



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;
Version: 05

1.	SHELL No:	5045	DISPATCH DATE:			16.05.2015
2.	RAILWAY	ER	Type:	GS	Coach No.:	15403
3.	Booked to	SSE/C&W/LILUAH				
4.	Tare Weight of Coach :	36.99T				
5.	Carrying Capacity :	Seating:	90	Sleeping:	NIL	Luggage: NIL
6.	Shell Details: (SG-90004 alt 'b')					
6.1	Leading Dimensions;					
i)	Maximum height above rail to top of Roof ventilator			4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN only)		
ii)	Maximum length over Body			21337 ± 10		
iii)	Maximum length over Buffer			22297 ± 15		
iv)	Maximum width over Body			3245 ± 5		
v)	Maximum width over Flasher light			3402 +0/-5		
vi)	Minimum height above rail level to the lowest fitting			200 mm		
vii)	Buffer/CBC Height	Specified : 1104 +0 /-10 mm		1104/1103	1102/1104	
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	85/85	
8.2	APPLICATION OF PCN-123		SATISFACTORY			
8.3	INSUALTION		SATISFACTORY			
9.	Traceability of Furnishing Items:			Make		
i.	BRAKE EQUIPMENT			ESCORTS		
ii.	SEAT & BERTH			OVPL		
iii.	WATER TANKS			RUBICONE, AMIT		
iv.	PVC			TAYAL		
v.	FLOOR BOARD			RESPONSIVE		
vi.	WINDOWS			ABC, MECIDONE		
vii.	LAV. DOORS			TWPL, DHINJAN		
viii.	LP SHEET			NA		
ix)	BIO- TOILET			RASANDIK, DE		
10.	10.1	Modification/ Trial (if any):		NIL		
	10.2	Deviations (if any):		NIL		



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12.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date				
		5045	ER	GS	15403	28-04-2015				
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
12.2	Wheel & Axle Details:	PP Side				NPP Side				
	i.	Bogie No.	150518				150520			
	ii.	Frame No.	UBLS-1373				UBLS-1374			
	iii.	Axle No.	A-3785		P-5894		W-2772		W-3114	
	iv.	Wheel Diameter	918.00	918.00	917.00	917.00	917.00	917.00	917.00	917.00
	v.	Wheel Disc No.	10347/ 247	10443/ 253	10726/ 392	10496/ 254	10734/ 234	05993/ 280	04217/ 285	10245/23 6
	vi.	R.B. Nos.	L2966	L3012	C3990	C3981	L-2824	L-2844	L-2813	L2816
	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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ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;
Version: 05

1.	SHELL No:	5061	DISPATCH DATE:		18.05.2015		
2.	RAILWAY	ER	Type:	GS	Coach No.:	15404	
3.	Booked to	SSE/C&W/LILUAH					
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/cm ² of BC	Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type)				
		Brake release time to reach .4 Kg/cm ²	Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type)				
7.2	Insensitivity	BP dipped @ 0.30 Kg/cm ² n 60 sec	No brake application				
7.3	Sensitivity	BP dipped @ 0.60 Kg/cm ² in 6 sec	Brakes "ON"				
7.4	Passenger alarm by pulling chain		BP Blasts out, Brakes "ON"				
7.5	Piston stroke for BMBC type coach only		19 +10/-0 mm (NAC)				
8.	PAINTING DEATAILS:						
		TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE			
8.1	PAINT	PU PAINT	GS	85/85			
8.2	APPLICATION OF PCN-123		SATISFACTORY				
8.3	INSUALTION		SATISFACTORY				
9.	Traceability of Furnishing Items:		Make				
i.	BRAKE EQUIPMENT		ESCORTS				
ii.	SEAT & BERTH		OVPL				
iii.	WATER TANKS		RUBICONE, RAIL FAB				
iv.	PVC		TAYAL				
v.	FLOOR BOARD		RESPONSIVE				
vi.	WINDOWS		ABC, AGF, MECIDONE				
vii.	LAV. DOORS		TWPL, DHINJAN				
viii.	LP SHEET		NA				
ix)	BIO- TOILET		ORIENTAL, DE				
10.	10.1	Modification/ Trial (if any):	NIL				
	10.2	Deviations (if any):	NIL				



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12.	Bogie Details:	Shell No.		Railway		Type		Coach No.		Dispatch Date
		5061		ER		GS		15404		29-04-2015
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
12.2	Wheel & Axle Details:	PP Side					NPP Side			
	i.	Bogie No.	150482					150523		
	ii.	Frame No.	ASR-37					UBLS-1360		
	iii.	Axle No.	P-5792		V-9853		A-4371		4136	
	iv.	Wheel Diameter	916.50	916.00	918.00	917.50	917.00	917.50	917.00	917.00
	v.	Wheel Disc No.	11852/ 15529	12009/ 15571	05198/ 13830	05092/ 13830	09921/ 13966	09705/ 14862	60010/ 08194	09282/13 358
	vi.	R.B. Nos.	C3075	C3037	J1849	J1838	A1572	A0889	A1304	A0868
	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)					PEW			
	ii.	SECONDARY Shock Absorber (Make)					KNORR BREMSE			
12.4	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:	5059	DISPATCH DATE:		16.05.2015		
2.	RAILWAY	ER	Type:	GS	Coach No.:	15406	
3.	Booked to	SSE/C&W/LILUAH					
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/cm ² of BC	Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type)				
		Brake release time to reach .4 Kg/cm ²	Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type)				
7.2	Insensitivity	BP dipped @ 0.30 Kg/cm ² n 60 sec	No brake application				
7.3	Sensitivity	BP dipped @ 0.60 Kg/cm ² in 6 sec	Brakes "ON"				
7.4	Passenger alarm by pulling chain		BP Blasts out, Brakes "ON"				
7.5	Piston stroke for BMBC type coach only		19 +10/-0 mm (NAC)				
8.	PAINTING DEATAILS:						
		TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE			
8.1	PAINT	PU PAINT	GS	86/87			
8.2	APPLICATION OF PCN-123		SATISFACTORY				
8.3	INSUALTION		SATISFACTORY				
9.	Traceability of Furnishing Items:		Make				
i.	BRAKE EQUIPMENT		ESCORTS				
ii.	SEAT & BERTH		OVPL				
iii.	WATER TANKS		RUBICONE, RAIL FAB				
iv.	PVC		TAYAL				
v.	FLOOR BOARD		RESPONSIVE				
vi.	WINDOWS		ABC, AGF, MECIDONE				
vii.	LAV. DOORS		AMIR CHAND				
viii.	LP SHEET		NK				
ix)	BIO- TOILET		ORIENTAL, OASIS				
10.	10.1	Modification/ Trial (if any):	NIL				
	10.2	Deviations (if any):	NIL				



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12.	Bogie Details:	Shell No.		Railway		Type		Coach No.		Dispatch Date		
		5059		ER		GS		15406		27-04-2015		
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'											
12.2	Wheel & Axle Details:	PP Side					NPP Side					
	i.	Bogie No.	150512					150515				
	ii.	Frame No.	UBLS-1365					UBLS-1345				
	iii.	Axle No.	A-4475		A-4497		A-4255		V-7140			
	iv.	Wheel Diameter	916.00	916.00	917.00	917.00	916.00	916.00	916.00	916.00		
	v.	Wheel Disc No.	10257/260	10336/278	06841/206	10742/378	10165/369	10706/239	12158/254	12158/223		
	vi.	R.B. Nos.	C3292	C3264	L3070	L2986	C3052	C3072	C3314	C3326		
	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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ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;
Version: 05

1.	SHELL No:	5062	DISPATCH DATE:		19.05.2015		
2.	RAILWAY	ER	Type:	GS	Coach No.:	15407	
3.	Booked to	SSE/C&W/LILUAH					
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)	HEPL					
ix)	Draw Gear (Make)	RK					
7.	Air Brake Testing:						
	Description		Specified				
7.1	Emergency Application	Time for 0 to 3.6 Kg/cm ² of BC	Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type)				
		Brake release time to reach .4 Kg/cm ²	Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type)				
7.2	Insensitivity	BP dipped @ 0.30 Kg/cm ² n 60 sec	No brake application				
7.3	Sensitivity	BP dipped @ 0.60 Kg/cm ² in 6 sec	Brakes "ON"				
7.4	Passenger alarm by pulling chain		BP Blasts out, Brakes "ON"				
7.5	Piston stroke for BMBC type coach only		19 +10/-0 mm (NAC)				
8.	PAINTING DEATAILS:						
		TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE			
8.1	PAINT	PU PAINT	GS	86/87			
8.2	APPLICATION OF PCN-123		SATISFACTORY				
8.3	INSUALTION		SATISFACTORY				
9.	Traceability of Furnishing Items:		Make				
i.	BRAKE EQUIPMENT		ESCORTS				
ii.	SEAT & BERTH		OVPL				
iii.	WATER TANKS		RUBICONE, RAIL FAB				
iv.	PVC		TAYAL				
v.	FLOOR BOARD		RESPONSIVE				
vi.	WINDOWS		ABC, AGF, MECIDONE				
vii.	LAV. DOORS		AMIR CHAND				
viii.	LP SHEET		NK				
ix)	BIO- TOILET		ORIENTAL				
10.	10.1	Modification/ Trial (if any):	NIL				
	10.2	Deviations (if any):	NIL				



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12.	Bogie Details:	Shell No.		Railway		Type		Coach No.		Dispatch Date	
		5062		ER		GS		15407		01-05-2015	
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'										
12.2	Wheel & Axle Details:		PP Side				NPP Side				
	i.	Bogie No.	150551				150550				
	ii.	Frame No.	ASR-98				ASR-880				
	iii.	Axle No.	10060		A-4348		A-5320		Y-6812		
	iv.	Wheel Diameter	913.00	913.00	917.00	917.00	916.00	916.00	915.00	915.00	
	v.	Wheel Disc No.	10325/ 212	10380/ 378	12427/ 285	05672/ 212	10343/ 275	10293/ 211	07130/ 221	07127/38 5	
	vi.	R.B. Nos.	A0911	A0741	C3216	C3362	M0661	M0662	A1022	F0658	
	vii.	R.B. Make	NBC		NBC		NBC		NBC		
	viii.	R.B. Type	Direct Mounted Spherical Roller Bearing								
12.3	Items Traceability:										
	i.	BRAKE CYLINDER (Make)					PEW				
	ii.	SECONDARY Shock Absorber (Make)					KNORR BREMSE				
12.4	i.	Modification/ Trail (if any):					NIL				
	ii.	Deviations (if any):					NIL				

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Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;
Version: 05

1.	SHELL No:	5056	DISPATCH DATE:		23.05.2015		
2.	RAILWAY	ER	Type:	GS	Coach No.:	15410	
3.	Booked to	SSE/C&W/LILUAH					
4.	Tare Weight of Coach :	36.99T					
5.	Carrying Capacity :	Seating:	90	Sleeping:	NIL	Luggage:	NIL
6.	Shell Details: (SG-90004 alt 'b')						
6.1	Leading Dimensions;						
i)	Maximum height above rail to top of Roof ventilator		4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN only)				
ii)	Maximum length over Body		21337 ± 10				
iii)	Maximum length over Buffer		22297 ± 15				
iv)	Maximum width over Body		3245 ± 5				
v)	Maximum width over Flasher light		3402 +0/-5				
vi)	Minimum height above rail level to the lowest fitting		200 mm				
vii)	Buffer/CBC Height	Specified : 1104 +0/-10 mm	1104/1104	1104/1104			
viii)	Buffer/CBC (Make)		ATUL				
ix)	Draw Gear (Make)		EMSON				
7.	Air Brake Testing:						
	Description		Specified				
7.1	Emergency Application	Time for 0 to 3.6 Kg/cm ² of BC	Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type)				
		Brake release time to reach .4 Kg/cm ²	Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type)				
7.2	Insensitivity	BP dipped @ 0.30 Kg/cm ² n 60 sec	No brake application				
7.3	Sensitivity	BP dipped @ 0.60 Kg/cm ² in 6 sec	Brakes "ON"				
7.4	Passenger alarm by pulling chain		BP Blasts out, Brakes "ON"				
7.5	Piston stroke for BMBC type coach only		19 +10/-0 mm (NAC)				
8.	PAINTING DEATAILS:						
		TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE			
8.1	PAINT	PU PAINT	GS	85/86			
8.2	APPLICATION OF PCN-123		SATISFACTORY				
8.3	INSUALTION		SATISFACTORY				
9.	Traceability of Furnishing Items:		Make				
i.	BRAKE EQUIPMENT		ESCORTS				
ii.	SEAT & BERTH		OVPL				
iii.	WATER TANKS		RUBICONE				
iv.	PVC		ORIENTAL				
v.	FLOOR BOARD		RESPONSIVE				
vi.	WINDOWS		ABC, AGF, MECIDONE				
vii.	LAV. DOORS		AMIR CHAND				
viii.	LP SHEET		NA				
ix)	BIO- TOILET		OMAX, ALFA				
10.	10.1	Modification/ Trial (if any):	NIL				
	10.2	Deviations (if any):	NIL				



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12.	Bogie Details:	Shell No.		Railway		Type		Coach No.		Dispatch Date	
		5056		ER		GS		15410		06-05-2015	
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'										
12.2	Wheel & Axle Details:		PP Side				NPP Side				
	i.	Bogie No.	150567				150565				
	ii.	Frame No.	ASR-123				ASR-60				
	iii.	Axle No.	A-4185		Y-7404		M-6595		P-3265		
	iv.	Wheel Diameter	909.00	909.00	910.00	910.00	917.00	917.00	917.00	917.00	
	v.	Wheel Disc No.	10271/ 212	04261/ 205	04208/ 235	08982/ 387	10748/ 250	10543/ 233	10137/ 214	09092/25 3	
	vi.	R.B. Nos.	C-3387	C-3365	M0693	M-0686	C-3259	C-3251	C-3258	C-3277	
	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):					LESS WHEEL DIA				

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ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;
Version: 05

1.	SHELL No:	5077	DISPATCH DATE:		21.05.2015		
2.	RAILWAY	ER	Type:	GS	Coach No.:	15419	
3.	Booked to	SSE/C&W/LILUAH					
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)		JLS				
ix)	Draw Gear (Make)		RK				
7.	Air Brake Testing:						
	Description		Specified				
7.1	Emergency Application	Time for 0 to 3.6 Kg/cm ² of BC	Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type)				
		Brake release time to reach .4 Kg/cm ²	Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type)				
7.2	Insensitivity	BP dipped @ 0.30 Kg/cm ² n 60 sec	No brake application				
7.3	Sensitivity	BP dipped @ 0.60 Kg/cm ² in 6 sec	Brakes "ON"				
7.4	Passenger alarm by pulling chain		BP Blasts out, Brakes "ON"				
7.5	Piston stroke for BMBC type coach only		19 +10/-0 mm (NAC)				
8.	PAINTING DEATAILS:						
		TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE			
8.1	PAINT	PU PAINT	AUSTIN	85/85			
8.2	APPLICATION OF PCN-123		SATISFACTORY				
8.3	INSUALTION		SATISFACTORY				
9.	Traceability of Furnishing Items:		Make				
i.	BRAKE EQUIPMENT		ESCORTS				
ii.	SEAT & BERTH		SAVITRI				
iii.	WATER TANKS		AMIT, RAIL FAB				
iv.	PVC		TAYAL				
v.	FLOOR BOARD		RESPONSIVE				
vi.	WINDOWS		ABC, AGF, MECIDONE				
vii.	LAV. DOORS		AMIR CHAND				
viii.	LP SHEET		NA				
ix)	BIO- TOILET		ORIENTAL				
10.	10.1	Modification/ Trial (if any):	NIL				
	10.2	Deviations (if any):	NIL				



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12.	Bogie Details:	Shell No.		Railway		Type		Coach No.		Dispatch Date	
		5077		ER		GS		15419		28-04-2015	
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'										
12.2	Wheel & Axle Details:		PP Side				NPP Side				
	i.	Bogie No.	150519				150522				
	ii.	Frame No.	UBLS-1375				UBLS-1391				
	iii.	Axle No.	A-3858		A-4438		RWF-103986		N-4803		
	iv.	Wheel Diameter	916.00	916.00	916.50	917.00	916.00	916.00	916.00	916.00	
	v.	Wheel Disc No.	10243/ 374	10343/ 240	09138/ 268	10285/ 264	06939/ 221	05953/ 232	10312/ 240	10125/30 3	
	vi.	R.B. Nos.	L2791	L2793	C2991	C3004	L2783	L2786	L2756	L2785	
	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)					PEW,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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ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;
Version: 05

1.	SHELL No:	5051	DISPATCH DATE:		22.05.2015		
2.	RAILWAY	ER	Type:	GS	Coach No.:	15405	
3.	Booked to	SSE/C&W/LILUAH					
4.	Tare Weight of Coach :	36.99T					
5.	Carrying Capacity :	Seating:	90	Sleeping:	NIL	Luggage:	NIL
6.	Shell Details: (SG-90004 alt 'b')						
6.1	Leading Dimensions;						
i)	Maximum height above rail to top of Roof ventilator		4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN only)				
ii)	Maximum length over Body		21337 ± 10				
iii)	Maximum length over Buffer		22297 ± 15				
iv)	Maximum width over Body		3245 ± 5				
v)	Maximum width over Flasher light		3402 +0/-5				
vi)	Minimum height above rail level to the lowest fitting		200 mm				
vii)	Buffer/CBC Height	Specified : 1104 +0/-10 mm	1104/1104	1104/1104			
viii)	Buffer/CBC (Make)		ATUL				
ix)	Draw Gear (Make)		EMSON				
7.	Air Brake Testing:						
	Description		Specified				
7.1	Emergency Application	Time for 0 to 3.6 Kg/cm ² of BC	Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type)				
		Brake release time to reach .4 Kg/cm ²	Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type)				
7.2	Insensitivity	BP dipped @ 0.30 Kg/cm ² n 60 sec	No brake application				
7.3	Sensitivity	BP dipped @ 0.60 Kg/cm ² in 6 sec	Brakes "ON"				
7.4	Passenger alarm by pulling chain		BP Blasts out, Brakes "ON"				
7.5	Piston stroke for BMBC type coach only		19 +10/-0 mm (NAC)				
8.	PAINTING DEATAILS:						
		TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE			
8.1	PAINT	PU PAINT	GS	85/85			
8.2	APPLICATION OF PCN-123		SATISFACTORY				
8.3	INSUALTION		SATISFACTORY				
9.	Traceability of Furnishing Items:		Make				
i.	BRAKE EQUIPMENT		ESCORTS				
ii.	SEAT & BERTH		OVPL				
iii.	WATER TANKS		RUBICONE, RAIL FAB				
iv.	PVC		ORIENTAL				
v.	FLOOR BOARD		RESPONSIVE				
vi.	WINDOWS		ABC, MECIDONE				
vii.	LAV. DOORS		AMIR CHAND				
viii.	LP SHEET		NK				
ix)	BIO- TOILET		ORIENTAL				
10.	10.1	Modification/ Trial (if any):	NIL				
	10.2	Deviations (if any):	NIL				



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12.	Bogie Details:	Shell No.		Railway		Type		Coach No.		Dispatch Date	
		5051		ER		GS		15405		29-04-2015	
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'										
12.2	Wheel & Axle Details:	PP Side					NPP Side				
	i.	Bogie No.	150532					150530			
	ii.	Frame No.	UBLS-1376					ASR-88			
	iii.	Axle No.	A-4212		A-5351		P-6140		W-9852		
	iv.	Wheel Diameter	916.50	916.00	917.00	917.00	917.00	917.00	916.50	916.00	
	v.	Wheel Disc No.	12127/ 220	10370/ 254	00731/ 223	06430/ 241	10545/ 223	08762/ 267	06995/ 213	05672/26 0	
	vi.	R.B. Nos.	C3223	C3206	C3352	C3371	C3349	C3389	C3358	C3395	
	vii.	R.B. Make	NBC		NBC		NBC		NBC		
viii.	R.B. Type	Direct Mounted Spherical Roller Bearing									
12.3	Items Traceability:										
	i.	BRAKE CYLINDER (Make)					PEW,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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ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;
Version: 05

1.	SHELL No:	5057	DISPATCH DATE:		25.05.2015
2.	RAILWAY	ER	Type:	GS	Coach No.: 15409
3.	Booked to	SSE/C&W/LILUAH			
4.	Tare Weight of Coach :	36.99T			
5.	Carrying Capacity :	Seating:	90	Sleeping:	NIL
				Luggage:	NIL
6.	Shell Details: (SG-90004 alt 'b')				
	6.1	Leading Dimensions:			
	i)	Maximum height above rail to top of Roof ventilator	4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN only)		
	ii)	Maximum length over Body	21337 ± 10		
	iii)	Maximum length over Buffer	22297 ± 15		
	iv)	Maximum width over Body	3245 ± 5		
	v)	Maximum width over Flasher light	3402 +0/-5		
	vi)	Minimum height above rail level to the lowest fitting	200 mm		
	vii)	Buffer/CBC Height	Specified : 1104 +0/-10 mm	1103/1104	1103/1102
	viii)	Buffer/CBC (Make)	ATUL, 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	RUBICONE		
	iv.	PVC	ORIENTAL		
	v.	FLOOR BOARD	RESPONSIVE		
	vi.	WINDOWS	ABC, MECIDONE		
	vii.	LAV. DOORS	AMIR CHAND		
	viii.	LP SHEET	NA		
	ix)	BIO- TOILET	ORIENTAL, OMAX		
10.	10.1	Modification/ Trial (if any):	NIL		
	10.2	Deviations (if any):	NIL		



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12.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date				
		5057	ER	GS	15409	18-05-2015				
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
12.2	Wheel & Axle Details:	PP Side				NPP Side				
	i.	Bogie No.	150613				150628			
	ii.	Frame No.	ASR-146				ASR-172			
	iii.	Axle No.	11811		11726		P-9811		11721	
	iv.	Wheel Diameter	916.50	916.00	916.00	916.00	916.00	916.00	916.00	916.00
	v.	Wheel Disc No.	09019/275	10748/207	10746/381	09040/255	07340/238	04233/217	10226/227	10745/211
	vi.	R.B. Nos.	X-2051	X-2061	X-2045	X-2011	X-0903	X-0976	X-0639	X-0537
	vii.	R.B. Make	FAG		FAG		FAG		FAG	
	viii.	R.B. Type	Direct Mounted Spherical Roller Bearing							
12.3	<u>Items Traceability:</u>									
	i.	BRAKE CYLINDER (Make)				9171,9142 PEW		9257,7150 PEW		
	ii.	SECONDARY Shock Absorber (Make)				99875,00432 K/B		00047,00601 K/B		
12.4	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:	5071	DISPATCH DATE:			27.05.2015
2.	RAILWAY	ER	Type:	GS	Coach No.:	15417
3.	Booked to	SSE/C&W/LILUAH				
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:			Make		
i.	BRAKE EQUIPMENT			ESCORTS		
ii.	SEAT & BERTH			ADVANCE SILICON		
iii.	WATER TANKS			AMIT, RAIL FAB		
iv.	PVC			TAYAL		
v.	FLOOR BOARD			RESPONSIVE		
vi.	WINDOWS			ABC, AGF, MECIDONE		
vii.	LAV. DOORS			AMIR CHAND		
viii.	LP SHEET			NA		
ix)	BIO- TOILET			OASIS, OMAX		
10.	10.1	Modification/ Trial (if any):		NIL		
	10.2	Deviations (if any):		NIL		



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12.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date			
		5071	ER	GS	15417	21-05-2015			
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'								
12.2	Wheel & Axle Details:	PP Side				NPP Side			
	i. Bogie No.	150614				150616			
	ii. Frame No.	ASR-156				ASR-91			
	iii. Axle No.	A-5400		U-8361		V-9341		P-5674	
	iv. Wheel Diameter	916.00	916.00	917.00	917.00	916.50	916.00	916.00	916.00
	v. Wheel Disc No.	10324/ 243	10313/ 226	10746/ 374	10664/ 240	10374/ 284	10748/ 248	10210/ 256	10577/26 7
	vi. R.B. Nos.	X-2000	X-1609	X-1374	X-1138	X-1125	X-0943	X-1435	X-0948
	vii. R.B. Make	FAG		FAG		FAG		FAG	
	viii. R.B. Type	Direct Mounted Spherical Roller Bearing							
12.3	<u>Items Traceability:</u>								
	i.	BRAKE CYLINDER (Make)			9135,9162 PEW		3605,3830 AJT		
	ii.	SECONDARY Shock Absorber (Make)			99869,99882 K/B		00135,00758 K/B		
12.4	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:	5060	DISPATCH DATE:		27.05.2015
2.	RAILWAY	ER	Type:	GS	Coach No.: 15412
3.	Booked to	SSE/C&W/LILUAH			
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	HEPL	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:		Make		
i.	BRAKE EQUIPMENT		ESCORTS		
ii.	SEAT & BERTH		ADVANCE SILICON		
iii.	WATER TANKS		AMIT, RUBICONE		
iv.	PVC		TAYAL		
v.	FLOOR BOARD		RESPONSIVE		
vi.	WINDOWS		ABC, AGF, MECIDONE		
vii.	LAV. DOORS		AMIR CHAND		
viii.	LP SHEET		NA		
ix)	BIO- TOILET		ORIENTAL, OMAX		
10.	10.1	Modification/ Trial (if any):	NIL		
	10.2	Deviations (if any):	NIL		



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12.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date				
		5060	ER	GS	15412	06-05-2015				
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
12.2	Wheel & Axle Details:	PP Side				NPP Side				
	i.	Bogie No.	150568				150566			
	ii.	Frame No.	ASR-117				ASR-912			
	iii.	Axle No.	P-3431		P-5782		U-4354		P-3390	
	iv.	Wheel Diameter	917.00	917.00	917.00	917.00	917.00	917.00	917.00	917.00
	v.	Wheel Disc No.	10298/220	10309/382	05857/223	10345/294	10746/202	10744/287	07065/369	10743/279
	vi.	R.B. Nos.	O-3253	C-2993	C-3276	C-3245	C-3282	C-3274	C-3269	C-3288
	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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ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;
Version: 05

1.	SHELL No:	5079	DISPATCH DATE:		27.05.2015		
2.	RAILWAY	ER	Type:	GS	Coach No.:	15421	
3.	Booked to	SSE/C&W/LILUAH					
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)		JLS				
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:			Make			
i.	BRAKE EQUIPMENT		ESCORTS				
ii.	SEAT & BERTH		SAVITRI				
iii.	WATER TANKS		AMIT				
iv.	PVC		TAYAL				
v.	FLOOR BOARD		RESPONSIVE				
vi.	WINDOWS		ABC, AGF, MECIDONE				
vii.	LAV. DOORS		AMIR CHAND				
viii.	LP SHEET		NA				
ix)	BIO- TOILET		ORIENTAL, OMAX				
10.	10.1	Modification/ Trial (if any):	NIL				
	10.2	Deviations (if any):	NIL				



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12.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date				
		5079	ER	GS	15421	12-05-2015				
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
12.2	Wheel & Axle Details:	PP Side				NPP Side				
	i.	Bogie No.	150589				150586			
	ii.	Frame No.	ASR-109				ASR-107			
	iii.	Axle No.	Y-6457		W-2682		U-6977		2251	
	iv.	Wheel Diameter	903.00	903.50	901.00	901.00	906.00	906.00	905.00	905.00
	v.	Wheel Disc No.	38237/ 03027	41314/ 03349	38238/ 03027	38149/ 03027	41310/ 03349	41614/ 03624	41919/ 01405	21750/15 708
	vi.	R.B. Nos.	C-3356	C-3016	X-1556	X-1555	C-2995	C-2986	C-3002	C-2988
	vii.	R.B. Make	NBC		FAG		NBC		NBC	
	viii.	R.B. Type	Direct Mounted Spherical Roller Bearing							
12.3	<u>Items Traceability:</u>									
	i.	BRAKE CYLINDER (Make)				3565,3838 AJT		3615,3622 AJT		
	ii.	SECONDARY Shock Absorber (Make)				00625,00053 K/B		00158,00284 K/B		
12.4	i.	Modification/ Trail (if any):				NIL				
	ii.	Deviations (if any):				LESS WHEEL DIA				

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ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;
Version: 05

1.	SHELL No:	5073	DISPATCH DATE:		28.05.2015
2.	RAILWAY	ER	Type:	GS	Coach No.: 15416
3.	Booked to	SSE/C&W/LILUAH			
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	HEPL	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/cm ² of BC	Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type)		
		Brake release time to reach .4 Kg/cm ²	Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type)		
7.2	Insensitivity	BP dipped @ 0.30 Kg/cm ² n 60 sec	No brake application		
7.3	Sensitivity	BP dipped @ 0.60 Kg/cm ² in 6 sec	Brakes "ON"		
7.4	Passenger alarm by pulling chain		BP Blasts out, Brakes "ON"		
7.5	Piston stroke for BMBC type coach only		19 +10/-0 mm (NAC)		
8.	PAINTING DEATAILS:				
		TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE	
8.1	PAINT	PU PAINT	GS	85/85	
8.2	APPLICATION OF PCN-123		SATISFACTORY		
8.3	INSUALTION		SATISFACTORY		
9.	Traceability of Furnishing Items:		Make		
i.	BRAKE EQUIPMENT		ESCORTS		
ii.	SEAT & BERTH		ADVANCE SILICON		
iii.	WATER TANKS		AMIT, RUBICONE		
iv.	PVC		TAYAL		
v.	FLOOR BOARD		RESPONSIVE		
vi.	WINDOWS		ABC, AGF, MECIDONE		
vii.	LAV. DOORS		AMIR CHAND		
viii.	LP SHEET		NA		
ix)	BIO- TOILET		OASIS, OMAX		
10.	10.1	Modification/ Trial (if any):	NIL		
	10.2	Deviations (if any):	NIL		



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12.	Bogie Details:	Shell No.	Railway		Type		Coach No.		Dispatch Date		
		5073	ER		GS		15416		20-05-2015		
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'										
12.2	Wheel & Axle Details:	PP Side					NPP Side				
	i.	Bogie No.	150590					150597			
	ii.	Frame No.	ASR-147					UBLS-1457			
	iii.	Axle No.	A-4496		11796		11723		U-6784		
	iv.	Wheel Diameter	916.00	916.00	916.00	916.00	916.00	916.00	916.00	916.00	
	v.	Wheel Disc No.	10380/386	08964/272	10135/239	10744/250	10743/287	10634/256	10691/287	10423/240	
	vi.	R.B. Nos.	X-2064	X-0951	X-2042	X-2063	X-1998	X-1376	X-1613	X-1589	
	vii.	R.B. Make	FAG		FAG		FAG		FAG		
	viii.	R.B. Type	Direct Mounted Spherical Roller Bearing								
12.3	<u>Items Traceability:</u>										
	i.	BRAKE CYLINDER (Make)				3561,3564 AJT		3855,3559 AJT			
	ii.	SECONDARY Shock Absorber (Make)				00612,00536 K/B		00026,00596 K/B			
12.4	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:	5067	DISPATCH DATE:			28.05.2015	
2.	RAILWAY	ER	Type:	GS	Coach No.:	15413	
3.	Booked to	SSE/C&W/LILUAH					
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	85/85		
8.2	APPLICATION OF PCN-123		SATISFACTORY				
8.3	INSUALTION		SATISFACTORY				
9.	Traceability of Furnishing Items:			Make			
i.	BRAKE EQUIPMENT			ESCORTS			
ii.	SEAT & BERTH			ADVANCE SILICON			
iii.	WATER TANKS			AMIT, RAIL FAB			
iv.	PVC			TAYAL			
v.	FLOOR BOARD			RESPONSIVE			
vi.	WINDOWS			ABC, MECIDONE			
vii.	LAV. DOORS			AMIR CHAND			
viii.	LP SHEET			NA			
ix)	BIO- TOILET			ORIENTAL, OMAX			
10.	10.1	Modification/ Trial (if any):		NIL			
	10.2	Deviations (if any):		NIL			



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12.	Bogie Details:	Shell No.	Railway		Type	Coach No.	Dispatch Date			
		5067	ER		GS	15413	16-05-2015			
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
12.2	Wheel & Axle Details:	PP Side				NPP Side				
	i.	Bogie No.	150600				150605			
	ii.	Frame No.	UBLS-1425				UBLS-1436			
	iii.	Axle No.	A-3788		S-1676		A-4425		A-3706	
	iv.	Wheel Diameter	916.00	916.00	916.00	916.00	916.50	916.00	916.50	916.50
	v.	Wheel Disc No.	10280/260	12124/294	10325/210	95539/266	99081/221	05522/213	10728/276	10762/374
	vi.	R.B. Nos.	X1156	X1022	X1119	X1034	X1761	X1993	X1771	X1785
	vii.	R.B. Make	FAG		FAG		FAG		FAG	
	viii.	R.B. Type	Direct Mounted Spherical Roller Bearing							
12.3	<u>Items Traceability:</u>									
	i.	BRAKE CYLINDER (Make)				E-7874,E-7993 PEW		E-7151,E7851 PEW		
	ii.	SECONDARY Shock Absorber (Make)				00110,00054 K/B		84874,99881 K/B		
12.4	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:	5075	DISPATCH DATE:			25.05.2015
2.	RAILWAY	ER	Type:	GS	Coach No.:	15420
3.	Booked to	SSE/C&W/LILUAH				
4.	Tare Weight of Coach :	36.99T				
5.	Carrying Capacity :	Seating:	90	Sleeping:	NIL	Luggage: NIL
6.	Shell Details: (SG-90004 alt 'b')					
6.1	Leading Dimensions:					
i)	Maximum height above rail to top of Roof ventilator			4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN only)		
ii)	Maximum length over Body			21337 ± 10		
iii)	Maximum length over Buffer			22297 ± 15		
iv)	Maximum width over Body			3245 ± 5		
v)	Maximum width over Flasher light			3402 +0/-5		
vi)	Minimum height above rail level to the lowest fitting			200 mm		
vii)	Buffer/CBC Height	Specified : 1104 +0 /-10 mm		1104/1103	1104/1104	
viii)	Buffer/CBC (Make)			JLS, HE		
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:			Make		
i.	BRAKE EQUIPMENT			ESCORTS		
ii.	SEAT & BERTH			SAVITRI		
iii.	WATER TANKS			RUBICONE, RAIL FAB		
iv.	PVC			TAYAL		
v.	FLOOR BOARD			RESPONSIVE		
vi.	WINDOWS			ABC, AGF, MECIDONE		
vii.	LAV. DOORS			AMIR CHAND		
viii.	LP SHEET			NA		
ix)	BIO- TOILET			OASIS		
10.	10.1	Modification/ Trial (if any):			NIL	
	10.2	Deviations (if any):			NIL	



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12.	Bogie Details:	Shell No.	Railway		Type	Coach No.	Dispatch Date			
		5075	ER		GS	15420	16-05-2015			
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
12.2	Wheel & Axle Details:	PP Side				NPP Side				
	i.	Bogie No.	150622				150593			
	ii.	Frame No.	UBLS-1434				UBLS-1445			
	iii.	Axle No.	U-4477		RWF-97245		A-3934		A-4369	
	iv.	Wheel Diameter	916.50	916.00	916.50	916.00	916.50	916.00	916.50	916.00
	v.	Wheel Disc No.	10563/201	10441/383	05885/243	07280/287	10751/205	10744/204	09097/215	10476/369
	vi.	R.B. Nos.	X1108	X1752	X1130	X1122	X1774	X1767	X1969	X1751
	vii.	R.B. Make	FAG		FAG		FAG		FAG	
viii.	R.B. Type	Direct Mounted Spherical Roller Bearing								
12.3	<u>Items Traceability:</u>									
	i.	BRAKE CYLINDER (Make)				8028,7149 PEW		3823,3893 AJT		
	ii.	SECONDARY Shock Absorber (Make)				0057,00525 K/B		00428,00653 K/B		
12.4	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:	5063	DISPATCH DATE:			27.05.2015
2.	RAILWAY	ER	Type:	GS	Coach No.:	15418
3.	Booked to	SSE/C&W/LILUAH				
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)			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	85/85	
8.2	APPLICATION OF PCN-123			SATISFACTORY		
8.3	INSUALTION			SATISFACTORY		
9.	Traceability of Furnishing Items:			Make		
i.	BRAKE EQUIPMENT			ESCORTS		
ii.	SEAT & BERTH			OVPL		
iii.	WATER TANKS			RUBICONE, AMIT		
iv.	PVC			TAYAL		
v.	FLOOR BOARD			RESPONSIVE		
vi.	WINDOWS			ABC, MECIDONE		
vii.	LAV. DOORS			AMIR CHAND		
viii.	LP SHEET			NK		
ix)	BIO- TOILET			OASIS		
10.	10.1	Modification/ Trial (if any):			NIL	
	10.2	Deviations (if any):			NIL	



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12.	Bogie Details:	Shell No.		Railway		Type		Coach No.		Dispatch Date	
		5063		ER		GS		15418		19-05-2015	
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'										
12.2	Wheel & Axle Details:		PP Side					NPP Side			
	i.	Bogie No.	150623					150621			
	ii.	Frame No.	ASR-151					ASR-100			
	iii.	Axle No.	11816		11725		N-4558		A-4145		
	iv.	Wheel Diameter	916.00	916.00	916.00	916.00	916.00	916.00	916.50	916.50	
	v.	Wheel Disc No.	10274/ 273	10678/ 240	10743/ 219	10630/ 213	10423/ 376	10750/ 270	10746/ 220	10390/38 1	
	vi.	R.B. Nos.	X1134	X0521	X0627	X0615	X0959	X1295	X0955	X1365	
	vii.	R.B. Make	FAG		FAG		FAG		FAG		
	viii.	R.B. Type	Direct Mounted Spherical Roller Bearing								
12.3	<u>Items Traceability:</u>										
	i.	BRAKE CYLINDER (Make)					E-9699,E-9131 PEW		E9164,E7074 PEW		
	ii.	SECONDARY Shock Absorber (Make)					00118,99876 K/B		00705,99871 K/B		
12.4	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:	5069	DISPATCH DATE:			02.06.2015
2.	RAILWAY	ER	Type:	GS	Coach No.:	15415
3.	Booked to	SSE/C&W/LILUAH				
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:			Make		
i.	BRAKE EQUIPMENT			ESCORTS		
ii.	SEAT & BERTH			ADVANCE SILICON		
iii.	WATER TANKS			RUBICONE, RAIL FAB		
iv.	PVC			TAYAL		
v.	FLOOR BOARD			RESPONSIVE		
vi.	WINDOWS			ABC, MECIDONE		
vii.	LAV. DOORS			AMIR CHAND		
viii.	LP SHEET			NK		
ix)	BIO- TOILET			OASIS, OMAX		
10.	10.1	Modification/ Trial (if any):			NIL	
	10.2	Deviations (if any):			NIL	



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12.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date				
		5069	ER	GS	15415	20-05-2015				
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
12.2	Wheel & Axle Details:	PP Side				NPP Side				
	i.	Bogie No.	150574				150588			
	ii.	Frame No.	ASR-142				ASR-149			
	iii.	Axle No.	U-3828		RWF-97244		S-3601		A-3951	
	iv.	Wheel Diameter	918.00	917.50	918.00	918.00	917.00	917.00	917.00	917.00
	v.	Wheel Disc No.	10125/308	12156/286	10366/214	10156/293	10361/294	09006/270	10239/226	10675/256
	vi.	R.B. Nos.	X1635	X1586	X1588	X1578	X0986	X0949	X0946	X0972
	vii.	R.B. Make	FAG		FAG		FAG		FAG	
	viii.	R.B. Type	Direct Mounted Spherical Roller Bearing							
12.3	<u>Items Traceability:</u>									
	i.	BRAKE CYLINDER (Make)				3833,3777 AJT		3555,3901 AJT		
	ii.	SECONDARY Shock Absorber (Make)				00592,00335 K/B		00231,00657 K/B		
12.4	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:	5068	DISPATCH DATE:			27.05.2015
2.	RAILWAY	ER	Type:	GS	Coach No.:	15411
3.	Booked to	SSE/C&W/LILUAH				
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 ESCORT			
	ii.	SEAT & BERTH	ADVANCE SILICON			
	iii.	WATER TANKS	RUBICONE, RAIL FAB			
	iv.	PVC	RESPONSIVE			
	v.	FLOOR BOARD	TAYAL			
	vi.	WINDOWS	AGF,ABC, MECIDON			
	vii.	LAV. DOORS	AMIR CHAND			
	viii.	LP SHEET	NK			
	ix)	BIO- TOILET	ORIENTAL, OMAX			
10.	10.1	Modification/ Trial (if any):	NIL			
	10.2	Deviations (if any):	NIL			



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12.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date				
		5068	ER	GS	15411	18-05-2015				
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
12.2	Wheel & Axle Details:	PP Side				NPP Side				
	i.	Bogie No.	150570				150595			
	ii.	Frame No.	ASR-110				UBLS-1495			
	iii.	Axle No.	11621		369		RWF-98671		A-4543	
	iv.	Wheel Diameter	916.00	916.00	916.50	916.00	916.00	916.00	916.00	916.00
	v.	Wheel Disc No.	10744/214	10746/256	10750/315	10407/269	10791/284	10119/320	10748/276	10240/240
	vi.	R.B. Nos.	X0980	X0941	X1995	X1347	X1369	X0966	X1364	X0956
	vii.	R.B. Make	FAG		FAG		FAG		FAG	
	viii.	R.B. Type	Direct Mounted Spherical Roller Bearing							
12.3	<u>Items Traceability:</u>									
	i.	BRAKE CYLINDER (Make)				3808,3818 AJT		3610,3761 AJT		
	ii.	SECONDARY Shock Absorber (Make)				00178,00426 K/B		00179,00167 K/B		
12.4	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:	5054	DISPATCH DATE:			16.05.2015	
2.	RAILWAY	ER	Type:	GS	Coach No.:	15402	
3.	Booked to	SSE/C&W/LILUAH					
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	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	RUBICONE, RAIL FAB					
iv.	PVC	ORIENTAL					
v.	FLOOR BOARD	RESPONSIVE					
vi.	WINDOWS	ABC, AGF, MECIDONE					
vii.	LAV. DOORS	AMIR CHAND					
viii.	LP SHEET	NK					
ix)	BIO- TOILET	OASIS, DE					
10.	10.1	Modification/ Trial (if any):	NIL				
	10.2	Deviations (if any):	NIL				



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12.	Bogie Details:	Shell No.	Railway		Type		Coach No.		Dispatch Date	
		5054	ER		GS		15402		29-04-2015	
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
12.2	Wheel & Axle Details:		PP Side				NPP Side			
	i.	Bogie No.	150531				150534			
	ii.	Frame No.	UBLS-1371				UBLS-1370			
	iii.	Axle No.	A-3983		P-5955		A-3952		N-4591	
	iv.	Wheel Diameter	917.00	917.00	96.50	916.50	917.00	917.00	917.00	917.00
	v.	Wheel Disc No.	06372/2 76	12156/2 34	10439/2 20	10377/2 31	10447/3 74	10284/2 57	06962/2 25	04146/297
	vi.	R.B. Nos.	C3322	C3315	C3380	C3382	C3266	C3265	L2835	L2852
	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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ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;
Version: 05

1.	SHELL No:	5064	DISPATCH DATE:			16.05.2015
2.	RAILWAY	ER	Type:	GS	Coach No.:	15408
3.	Booked to	SSE/C&W/LILUAH				
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:			Make		
i.	BRAKE EQUIPMENT			ESCORTS		
ii.	SEAT & BERTH			OVPL		
iii.	WATER TANKS			RUBICONE		
iv.	PVC			TAYAL		
v.	FLOOR BOARD			RESPONSIVE		
vi.	WINDOWS			ABC, NFTC		
vii.	LAV. DOORS			AMIR CHAND		
viii.	LP SHEET			NK		
ix)	BIO- TOILET			OASIS, ORIENTAL		
10.	10.1	Modification/ Trial (if any):			NIL	
	10.2	Deviations (if any):			NIL	



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12.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date			
		5064	ER	GS	15408	29-04-2015			
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'								
12.2	Wheel & Axle Details:	PP Side				NPP Side			
	i. Bogie No.	150526				150464			
	ii. Frame No.	ASR-84				ASR-56			
	iii. Axle No.	10690		A-4459		T-3166		W-2355	
	iv. Wheel Diameter	917.00	917.00	917.00	917.00	918.00	918.00	917.50	918.00
	v. Wheel Disc No.	10674/3 69	10688/2 86	10157/2 89	10442/2 69	10356/2 62	10425/2 18	05681/2 68	03864/230
	vi. R.B. Nos.	C2864	C2897	C3331	C3302	C3236	C3212	C3185	C3222
	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,PEW			
	ii.	SECONDARY Shock Absorber (Make)				KNORR BREMSE			
12.4	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:	5065	DISPATCH DATE:		02.06.2015
2.	RAILWAY	ER	Type:	GS	Coach No.: 15414
3.	Booked to	SSE/C&W/LILUAH			
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	85/85
	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	RUBICONE		
	iv.	PVC	TAYAL		
	v.	FLOOR BOARD	RESPONSIVE		
	vi.	WINDOWS	ABC, MECIDONE		
	vii.	LAV. DOORS	AMIR CHAND		
	viii.	LP SHEET	NK		
	ix)	BIO- TOILET	OASIS, OMAX		
10.	10.1	Modification/ Trial (if any):	NIL		
	10.2	Deviations (if any):	NIL		



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12.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date				
		5065	ER	GS	15414	20-05-2015				
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
12.2	Wheel & Axle Details:	PP Side				NPP Side				
	i.	Bogie No.	150604				150596			
	ii.	Frame No.	UBLS-1415				UBLS-1419			
	iii.	Axle No.	P-5577		A-3584		A-4416		A-4170	
	iv.	Wheel Diameter	918.00	918.00	916.00	916.00	918.00	918.00	917.00	917.00
	v.	Wheel Disc No.	10561/214	07274/226	10486/214	10444/202	12156/397	09140/255	05796/261	10684/224
	vi.	R.B. Nos.	X-1557	X-1592	X-2041	X-1671	X-1605	X-1567	X-1616	X-1651
	vii.	R.B. Make	FAG		FAG		FAG		FAG	
	viii.	R.B. Type	Direct Mounted Spherical Roller Bearing							
12.3	<u>Items Traceability:</u>									
	i.	BRAKE CYLINDER (Make)				5978,7872	PEW	3563,3762	AJT	
	ii.	SECONDARY Shock Absorber (Make)				00056,00106	K/B	00322,00331	K/B	
12.4	i.	Modification/ Trail (if any):				NIL				
	ii.	Deviations (if any):				NIL				

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