



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

1.	SHELL No:	4005	DISPATCH DATE:		11.6.2014		
2.	RAILWAY	ER	Type:	WGACCN	Coach No.:	14112	
3.	Booked to	SSE/C&W/LILUAH					
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			4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN only)			
ii)	Maximum length over Body			21337 ± 10			
iii)	Maximum length over Buffer			22297 ± 15			
iv)	Maximum width over Body			3245 ± 5			
v)	Maximum width over Flasher light			3402 +0/-5			
vi)	Minimum height above rail level to the lowest fitting			181.5 mm (AE63143)			
vii)	Buffer/CBC Height	Specified : 1104 +0 /-10 mm		1104/1104	1103/1104		
viii)	Buffer/CBC (Make)			REPL			
ix)	Draw Gear (Make)			EMSON			
7.	Air Brake Testing:						
	Description			Specified			
7.1	Emergency Application	Time for 0 to 3.6 Kg/cm2 of BC		Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type)			
		Brake release time to reach .4 Kg/cm2		Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type)			
7.2	Insensitivity	BP dipped @ 0.30 Kg/cm2 n 60 sec		No brake application			
7.3	Sensitivity	BP dipped @ 0.60 Kg/cm2 in 6 sec		Brakes "ON"			
7.4	Passenger alarm by pulling chain			BP Blasts out, Brakes "ON"			
7.5	Piston stroke for BMBC type coach only			19 +10/-0 mm (NAC)			
8.	PAINTING DEATAILS:						
		TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE			
8.1	PAINT	PU PAINT	VIBGYOR	86			
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			SHIVALIK & AMIT			
iv.	PVC			RESPONSIVE			
v.	FLOOR BOARD			NARBADA			
vi.	UIC VESTIBULE			KRP			
vii.	LAV. DOORS			SAVITRI			
viii.	LP SHEET			NA			
ix)	BIO- TOILET			RAIL FAB			
10.	10.1	Modification/ Trial (if any):			NIL		
	10.2	Deviations (if any):			NIL		



Shell No.: 4005

Dispatch Date: **04-04-2014**

5.0. Details of Bogies:

Items	Alarm side				Non Alarm Side			
Bogie No	143130				143131			
Frame No.	UBLS-1007				UBLS-4231			
Axle No.	RWF-98138		V-9824		RWF-98229		W-2723	
Wheel Diameter	918.00	917.50	918.00	918.00	918.00	918.00	918.00	918.00
Wheel Disc No.	55163/0 9272	65421/1 1931	36123/0 1552	55156/0 0272	63208/ 06744	54992/0 9010	55091/0 9010	55360/0 9932
R.B. No.	B-0832	B-0601	B-0568	B-0557	B-0751	B-0769	B-0867	B-0831
R.B. Make	NBC		NBC		NBC		NBC	
Type	Direct Mounted Spherical Roller Bearing							

5.1 Traceability:

SNO	ITEM	PP Side Bogie	NPP side Bogie	Make
		Sr. nos.	Sr. nos.	
1	BRAKE CYLINDER NO	7586,6901	6850,6876	AJT
2	SECONDARY VERTICAL DAMPER	10094,10113	10117,10111	GAB

5.2 MODIFICATION (IF ANY):

5.3 DEVIATION (IF ANY):

WGACCN-4005



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ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

1.	SHELL No:	4003	DISPATCH DATE:		23.6.2014
2.	RAILWAY	ER	Type:	WGACCN	Coach No.: 14117
3.	Booked to	SSE/C&W/LILUAH			
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	4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN only)		
	ii)	Maximum length over Body	21337 ± 10		
	iii)	Maximum length over Buffer	22297 ± 15		
	iv)	Maximum width over Body	3245 ± 5		
	v)	Maximum width over Flasher light	3402 +0/-5		
	vi)	Minimum height above rail level to the lowest fitting	181.5 mm (AE63143)		
	vii)	Buffer/CBC Height	Specified : 1104 +0 /- 10 mm	1104/1100	1102/1100
	viii)	Buffer/CBC (Make)	REPL		
	ix)	Draw Gear (Make)	EMSON		
7.	Air Brake Testing:				
		Description	Specified		
	7.1	Emergency Application	Time for 0 to 3.6 Kg/cm2 of BC	Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type)	
			Brake release time to reach .4 Kg/cm2	Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type)	
	7.2	Insensitivity	BP dipped @ 0.30 Kg/cm2 n 60 sec	No brake application	
	7.3	Sensitivity	BP dipped @ 0.60 Kg/cm2 in 6 sec	Brakes "ON"	
	7.4	Passenger alarm by pulling chain	BP Blasts out, Brakes "ON"		
	7.5	Piston stroke for BMBC type coach only	19 +10/-0 mm (NAC)		
8.	PAINTING DEATAILS:				
			TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE
	8.1	PAINT	PU PAINT	VIBGYOR	86
	8.2	APPLICATION OF PCN-123	SATISFACTORY		
	8.3	INSUALTION	SATISFACTORY		
9.	Traceability of Furnishing Items:				
	i.	BRAKE EQUIPMENT	Make ESCORTS		
	ii.	SEAT & BERTH	SAVITRI		
	iii.	WATER TANKS	RAIL FAB & AMIT		
	iv.	PVC	RESPONSIVE		
	v.	FLOOR BOARD	NARBADA		
	vi.	UIC VESTIBULE	KRP		
	vii.	LAV. DOORS	SAVITRI		
	viii.	LP SHEET	NA		
	ix)	BIO- TOILET	RAIL FAB		
10.	10.1	Modification/ Trial (if any):	NIL		
	10.2	Deviations (if any):	NIL		



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Shell No.: 4003

Dispatch Date: 12-04-2014

5.0. Details of Bogies:

Items	Alarm side				Non Alarm Side			
Bogie No	143135				143139			
Frame No.	Ubls-4220				UBLS-4206			
Axle No.	RWF-98207		P-5811		V-9802		S-5496	
Wheel Diameter	917.50	917.50	918.00	918.00	918.00	918.00	917.50	918.00
Wheel Disc No.	55446/0 2209	55458/0 2209	54854/0 9816	65349/1 1931	55276/ 09932	62797/1 0845	59063/0 4244	55317/0 9932
R.B.No.	B-0726	B-0725	B-1010	B-0999	B-1032	B-0988	Y-1162	Y-1335
R.B.Make	NBC		NBC		NBC		FAG	
Type	Direct Mounted Spherical Roller Bearing							

5.1 Traceability:

SNO	ITEM	PP Side Bogie	NPP side Bogie	Make
		Sr. nos.	Sr. nos.	
1	BRAKE CYLINDER NO	6968,6797	6841,6907	AJT
2	SECONDARY VERTICAL DAMPER	10120,10162	10427,10445	GAB

5.2 MODIFICATION (IF ANY):

5.3 DEVIATION (IF ANY):

WGACCN-4003



ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

1.	SHELL No:	4001	DISPATCH DATE:		23.6.2014
2.	RAILWAY	ER	Type:	WGACCN	Coach No.: 14115
3.	Booked to	SSE/C&W/LILUAH			
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	4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN only)			
ii)	Maximum length over Body	21337 ± 10			
iii)	Maximum length over Buffer	22297 ± 15			
iv)	Maximum width over Body	3245 ± 5			
v)	Maximum width over Flasher light	3402 +0/-5			
vi)	Minimum height above rail level to the lowest fitting	181.5 mm (AE63143)			
vii)	Buffer/CBC Height	Specified : 1104 +0 /- 10 mm	1103/1104	1104/1104	
viii)	Buffer/CBC (Make)	REPL			
ix)	Draw Gear (Make)	EMSON			
7.	Air Brake Testing:				
		Description	Specified		
7.1	Emergency Application	Time for 0 to 3.6 Kg/cm2 of BC	Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type)		
		Brake release time to reach .4 Kg/cm2	Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type)		
7.2	Insensitivity	BP dipped @ 0.30 Kg/cm2 n 60 sec	No brake application		
7.3	Sensitivity	BP dipped @ 0.60 Kg/cm2 in 6 sec	Brakes "ON"		
7.4	Passenger alarm by pulling chain		BP Blasts out, Brakes "ON"		
7.5	Piston stroke for BMBC type coach only		19 +10/-0 mm (NAC)		
8.	PAINTING DEATAILS:				
		TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE	
8.1	PAINT	PU PAINT	VIBGYOR	86	
8.2	APPLICATION OF PCN-123		SATISFACTORY		
8.3	INSUALTION		SATISFACTORY		
9.	Traceability of Furnishing Items:				Make
i.	BRAKE EQUIPMENT				SIL
ii.	SEAT & BERTH				SAVITRI
iii.	WATER TANKS				RAIL FAB & AMIT
iv.	PVC				RESPONSIVE
v.	FLOOR BOARD				TAYAL
vi.	UIC VESTIBULE				KRP
vii.	LAV. DOORS				SAVITRI
viii.	LP SHEET				NA
ix)	BIO- TOILET				RAIL FAB
10.	10.1	Modification/ Trial (if any):		NIL	
	10.2	Deviations (if any):		NIL	



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Shell No.: 4001

Dispatch Date: 18-04-2014

5.0. Details of Bogies:

Items	Alarm side				Non Alarm Side			
Bogie No	143149				143122			
Frame No.	UBLS-4226				UBLS-4195			
Axle No.	RWF-91785		S-7284		S-5220		V-9369	
Wheel Diameter	918.00	918.00	916.00	916.50	918.00	918.00	918.00	918.00
Wheel Disc No.	04158/2 69	04162/2 29	04169/2 34	03651/2 69	03709/ 266	03650/2 55	04249/3 36	04211/2 45
R.B. No.	Y-1881	Y-1614	Y-2171	Y-1914	A-1041	A-1039	A-1038	A-1061
R.B. Make	FAG		FAG		NBC		NBC	
Type	Direct Mounted Spherical Roller Bearing							

5.1 Traceability:

SNO	ITEM	PP Side Bogie	NPP side Bogie	Make
		Sr. nos.	Sr. nos.	
1	BRAKE CYLINDER NO	E-13533,E-11418	E-12338,E-12319	PEW
2	SECONDARY VERTICAL DAMPER	10135,10408	119745,107302	GAB ,IAI

5.2 MODIFICATION (IF ANY):

5.3 DEVIATION (IF ANY):

WGACCN-4001



ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

1.	SHELL No:	4013	DISPATCH DATE:		23.6.2014
2.	RAILWAY	ER	Type:	WGACCN	Coach No.: 14113
3.	Booked to	SSE/C&W/LILUAH			
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	4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN only)			
ii)	Maximum length over Body	21337 ± 10			
iii)	Maximum length over Buffer	22297 ± 15			
iv)	Maximum width over Body	3245 ± 5			
v)	Maximum width over Flasher light	3402 +0/-5			
vi)	Minimum height above rail level to the lowest fitting	181.5 mm (AE63143)			
vii)	Buffer/CBC Height	Specified : 1104 +0 /- 10 mm	1104/1104	1104/1104	
viii)	Buffer/CBC (Make)	REPL			
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	PU PAINT	APC	86/87	
8.2	APPLICATION OF PCN-123		SATISFACTORY		
8.3	INSUALTION		SATISFACTORY		
9.	Traceability of Furnishing Items:		Make		
i.	BRAKE EQUIPMENT		ESCORTS		
ii.	SEAT & BERTH		SAVITRI		
iii.	WATER TANKS		MANOJ & AMIT		
iv.	PVC		RESPONSIVE		
v.	FLOOR BOARD		NARBADA		
vi.	UIC VESTIBULE		KRP		
vii.	LAV. DOORS		SAVITRI		
viii.	LP SHEET		NA		
ix)	BIO- TOILET		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					
		4013	ER	WGACCN	14113	31-05-14					
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'										
12.2	Wheel & Axle Details:	PP Side				NPP Side					
	i.	Bogie No.	143187				143237				
	ii.	Frame No.	UBLS-4240				UBLS-938				
	iii.	Axle No.	4333		U-4556		U-7246		T-3734		
	iv.	Wheel Diameter	915.00	915.00	916.00	916.00	916.00	916.00	915.00	915.00	
	v.	Wheel Disc No.	17500/ 16399	17093/ 16294	18717/ 16561	18754/ 16567	62762/ 10845	32951/ 12392	02937/ 12392	36118/01 552	
	vi.	R.B. Nos.	Y-1701	Y-1683	Y-2288	Y-2252	X-2383	X-2305	X-1655	X-2301	
	vii.	R.B. Make	NBC		NBC		FAG		FAG		
	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)					GABRIEL				
12.4	i.	Modification/ Trail (if any):					NIL				
	ii.	Deviations (if any):					NIL				



ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

1.	SHELL No:	4002	DISPATCH DATE:		23.6.2014
2.	RAILWAY	ER	Type:	WGACCN	Coach No.: 14116
3.	Booked to	SSE/C&W/LILUAH			
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	4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN only)			
ii)	Maximum length over Body	21337 ± 10			
iii)	Maximum length over Buffer	22297 ± 15			
iv)	Maximum width over Body	3245 ± 5			
v)	Maximum width over Flasher light	3402 +0/-5			
vi)	Minimum height above rail level to the lowest fitting	181.5 mm (AE63143)			
vii)	Buffer/CBC Height	Specified : 1104 +0 /- 10 mm	1104/1104		1100/1104
viii)	Buffer/CBC (Make)				REPL
ix)	Draw Gear (Make)				EMSON
7.	Air Brake Testing:				
		Description	Specified		
7.1	Emergency Application	Time for 0 to 3.6 Kg/cm ² of BC	Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type)		
		Brake release time to reach .4 Kg/cm ²	Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type)		
7.2	Insensitivity	BP dipped @ 0.30 Kg/cm ² n 60 sec	No brake application		
7.3	Sensitivity	BP dipped @ 0.60 Kg/cm ² in 6 sec	Brakes "ON"		
7.4	Passenger alarm by pulling chain		BP Blasts out, Brakes "ON"		
7.5	Piston stroke for BMBC type coach only		19 +10/-0 mm (NAC)		
8.	PAINTING DEATAILS:				
		TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE	
8.1	PAINT	PU PAINT	VIBGYOR	86	
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		RAIL FAB & AMIT		
iv.	PVC		RESPONSIVE		
v.	FLOOR BOARD		TAYAL		
vi.	UIC VESTIBULE		KRP		
vii.	LAV. DOORS		SAVITRI		
viii.	LP SHEET		NA		
ix)	BIO- TOILET		RAIL FAB		
10.	10.1	Modification/ Trial (if any):	NIL		
	10.2	Deviations (if any):	NIL		



Shell No.: 4002

Dispatch Date: 21-04-2014

5.0. Details of Bogies:

Items	Alarm side				Non Alarm Side			
Bogie No	143123				1431148			
Frame No.	UBLS-1003				UBLS-4179			
Axle No.	S-5211		RWF-91770		V-9049		M-6816	
Wheel Diameter	916.50	916.50	917.00	917.00	916.00	916.00	917.00	917.00
Wheel Disc No.	63410/0 6566	63286/0 6566	00344/3 94	54822/0 9178	59032/ 04244	59002/0 4244	59203/0 3099	62886/1 0845
R.B. No.	B1278	B1289	B1304	A0570	V1882	V1904	Y1607	Y1918
R.B. Make	NBC		NBC		FAG		FAG	
Type	Direct Mounted Spherical Roller Bearing							

5.1 Traceability:

SNO	ITEM	PP Side Bogie	NPP side Bogie	Make
		Sr. nos.	Sr. nos.	
1	BRAKE CYLINDER NO	6799,6870	7672,7615	AJT
2	SECONDARY VERTICAL DAMPER	119646,120065	10099,9851	GAB

5.2 MODIFICATION (IF ANY):

5.3 DEVIATION (IF ANY):



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ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

1.	SHELL No:	4015	DISPATCH DATE:		24.6.2014		
2.	RAILWAY	ER	Type:	WGACCN	Coach No.:	14118	
3.	Booked to	SSE/C&W/LILUAH					
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	4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN only)					
ii)	Maximum length over Body	21337 ± 10					
iii)	Maximum length over Buffer	22297 ± 15					
iv)	Maximum width over Body	3245 ± 5					
v)	Maximum width over Flasher light	3402 +0/-5					
vi)	Minimum height above rail level to the lowest fitting	181.5 mm (AE63143)					
vii)	Buffer/CBC Height	Specified : 1104 +0 /- 10 mm	1104/1104		1104/1104		
viii)	Buffer/CBC (Make)	REPL					
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	APC	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 & MANOJ				
iv.	PVC		RESPONSIVE				
v.	FLOOR BOARD		TAYAL				
vi.	UIC VESTIBULE		KRP				
vii.	LAV. DOORS		SAVITRI				
viii.	LP SHEET		NA				
ix)	BIO- TOILET		OMAX				
10.	10.1	Modification/ Trial (if any):	NIL				
	10.2	Deviations (if any):	NIL				



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12.	4015Bogie Details:	Shell No.		Railway		Type		Coach No.		Dispatch Date	
		4015		ER		WGACCN		14118		12-06-14	
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'										
12.2	Wheel & Axle Details:		PP Side				NPP Side				
	i.	Bogie No.	143197				143169				
	ii.	Frame No.	UBLS-4243				UBLS-4216				
	iii.	Axle No.	J-3898		RWF-98128		952		1120		
	iv.	Wheel Diameter	916.00	916.50	916.50	916.00	917.00	917.00	917.50	917.50	
	v.	Wheel Disc No.	05607/ 282	04276/ 229	03666/ 344	04208/ 290	06987/ 228	06360/ 249	06387/ 230	06379/37 9	
	vi.	R.B. Nos.	X-1186	X-1220	X-1742	X-1506	B-0961	B-0959	X-2097	X-2063	
	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)					PEW				
	ii.	SECONDARY Shock Absorber (Make)					GABRIEL				
12.4	i.	Modification/ Trail (if any):					NIL				
	ii.	Deviations (if any):					NIL				

WGACCN-4015



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ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

1.	SHELL No:	3220	DISPATCH DATE:		24.6.2014		
2.	RAILWAY	ER	Type:	WGACCN	Coach No.:	14114	
3.	Booked to	SSE/C&W/LILUAH					
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		4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN only)				
ii)	Maximum length over Body		21337 ± 10				
iii)	Maximum length over Buffer		22297 ± 15				
iv)	Maximum width over Body		3245 ± 5				
v)	Maximum width over Flasher light		3402 +0/-5				
vi)	Minimum height above rail level to the lowest fitting		181.5 mm (AE63143)				
vii)	Buffer/CBC Height	Specified : 1104 +0 /- 10 mm	1104/1103	1104/1104			
viii)	Buffer/CBC (Make)		RIL				
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	ADVANCE	86			
8.2	APPLICATION OF PCN-123		SATISFACTORY				
8.3	INSUALTION		SATISFACTORY				
9.	Traceability of Furnishing Items:		Make				
i.	BRAKE EQUIPMENT		SIL				
ii.	SEAT & BERTH		SAVITRI				
iii.	WATER TANKS		AMIT & RAIL FAB				
iv.	PVC		RESPONSIVE				
v.	FLOOR BOARD		TAYAL				
vi.	UIC VESTIBULE		KRP				
vii.	LAV. DOORS		SAVITRI				
viii.	LP SHEET		NA				
ix)	BIO- TOILET		RAIL FAB				
10.	10.1	Modification/ Trial (if any):	NIL				
	10.2	Deviations (if any):	NIL				



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Shell No.: 3220

Dispatch Date: 07-03-2014

5.0. Details of Bogies:

Items	Alarm side				Non Alarm Side			
Bogie No	143114				143085			
Frame No.	UBLS-902				UBLS-4133			
Axle No.	3153		M-6758		2803		V-0062	
Wheel Diameter	917.00	917.00	917.00	917.00	917.00	917.00	917.00	917.00
Wheel Disc No.	03653/2 39	02322/2 13	03643/3 73	03696/3 77	79666/ 233	97691/2 18	97380/2 29	97682/2 07
R.B. No.	M-2729	M-2233	M-2756	M-2737	M-2247	M-2248	M-2766	M-2727
R.B. Make	NBC		NBC		NBC		NBC	
Type	Direct Mounted Spherical Roller Bearing							

5.1 Traceability:

SNO	ITEM	PP Side Bogie	NPP side Bogie	Make
		Sr. nos.	Sr. nos.	
1	BRAKE CYLINDER NO	8089,8087	6967,6891	AJT
2	SECONDARY VERTICAL DAMPER	120419,119692	120177,119599	IAI

5.2 MODIFICATION (IF ANY):

5.3 DEVIATION (IF ANY):

WGACCN-3220



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ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

1.	SHELL No:	4017	DISPATCH DATE:			25.6.2014	
2.	RAILWAY	ER	Type:	WGACCN	Coach No.:	14119	
3.	Booked to	SSE/C&W/LILUAH					
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	4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN only)					
ii)	Maximum length over Body	21337 ± 10					
iii)	Maximum length over Buffer	22297 ± 15					
iv)	Maximum width over Body	3245 ± 5					
v)	Maximum width over Flasher light	3402 +0/-5					
vi)	Minimum height above rail level to the lowest fitting	181.5 mm (AE63143)					
vii)	Buffer/CBC Height	Specified : 1104 +0 /- 10 mm	1095/1096			1100/1095	
viii)	Buffer/CBC (Make)					REPL	
ix)	Draw Gear (Make)					CFPL	
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	APC	86			
8.2	APPLICATION OF PCN-123		SATISFACTORY				
8.3	INSUALTION		SATISFACTORY				
9.	Traceability of Furnishing Items:						
i.	BRAKE EQUIPMENT				Make ESCORTS		
ii.	SEAT & BERTH				SAVITRI		
iii.	WATER TANKS				AMIT & RAIL FAB		
iv.	PVC				FROM JUDW SUPPLY		
v.	FLOOR BOARD				NARBADA		
vi.	UIC VESTIBULE				KRP		
vii.	LAV. DOORS				SAVITRI		
viii.	LP SHEET				NA		
ix)	BIO- TOILET				OMAX		
10.	10.1	Modification/ Trial (if any):				NIL	
	10.2	Deviations (if any):				NIL	



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Shell No.: _____

Dispatch Date: 31-03-2014

5.0. Details of Bogies:

Items	Alarm side				Non Alarm Side			
Bogie No	143118				143117			
Frame No.	UBLS-4191				UBLS-4207			
Axle No.	T-3928		T-0037		8329		S-9093	
Wheel Diameter	918.00	918.00	918.00	918.00	917.00	917.50	917.50	917.50
Wheel Disc No.	0339/20 1	03736/2 72	03748/2 31	03960/2 05	03657/ 368	02317/3 15	04219/2 76	04109/2 42
R.B. No.	O-26	O-56	A-1046	A-0979	A-0812	A-0818	A-0833	A-0837
R.B. Make	FAG		NBC		NBC		NBC	
Type	Direct Mounted Spherical Roller Bearing							

5.1 Traceability:

SNO	ITEM	PP Side Bogie	NPP side Bogie	Make
		Sr. nos.	Sr. nos.	
1	BRAKE CYLINDER NO	7648,7652	K-9261,E-12291	AJT,PEW
2	SECONDARY VERTICAL DAMPER	252,254	107405,107335	GAB,IAI

5.2 MODIFICATION (IF ANY):

5.3 DEVIATION (IF ANY):

WGACCN-4017



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ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

1.	SHELL No:	4019	DISPATCH DATE:		01.7.2014
2.	RAILWAY	ER	Type:	WGACCN	Coach No.:
3.	Booked to	SSE/C&W/LILUAH			
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	4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN only)			
ii)	Maximum length over Body	21337 ± 10			
iii)	Maximum length over Buffer	22297 ± 15			
iv)	Maximum width over Body	3245 ± 5			
v)	Maximum width over Flasher light	3402 +0/-5			
vi)	Minimum height above rail level to the lowest fitting	181.5 mm (AE63143)			
vii)	Buffer/CBC Height	Specified : 1104 +0 /- 10 mm	1094/1094	1100/1095	
viii)	Buffer/CBC (Make)	REPL			
ix)	Draw Gear (Make)	CFPL			
7.	Air Brake Testing:				
	Description		Specified		
7.1	Emergency Application	Time for 0 to 3.6 Kg/cm ² of BC	Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type)		
		Brake release time to reach .4 Kg/cm ²	Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type)		
7.2	Insensitivity	BP dipped @ 0.30 Kg/cm ² n 60 sec	No brake application		
7.3	Sensitivity	BP dipped @ 0.60 Kg/cm ² in 6 sec	Brakes "ON"		
7.4	Passenger alarm by pulling chain		BP Blasts out, Brakes "ON"		
7.5	Piston stroke for BMBC type coach only		19 +10/-0 mm (NAC)		
8.	PAINTING DEATAILS:				
		TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE	
8.1	PAINT	PU PAINT	VIBGYOR	86	
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 & SHIVALIK		
iv.	PVC		RESPONSIVE		
v.	FLOOR BOARD		NARBADA		
vi.	UIC VESTIBULE		KRP		
vii.	LAV. DOORS		SAVITRI		
viii.	LP SHEET		NA		
ix)	BIO- TOILET		RAIL FAB		
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				
		4019	ER	WGACCN	14121	31-05-14				
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
12.2	Wheel & Axle Details:	PP Side				NPP Side				
	i.	Bogie No.	143150				143176			
	ii.	Frame No.	UBLS-4214				UBLS-999			
	iii.	Axle No.	8179		717		U-9698		P-3394	
	iv.	Wheel Diameter	917.00	917.00	916.00	916.00	914.00	914.50	910.00	910.00
	v.	Wheel Disc No.	02635/ 04569	18814/ 16567	24877/ 15035	24919/ 15035	18375/ 16567	15157/ 16212	02833/ 10845	02508/04 066
	vi.	R.B. Nos.	B-0844	B-0847	B-0570	B-0578	X-1590	X-1640	B-1325	B-1337
	vii.	R.B. Make	NBC		NBC		FAG		NBC	
	viii	R.B. Type	Direct Mounted Spherical Roller Bearing							
12.3	Items Traceability:									
	i.	BRAKE CYLINDER (Make)				AJT,PEW				
	ii.	SECONDARY Shock Absorber (Make)				GABRIEL				
12.4	i.	Modification/ Trail (if any):				Less wheel dia.				
	ii.	Deviations (if any):				NIL				

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ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

1.	SHELL No:	4014	DISPATCH DATE:			15.7.2014
2.	RAILWAY	ER	Type:	WGACCN	Coach No.:	14120
3.	Booked to	SSE/C&W/LILUAH				
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			4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN only)		
ii)	Maximum length over Body			21337 ± 10		
iii)	Maximum length over Buffer			22297 ± 15		
iv)	Maximum width over Body			3245 ± 5		
v)	Maximum width over Flasher light			3402 +0/-5		
vi)	Minimum height above rail level to the lowest fitting			181.5 mm (AE63143)		
vii)	Buffer/CBC Height	Specified : 1104 +0 /-10 mm		1104/1104	1095/1100	
viii)	Buffer/CBC (Make)			REPL		
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		APC	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 & SHIVALIK		
iv.	PVC			RESPONSIVE		
v.	FLOOR BOARD			NARBADA		
vi.	UIC VESTIBULE			KRP		
vii.	LAV. DOORS			SAVITRI		
viii.	LP SHEET			PUNJAB LAMINATES		
ix)	BIO- TOILET			OMAX		
10.	10.1	Modification/ Trial (if any):			NIL	
	10.2	Deviations (if any):			NIL	



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Shell No.: 4014

Dispatch Date: 01-04-2014

5.0. Details of Bogies:

Items	Alarm side				Non Alarm Side			
Bogie No	143124				143125			
Frame No.	UBLS-1015				UBLS-1000			
Axle No.	T-0133		S-6953		7273		RWF-92561	
Wheel Diameter	917.00	917.00	917.00	916.50	916.50	916.50	917.00	917.00
Wheel Disc No.	63123/0 6744	62840/1 0845	63193/0 6744	63276/0 6566	63148/ 06744	63209/0 6744	63308/0 6566	62822/1 8845
R.B. No.	B-1299	B-1292	B-1297	B-1284	B-1269	B-1293	B-1285	B-1283
R.B. Make	NBC		NBC		NBC		NBC	
Type	Direct Mounted Spherical Roller Bearing							

5.1 Traceability:

SNO	ITEM	PP Side Bogie	NPP side Bogie	Make
		Sr. nos.	Sr. nos.	
1	BRAKE CYLINDER NO	12321,13548	12273,12282	PEW
2	SECONDARY VERTICAL DAMPER	10377,10076	119766,120365	GAB,IAI

5.2 MODIFICATION (IF ANY):

5.3 DEVIATION (IF ANY):

WGACCN-4014