.	Tare Weight of Coach :	52.53 T				
5.	Carrying Capacity :	Seating:	64	Sleeping:	64	Luggage: NIL
6.	Shell Details: (SG-90004 alt 'b')					
6.1	Leading Dimensions;					
i)	Maximum height above rail to top of Roof ventilator					
ii)	Maximum length over Body					
iii)	Maximum length over Buffer					
iv)	Maximum width over Body					
v)	Maximum width over Flasher light					
vi)	Minimum height above rail level to the lowest fitting					
vii)	Buffer/CBC Height	Specified : 1104 +0 /-10 mm	1096/1100	1104/1100		
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			GS	85/86	
8.2	APPLICATION OF PCN-123					
8.3	INSUALTION					
9.	Traceability of Furnishing Items:			Make		
i.	BRAKE EQUIPMENT			ESCORT		
ii.	SEAT & BERTH			SAVITRY		
iii.	WATER TANKS			SHIVALIK,RAIL TECH		
iv.	PVC			RESPONSIVE		
v.	FLOOR BOARD			TAYAL		
vi.	UIC VESTIBULE			KRP		
vii.	LAV. DOORS			AM INDUSTRIES		
viii.	LP SHEET			PL		
ix)	BIO- TOILET			RAIL TECH		
10	10.1	Modification/ Trial (if any):				
.	10.2	Deviations (if any):				



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12.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date			
		5190	ER	WGACCN	15107	07-02-2015			
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'								
12.2	Wheel & Axle Details:	PP Side				NPP Side			
	i. Bogie No.	153057				153058			
	ii. Frame No.	UBLS-4499				UBLS-4501			
	iii. Axle No.	A-4064		V-9476		9680		9458	
	iv. Wheel Diameter	916.00	916.00	916.00	916.00	916.00	916.00	916.50	916.00
	v. Wheel Disc No.	07217/386	07258/228	06851/285	09138/248	08942/239	08942/252	06940/224	09136/256
	vi. R.B. Nos.	M-0619	K2330	M0623	M0618	M-0645	M-0647	M0794	M-0804
	vii. R.B. Make	NBC		NBC		NBC		NBC	
	viii. R.B. Type	Direct Mounted Spherical Roller Bearing							
12.3	<u>Items Traceability:</u>								
	i.	BRAKE CYLINDER (Make)				AJT			
	ii.	SECONDARY Shock Absorber (Make)				KNORR BREMSE			
12.4	i.	Modification/ Trail (if any):				NIL			
	ii.	Deviations (if any):				NIL			

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Form No. :

QMF4254;
Version: 05

1.	SHELL No:	5189	DISPATCH DATE:			25.5.2016	
2.	RAILWAY	ER	Type:	WGACCN	Coach No.:	16115	
3.	Booked to	SSE/C&W/HWH					
4.	Tare Weight of Coach :	52.53 T					
5.	Carrying Capacity :	Seating:	64	Sleeping:	64	Luggage:	NIL
6.	Shell Details: (SG-90004 alt 'b')						
6.1	Leading Dimensions;						
i)	Maximum height above rail to top of Roof ventilator						
ii)	Maximum length over Body						
iii)	Maximum length over Buffer						
iv)	Maximum width over Body						
v)	Maximum width over Flasher light						
vi)	Minimum height above rail level to the lowest fitting						
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		GS	85/86			
8.2	APPLICATION OF PCN-123						
8.3	INSUALTION						
9.	Traceability of Furnishing Items:			Make			
i.	BRAKE EQUIPMENT			FAVELLY			
ii.	SEAT & BERTH			RCF MADE			
iii.	WATER TANKS			SHIVALIK,RAIL TECH,RAIL FAB			
iv.	PVC			RESPONSIVE/POLYMER			
v.	FLOOR BOARD			TAYAL			
vi.	UIC VESTIBULE			KRP			
vii.	LAV. DOORS			AM INDUSTRIES			
viii.	LP SHEET			PL			
ix)	BIO- TOILET			ORIENTAL			
10	10.1	Modification/ Trial (if any):					
.	10.2	Deviations (if any):					



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11.	Bogie Details:	Shell No.	Railway		Type	Coach No.	Dispatch Date				
		5189	ER		WGACCN	16115	20-04-2016				
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'										
11.2	Wheel & Axle Details:	PP Side				NPP Side					
	i.	Bogie No.	163051				163052				
	ii.	Frame No.	UBLS-5047				UBLS-5044				
	iii.	Axle No.	RWF-98741		A-4035		6699		A-3674		
	iv.	Wheel Diameter	918.00	918.00	916.00	916.00	918.00	918.00	917.50	917.00	
	v.	Wheel Disc No.	18083/324	18319/234	16760/230	18190/265	18104/254	18242/222	18403/278	18387/334	
	vi.	R.B. Nos.	R0009	R0018	P0766	P0875	R0306	R0293	R332	P0758	
	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-2024,2057		AJT-1987,2056			
	ii.	SECONDARY Shock Absorber Make &NO.				ESCORTS-1503,1562		ESCORTS-1039,0873			
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:	5171	DISPATCH DATE:			26.5.2016	
2.	RAILWAY	ER	Type:	WGACCN	Coach No.:	16119	
3.	Booked to	SSE/C&W/HWH					
4.	Tare Weight of Coach :	52.53 T					
5.	Carrying Capacity :	Seating:	64	Sleeping:	64	Luggage:	NIL
6.	Shell Details: (SG-90004 alt 'b')						
6.1	Leading Dimensions;						
i)	Maximum height above rail to top of Roof ventilator						
ii)	Maximum length over Body						
iii)	Maximum length over Buffer						
iv)	Maximum width over Body						
v)	Maximum width over Flasher light						
vi)	Minimum height above rail level to the lowest fitting						
vii)	Buffer/CBC Height	Specified : 1104 +0 /-10 mm	1104/1104	1100/1096			
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		GS	87/86			
8.2	APPLICATION OF PCN-123						
8.3	INSUALTION						
9.	Traceability of Furnishing Items:					Make	
i.	BRAKE EQUIPMENT					ESCORT	
ii.	SEAT & BERTH					RCF MADE	
iii.	WATER TANKS					SHIVALIK,RAIL TECH,	
iv.	PVC					RESPONSIVE	
v.	FLOOR BOARD					NARBADA	
vi.	UIC VESTIBULE					KRP	
vii.	LAV. DOORS					AM INDUSTRIES	
viii.	LP SHEET					PL	
ix)	BIO- TOILET					ORIENTAL	
10.	10.1	Modification/ Trial (if any):					
	10.2	Deviations (if any):					



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11.	Bogie Details:	Shell No.	Railway		Type		Coach No.		Dispatch Date		
		5171	ER		WGACCN		16119		02-04-2016		
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'										
11.2	Wheel & Axle Details:		PP Side				NPP Side				
	i.	Bogie No.	163035				163034				
	ii.	Frame No.	UBLS-4984				UBLS-5045				
	iii.	Axle No.	K-7505		A-5118		H-0154		A-5075		
	iv.	Wheel Diameter	915.00	915.00	916.00	916.00	916.00	916.00	916.00	916.00	
	v.	Wheel Disc No.	49556/ 10345	53140/ 11227	53068/ 11194	53164/ 11227	49317/ 10278	53109/ 11227	53136/ 11227	59265/10 278	
	vi.	R.B. Nos.	T0764	T0203	R0041	R0057	Q0361	Q0350	P0769	P0879	
	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-2114,1922			AJT-2117,2002		
	ii.	SECONDARY Shock Absorber Make &NO.				ESCORTS-1096,1555			ESCORTS-1237,1227		
11.4	i.	Modification/ Trail (if any):				NIL					
	ii.	Deviations (if any):				NIL					

WGACCN 5171



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Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;
Version: 05

1.	SHELL No:	5187	DISPATCH DATE:			28.5.2016	
2.	RAILWAY	ER	Type:	WGACCN	Coach No.:	16114	
3.	Booked to	SSE/C&W/HWH					
4.	Tare Weight of Coach :	52.53 T					
5.	Carrying Capacity :	Seating:	64	Sleeping:	64	Luggage:	NIL
6.	Shell Details: (SG-90004 alt 'b')						
6.1	Leading Dimensions;						
i)	Maximum height above rail to top of Roof ventilator						
ii)	Maximum length over Body						
iii)	Maximum length over Buffer						
iv)	Maximum width over Body						
v)	Maximum width over Flasher light						
vi)	Minimum height above rail level to the lowest fitting						
vii)	Buffer/CBC Height	Specified : 1104 +0 /-10 mm	1104/1104	11041104			
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		GS	85/86			
8.2	APPLICATION OF PCN-123						
8.3	INSUALTION						
9.	Traceability of Furnishing Items:			Make			
i.	BRAKE EQUIPMENT			ESCORT			
ii.	SEAT & BERTH			SAVITRY			
iii.	WATER TANKS			SHIVALIK,RAIL TECH,RUBICON			
iv.	PVC			RESPONSIVE/POLYMER			
v.	FLOOR BOARD			NARBADA			
vi.	UIC VESTIBULE			KRP			
vii.	LAV. DOORS			TWPL			
viii.	LP SHEET			NK			
ix)	BIO- TOILET			RAIL TECH			
10	10.1	Modification/ Trial (if any):					
.	10.2	Deviations (if any):					



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11.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date				
		5187	ER	WGACCN	16114	26-04-2016				
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
11.2	Wheel & Axle Details:	PP Side				NPP Side				
	i.	Bogie No.	163059				163067			
	ii.	Frame No.	UBLS-5119				UBLS-4976			
	iii.	Axle No.	RWF-98200		Y-7052		Y-5942		W-2526	
	iv.	Wheel Diameter	917.00	917.00	917.00	917.00	917.50	917.00	917.00	917.00
	v.	Wheel Disc No.	16658/277	18268/265	18333/386	16638/290	16661/290	16667/396	18183/334	18330/332
	vi.	R.B. Nos.	X1242	X1248	X1223	X1191	X1328	X1373	R0735	R0403
	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-1975,1921		AJT-2313,2497		
	ii.	SECONDARY Shock Absorber Make &NO.				ESCORTS-1211,1676		ESCORTS-1208,0987		
11.4	i.	Modification/ Trail (if any):				NIL				
	ii.	Deviations (if any):				NIL				

WGACCN 5187



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ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;
Version: 05

1.	SHELL No:	5172	DISPATCH DATE:			18.5.2016		
2.	RAILWAY	ER	Type:	WGACCN	Coach No.:	16110		
3.	Booked to		SSE/C&W/HWH					
4.	Tare Weight of Coach :		52.53 T					
5.	Carrying Capacity :		Seating:	64	Sleeping:	64	Luggage:	NIL
6.	Shell Details: (SG-90004 alt 'b')							
6.1	Leading Dimensions;							
i)	Maximum height above rail to top of Roof ventilator							
ii)	Maximum length over Body							
iii)	Maximum length over Buffer							
iv)	Maximum width over Body							
v)	Maximum width over Flasher light							
vi)	Minimum height above rail level to the lowest fitting							
vii)	Buffer/CBC Height	Specified : 1104 +0 /-10 mm		1096/1104	1104/1094			
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			VIBGYOR	85/86			
8.2	APPLICATION OF PCN-123							
8.3	INSUALTION							
9.	Traceability of Furnishing Items:			Make				
i.	BRAKE EQUIPMENT			ESCORT				
ii.	SEAT & BERTH			SAVITRY				
iii.	WATER TANKS			SHIVALIK,RAIL TECH				
iv.	PVC			responsive				
v.	FLOOR BOARD			NARBADA				
vi.	UIC VESTIBULE			KRP				
vii.	LAV. DOORS			AM INDUSTRY				
viii.	LP SHEET			PL				
ix)	BIO- TOILET			RAIL TECH				
10	10.1	Modification/ Trial (if any):						
.	10.2	Deviations (if any):						



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12.	Bogie Details:	Shell No.		Railway		Type		Coach No.		Dispatch Date	
		5172		ER		WGACCN		16110		30-07-2015	
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'										
12.2	Wheel & Axle Details:		PP Side				NPP Side				
	i.	Bogie No.	153363				153366				
	ii.	Frame No.	UBLS-4864				UBLS-4851				
	iii.	Axle No.	RWF-98312		Y-7934		V1826		A-5068		
	iv.	Wheel Diameter	917.00	917.00	917.50	918.00	918.00	917.50	916.00	916.00	
	v.	Wheel Disc No.	06937/ 266	12012/ 236	13998/ 210	13996/ 206	09190/ 267	09142/ 259	11811/ 295	10687/29 5	
	vi.	R.B. Nos.	V1310	V1382	X1296	X1317	V2368	V1285	D-0891	D-0890	
	vii.	R.B. Make	FAG		FAG		FAG		FAG		
	viii	R.B. Type	Direct Mounted Spherical Roller Bearing								
12.3	<u>Items Traceability:</u>					PP SIDE			NPP SIDE		
	i.	BRAKE CYLINDER Make & NO.				PEW-12908,12896			PEW-12891,12900		
	ii.	SECONDARY Shock Absorber Make &NO.				ESCORTS-629,321			ESCORTS-0522,0519		
12.4	i.	Modification/ Trail (if any):				NIL					
	ii.	Deviations (if any):				NIL					

WGACCN 5172



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ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;
Version: 05

1.	SHELL No:	6003	DISPATCH DATE:			18.5.2016		
2.	RAILWAY	ER	Type:	WGACCN	Coach No.:	16109		
3.	Booked to		SSE/C&W/HWH					
4.	Tare Weight of Coach :		52.53 T					
5.	Carrying Capacity :		Seating:	64	Sleeping:	64	Luggage:	NIL
6.	Shell Details: (SG-90004 alt 'b')							
6.1	Leading Dimensions;							
i)	Maximum height above rail to top of Roof ventilator							
ii)	Maximum length over Body							
iii)	Maximum length over Buffer							
iv)	Maximum width over Body							
v)	Maximum width over Flasher light							
vi)	Minimum height above rail level to the lowest fitting							
vii)	Buffer/CBC Height	Specified : 1104 +0 /-10 mm		1100/1104	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			GS	85/86			
8.2	APPLICATION OF PCN-123							
8.3	INSUALTION							
9.	Traceability of Furnishing Items:			Make				
i.	BRAKE EQUIPMENT			ESCORT				
ii.	SEAT & BERTH			SAVITRY				
iii.	WATER TANKS			SHIVALIK,RAIL FAB				
iv.	PVC			responsive				
v.	FLOOR BOARD			TAYAL				
vi.	UIC VESTIBULE			KRP				
vii.	LAV. DOORS			AM INDUSTRY				
viii.	LP SHEET			PL				
ix)	BIO- TOILET			RAIL TECH				
10	10.1	Modification/ Trial (if any):						
.	10.2	Deviations (if any):						



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11.	Bogie Details:	Shell No.	Railway		Type		Coach No.		Dispatch Date	
		6003	ER		WGACCN		16109		30-04-2016	
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
11.2	Wheel & Axle Details:	PP Side				NPP Side				
	i. Bogie No.	163065				163066				
	ii. Frame No.	UBLS-5006				UBLS-5025				
	iii. Axle No.	V-9569		7345		RWF-98334		L-0144		
	iv. Wheel Diameter	917.00	917.00	917.00	917.00	917.00	917.00	917.00	917.00	
	v. Wheel Disc No.	18719/394	18321/310	18381/397	18141/390	16654/389	18094/327	18099/334	16622/382	
	vi. R.B. Nos.	R0783	R0779	R0061	R0053	R0119	R0118	R0784	R0398	
	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-2153,2129		AJT-2692,2480			
	ii.	SECONDARY Shock Absorber Make &NO.			ESCORTS-1194,1216		ESCORTS-1194,1216			
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:			17.5.2016		
2.	RAILWAY	ER	Type:	WGACCN	Coach No.:	16108		
3.	Booked to		SSE/C&W/HWH					
4.	Tare Weight of Coach :		52.53 T					
5.	Carrying Capacity :		Seating:	64	Sleeping:	64	Luggage:	NIL
6.	Shell Details: (SG-90004 alt 'b')							
6.1	Leading Dimensions;							
i)	Maximum height above rail to top of Roof ventilator							
ii)	Maximum length over Body							
iii)	Maximum length over Buffer							
iv)	Maximum width over Body							
v)	Maximum width over Flasher light							
vi)	Minimum height above rail level to the lowest fitting							
vii)	Buffer/CBC Height	Specified : 1104 +0 /-10 mm		1102/1100	1104/1100			
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			GS	85/86			
8.2	APPLICATION OF PCN-123							
8.3	INSUALTION							
9.	Traceability of Furnishing Items:			Make				
i.	BRAKE EQUIPMENT			ESCORT				
ii.	SEAT & BERTH			SAVITRY				
iii.	WATER TANKS			SHIVALIK,RAIL TECH				
iv.	PVC			responsive				
v.	FLOOR BOARD			NARBADA				
vi.	UIC VESTIBULE			KRP				
vii.	LAV. DOORS			AM INDUSTRY				
viii.	LP SHEET			PL				
ix)	BIO- TOILET			RAIL TECH				
10	10.1	Modification/ Trial (if any):						
.	10.2	Deviations (if any):						



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11.	Bogie Details:	Shell No.	Railway		Type		Coach No.		Dispatch Date		
		6002	ER		WGACCN		16108		22-04-2016		
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'										
11.2	Wheel & Axle Details:	PP Side				NPP Side					
	i. Bogie No.	163053				163054					
	ii. Frame No.	UBLS-5009				UBLS-5129					
	iii. Axle No.	08328		V-0133		K-8021		Y-7977			
	iv. Wheel Diameter	917.50	918.00	918.00	918.00	916.50	916.00	918.00	918.00		
	v. Wheel Disc No.	04293/13078	4260/13078	12779/15112	04288-13078	49319/10278	53186/11227	04190/13078	12872/15112		
	vi. R.B. Nos.	X0145	X0138	R0023	R0022	T0206	T0190	R0024	X0133		
	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-2168,2120			AJT-2072,2070		
	ii.	SECONDARY Shock Absorber Make &NO.				ESCORTS-1126,1525			ESCORTS-1274,1256		
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:	5186	DISPATCH DATE:			17.5.2016	
2.	RAILWAY	ER	Type:	WGACCN	Coach No.:	16107	
3.	Booked to	SSE/C&W/HWH					
4.	Tare Weight of Coach :	52.53 T					
5.	Carrying Capacity :	Seating:	64	Sleeping:	64	Luggage:	NIL
6.	Shell Details: (SG-90004 alt 'b')						
6.1	Leading Dimensions;						
i)	Maximum height above rail to top of Roof ventilator						
ii)	Maximum length over Body						
iii)	Maximum length over Buffer						
iv)	Maximum width over Body						
v)	Maximum width over Flasher light						
vi)	Minimum height above rail level to the lowest fitting						
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		GS	85/85			
8.2	APPLICATION OF PCN-123						
8.3	INSUALTION						
9.	Traceability of Furnishing Items:			Make			
i.	BRAKE EQUIPMENT			ESCORT			
ii.	SEAT & BERTH			SAVITRY			
iii.	WATER TANKS			SHIVALIK,RAIL TECH			
iv.	PVC			POLYMER			
v.	FLOOR BOARD			NARBADA			
vi.	UIC VESTIBULE			KRP			
vii.	LAV. DOORS			AM INDUSTRY			
viii.	LP SHEET			PL			
ix)	BIO- TOILET			ORINTAL			
10	10.1	Modification/ Trial (if any):					
.	10.2	Deviations (if any):					



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11.	Bogie Details:	Shell No.	Railway		Type		Coach No.		Dispatch Date		
		5186	ER		WGACCN		16107		29-03-2016		
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'										
11.2	Wheel & Axle Details:		PP Side				NPP Side				
	i.	Bogie No.	163033				163038				
	ii.	Frame No.	UBLS-5046				UBLS-5120				
	iii.	Axle No.	F-5809		A-4610		A-5308		V-9214		
	iv.	Wheel Diameter	916.50	916.00	916.00	916.00	916.50	916.00	916.00	916.00	
	v.	Wheel Disc No.	53176/11227	49645/10345	49316/10278	48877/10168	49338/10278	53000/11194	49371/10278	53241/11227	
	vi.	R.B. Nos.	U2609	Q0786	R0036	R0032	Q0772	Q0779	R0007	R0068	
	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-2168,1909			AJT-1924,2134		
	ii.	SECONDARY Shock Absorber Make &NO.				ESCORTS-0853,1032			ESCORTS-1548,0942		
11.4	i.	Modification/ Trail (if any):				NIL					
	ii.	Deviations (if any):				NIL					

WGACCN 5186



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ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;
Version: 05

1.	SHELL No:	5184	DISPATCH DATE:			17.5.2016
2.	RAILWAY	ER	Type:	WGACCN	Coach No.:	16105
3.	Booked to		SSE/C&W/HWH			
4.	Tare Weight of Coach :	52.53 T				
5.	Carrying Capacity :	Seating:	64	Sleeping:	64	Luggage: NIL
6.	Shell Details: (SG-90004 alt 'b')					
6.1	Leading Dimensions;					
i)	Maximum height above rail to top of Roof ventilator					
ii)	Maximum length over Body					
iii)	Maximum length over Buffer					
iv)	Maximum width over Body					
v)	Maximum width over Flasher light					
vi)	Minimum height above rail level to the lowest fitting					
vii)	Buffer/CBC Height	Specified : 1104 +0 /-10 mm	11041103	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			GS	85/86	
8.2	APPLICATION OF PCN-123					
8.3	INSUALTION					
9.	Traceability of Furnishing Items:			Make		
i.	BRAKE EQUIPMENT			ESCORT		
ii.	SEAT & BERTH			SAVITRY		
iii.	WATER TANKS			SHIVALIK,RAIL TECH		
iv.	PVC			responsive		
v.	FLOOR BOARD			TAYAL		
vi.	UIC VESTIBULE			KRP		
vii.	LAV. DOORS			AM INDUSTRY		
viii.	LP SHEET			PL		
ix)	BIO- TOILET			AMIT ENGG.		
10	10.1	Modification/ Trial (if any):				
.	10.2	Deviations (if any):				



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11.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date				
		5184	ER	WGACCN	16105	09-04-2016				
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
11.2	Wheel & Axle Details:	PP Side				NPP Side				
	i. Bogie No.	163043				163044				
	ii. Frame No.	UBLS-5021				UBLS-5037				
	iii. Axle No.	Z-7199		A-4238		A-5198		V-9825		
	iv. Wheel Diameter	916.00	916.00	916.50	916.00	917.00	917.00	916.00	916.00	
	v. Wheel Disc No.	16261/218	15361/382	16719/310	18335/323	16432/286	16439/297	18359/299	18394/386	
	vi. R.B. Nos.	R0386	R0616	P1031	P0165	P0178	P0200	P0156	P0146	
	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-02146,2122		AJT-2136,2098		
	ii.	SECONDARY Shock Absorber Make &NO.				ESCORTS-1035,1185		ESCORTS-1253,1009		
11.4	i.	Modification/ Trail (if any):				NIL				
	ii.	Deviations (if any):				NIL				

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ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;
Version: 05

1.	SHELL No:	5185	DISPATCH DATE:			17.5.2016	
2.	RAILWAY	ER	Type:	WGACCN	Coach No.:	16106	
3.	Booked to	SSE/C&W/HWH					
4.	Tare Weight of Coach :	52.53 T					
5.	Carrying Capacity :	Seating:	64	Sleeping:	64	Luggage:	NIL
6.	Shell Details: (SG-90004 alt 'b')						
6.1	Leading Dimensions;						
i)	Maximum height above rail to top of Roof ventilator						
ii)	Maximum length over Body						
iii)	Maximum length over Buffer						
iv)	Maximum width over Body						
v)	Maximum width over Flasher light						
vi)	Minimum height above rail level to the lowest fitting						
vii)	Buffer/CBC Height	Specified : 1104 +0 /-10 mm	11041100	1100/1100			
viii)	Buffer/CBC (Make)	HEPL					
ix)	Draw Gear (Make)	EMSON,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			GS	85/86		
8.2	APPLICATION OF PCN-123						
8.3	INSUALTION						
9.	Traceability of Furnishing Items:			Make			
i.	BRAKE EQUIPMENT			ESCORT			
ii.	SEAT & BERTH			SAVITRY			
iii.	WATER TANKS			SHIVALIK,RAIL TECH			
iv.	PVC			responsive			
v.	FLOOR BOARD			NARBADA			
vi.	UIC VESTIBULE			KRP			
vii.	LAV. DOORS			AM INDUSTRY			
viii.	LP SHEET			PL			
ix)	BIO- TOILET			AMIT ENGG.			
10	10.1	Modification/ Trial (if any):					
.	10.2	Deviations (if any):					



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11.	Bogie Details:	Shell No.		Railway		Type		Coach No.		Dispatch Date	
		5185		ER		WGACCN		16106		04-04-2016	
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'										
11.2	Wheel & Axle Details:		PP Side				NPP Side				
	i.	Bogie No.	163036				163037				
	ii.	Frame No.	UBLS-5149				UBLS-5005				
	iii.	Axle No.	A-5279		L-0225		K-6952		A-4918		
	iv.	Wheel Diameter	916.50	916.00	917.00	917.00	916.00	916.00	918.00	918.00	
	v.	Wheel Disc No.	18265/ 229	18271/ 381	18272/ 269	18419/ 325	18297/ 278	16376/ 320	18393/ 229	18375/23 2	
	vi.	R.B. Nos.	R0256	R0254	P0989	P0144	P0718	P0896	P0994	P1040	
	vii.	R.B. Make	FAG		FAG		FAG		FAG		
	viii.	R.B. Type	Direct Mounted Spherical Roller Bearing								
11.3	Items Traceability:					PP SIDE			NPP SIDE		
	i.	BRAKE CYLINDER Make & NO.				AJT-1908,2066			AJT-2062,2028		
	ii.	SECONDARY Shock Absorber Make &NO.				ESCORTS-1514,1448			ESCORTS-1122,1515		
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:	6012	DISPATCH DATE:			31.5.2016	
2.	RAILWAY	ER	Type:	WGACCN	Coach No.:	16118	
3.	Booked to	SSE/C&W/HWH					
4.	Tare Weight of Coach :	52.53 T					
5.	Carrying Capacity :	Seating:	64	Sleeping:	64	Luggage:	NIL
6.	Shell Details: (SG-90004 alt 'b')						
6.1	Leading Dimensions;						
i)	Maximum height above rail to top of Roof ventilator						
ii)	Maximum length over Body						
iii)	Maximum length over Buffer						
iv)	Maximum width over Body						
v)	Maximum width over Flasher light						
vi)	Minimum height above rail level to the lowest fitting						
vii)	Buffer/CBC Height	Specified : 1104 +0 /-10 mm	1104/1104	11041104			
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			VIBGYOR	85/85		
8.2	APPLICATION OF PCN-123						
8.3	INSUALTION						
9.	Traceability of Furnishing Items:			Make			
i.	BRAKE EQUIPMENT			KBI			
ii.	SEAT & BERTH			SAVITRY			
iii.	WATER TANKS			SHIVALIK			
iv.	PVC			RESPONSIVE			
v.	FLOOR BOARD			TAYAL			
vi.	UIC VESTIBULE			KRP			
vii.	LAV. DOORS			AM INDUSTRIES			
viii.	LP SHEET			PL			
ix)	BIO- TOILET			RAIL TECH			
10	10.1	Modification/ Trial (if any):					
.	10.2	Deviations (if any):					



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11.	Bogie Details:	Shell No.	Railway		Type	Coach No.	Dispatch Date			
		6012	ER		WGACCN	16118	03-05-2016			
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
11.2	Wheel & Axle Details:	PP Side				NPP Side				
	i. Bogie No.	163072				163073				
	ii. Frame No.	UBLS-4982				UBLS-5016				
	iii. Axle No.	RWF-97667		628		Y-7060		K-5158		
	iv. Wheel Diameter	917.50	917.00	917.00	917.00	917.50	917.00	917.00	917.00	
	v. Wheel Disc No.	18328/392	18054/241	18307/222	18258/205	18037/206	18329/329	18329/385	18352/222	
	vi. R.B. Nos.	Y0346	Y0266	X0002	X0639	R0795	X0135	Y0360	Y0355	
	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-0659,2502		AJT-2641,2604			
	ii.	SECONDARY Shock Absorber Make &NO.			ESCORTS-1173,0983		ESCORTS-1186,1001			
11.4	i.	Modification/ Trail (if any):			NIL					
	ii.	Deviations (if any):			NIL					

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