



ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

1.	SHELL No:	7008	DISPATCH DATE:			21.08.17	
2.	RAILWAY	NFR	Type:	WGACCN	Coach No.:	16116	
3.	Booked to	SSE/C&W/GHY					
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		
viii)	Buffer/CBC (Make)			SANROK			
ix)	Draw Gear (Make)						
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			ESCORT			
ii.	SEAT & BERTH			RCF MADE			
iii.	WATER TANKS			RAIL FAB (AUX),AMIT (U/S)			
iv.	PVC			RESPONSIVE			
v.	FLOOR BOARD			NARBADA			
vi.	UIC VESTIBULE			KRP			
vii.	LAV. DOORS			GANDHI			
viii.	LP SHEET			PUNJAB LAMINATE			
ix)	BIO- TOILET			OMAX AUTO LTD.			
10	10.1	Modification/ Trial (if any):			NIL		
.	10.2	Deviations (if any):			NIL		



रेल डिब्बा कारखाना
RAIL COACH FACTORY, KAPURTHALA

Bogie Pair ID: 173112125

11.	Bogie Details:	Shell No. 7008	Railway NFR	Type WGACCN	Coach No. 16116/C	Dispatch Date 21-AUG-17
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt "a"					
11.2	Wheel & Axle Details:					
i.	Bogie No.	173112			173125	
ii.	Frame No.	ECBT-17			ECBT-66	
iii.	Axle No.	481	M-9992	S-8807	S-8299	
iv.	Wheel Diameter	917.50	917.00	917.00	917.00	917.00
v.	Wheel Disc No.	19598-245	18393-313	20050-333	18314-330	19571-336
vi.	RB Nos	E2256	E2208	E1970	E1971	H0954
vii.	RB Make	NBC		NBC		NBC
viii.	RB Type	Direct Mounted Spherical Roller Bearing				
11.3	Items traceability:					
i.	Break Cylinder Make & No.	AJTECH-1634,1755			PEW-K12989,K12082	
ii.	Secondary shock Absorber Make & NO.	GABRIEL-9271,9254			GABRIEL-9253,9099	
11.4	i.	Modification/Trail (if any):		NIL		
	ii.	Deviations (if any):		NIL		



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1.	SHELL No:	7006	DISPATCH DATE:			16.08.17	
2.	RAILWAY	NFR	Type:	WGACCN	Coach No.:	16114	
3.	Booked to	SSE/C&W/GHY					
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	
	viii)	Buffer/CBC (Make)			SANROK		
	ix)	Draw Gear (Make)					
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		ESCORT			
	ii.	SEAT & BERTH		OVPL			
	iii.	WATER TANKS		RAIL FAB (AUX),AMIT (U/S)			
	iv.	PVC		RESPONSIVE			
	v.	FLOOR BOARD		NARBADA			
	vi.	UIC VESTIBULE		KRP			
	vii.	LAV. DOORS		GANDHI			
	viii.	LP SHEET		PUNJAB LAMINATE			
	ix)	BIO- TOILET		OMAX AUTO LTD.			
10	10.1	Modification/ Trial (if any):			NIL		
.	10.2	Deviations (if any):			NIL		



रेल डिब्बा कारखाना
RAIL COACH FACTORY, KAPURTHALA

Bogie Pair ID: 173140147

11. Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date
	7006	NFR	WGACCN	16114/C	16-AUG-17
11.1 BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt "a"					
11.2 Wheel & Axle Details:					
i.	Bogie No.	173140			173147
ii.	Frame No.	CRG-161			CRG-170
iii.	Axle No.	9773	M-9615	529	8742
iv.	Wheel Diameter	917.50	918.00	917.00	917.00
v.	Wheel Disc No.	19596-381	19557-379	18391-338	18170-214
vi.	RB Nos	L0008	L0040	J1779	J1767
vii.	RB Make	NBC		NBC	
viii.	RB Type	Direct Mounted Spherical Roller Bearing			
11.3 Items traceability:					
i.	Break Cylinder Make & No.	PEW-K12947,K12069		PEW-K12941,K966	
ii.	Secondary shock Absorber Make & NO.	GABRIEL-9086,8764		GABRIEL-9093,8766	
11.4 i.	Modification/Trail(if any):	NIL			
ii.	Deviations (if any):	NIL			



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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1.	SHELL No:	7009	DISPATCH DATE:			24.08.17	
2.	RAILWAY	NFR	Type:	WGACCN	Coach No.:	16117	
3.	Booked to	SSE/C&W/GHY					
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		
viii)	Buffer/CBC (Make)			SANROK			
ix)	Draw Gear (Make)						
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			ESCORT			
ii.	SEAT & BERTH			RCF MADE			
iii.	WATER TANKS			RAIL FAB (AUX),AMIT (U/S)			
iv.	PVC			RESPONSIVE			
v.	FLOOR BOARD			NARBADA			
vi.	UIC VESTIBULE			KRP			
vii.	LAV. DOORS			GANDHI			
viii.	LP SHEET			PUNJAB LAMINATE			
ix)	BIO- TOILET			OMAX AUTO LTD.			
10	10.1	Modification/ Trial (if any):			NIL		
.	10.2	Deviations (if any):			NIL		



रेल डिब्बा कारखाना
RAIL COACH FACTORY, KAPURTHALA

Bogie Pair ID: 173121134

11.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date	
		7009	NFR	WGACCN	16117/C	24-AUG-17	
11.1 BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt "a"							
11.2 Wheel & Axle Details:							
11.2	i.	Bogie No.	173121			173134	
	ii.	Frame No.	ECBT-21			ECBT-58	
	iii.	Axle No.	2117	553	J-9633		1487
	iv.	Wheel Diameter	917.00	917.00	918.00	918.00	917.00 917.00
	v.	Wheel Disc No.	19571-277	18412-206	19592-395	19540-328	18317-391 18411-297 19585-217 19604-231
	vi.	RB Nos	E1995	E1990	J1629	J1642	J1435 J1421 H0524 H0497
	vii.	RB Make	NBC		NBC		NBC
	viii.	RB Type	Direct Mounted Spherical Roller Bearing				
11.3 Items traceability:							
11.3	i.	Break Cylinder Make & No.	PEW-K13059,K13000			AJTECH-1669,1740	
	ii.	Secondary shock Absorber Make & NO.	GABRIEL-8761,9070			GABRIEL-9251,8763	
11.4	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:	7007	DISPATCH DATE:			17.08.17	
2.	RAILWAY	NFR	Type:	WGACCN	Coach No.:	16115	
3.	Booked to	SSE/C&W/GHY					
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	
	viii)	Buffer/CBC (Make)			SANROK		
	ix)	Draw Gear (Make)					
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		ESCORT			
	ii.	SEAT & BERTH		OVPL			
	iii.	WATER TANKS		RAIL FAB (AUX),AMIT (U/S)			
	iv.	PVC		RESPONSIVE			
	v.	FLOOR BOARD		NARBADA			
	vi.	UIC VESTIBULE		KRP			
	vii.	LAV. DOORS		GANDHI			
	viii.	LP SHEET		--			
	ix)	BIO- TOILET		OMAX AUTO LTD.			
10	10.1	Modification/ Trial (if any):			NIL		
.	10.2	Deviations (if any):			NIL		



रेल डिब्बा कारखाना
RAIL COACH FACTORY, KAPURTHALA

Bogie Pair ID: 173101156

11.	Bogie Details:	Shell No.	Railway		Type	Coach No.		Dispatch Date	
		7007	NFR		WGACCN	16115/C		17-AUG-17	
11.1 BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt "a"									
11.2 Wheel & Axle Details:									
i.	Bogie No.	173101				173156			
	Frame No.	UBLS-5434				ECBT-71			
	Axle No.	388		RWF-111959		7693		S-8417	
	Wheel Diameter	918.00	918.00	917.00	917.00	917.00	917.00	917.00	917.00
	Wheel Disc No.	19570-206	19589-337	18341-328	18418-223	18345-313	18400-388	18391-388	18116-334
	RB Nos	H0505	H0516	J1760	J1763	H0921	H0928	H0963	H0957
	RB Make	NBC		NBC		NBC		NBC	
	RB Type	Direct Mounted Spherical Roller Bearing							
11.3 Items traceability:									
i.	Break Cylinder Make & No.	AJTECH-1963,1896			AJTECH-1674,1742				
	Secondary shock Absorber Make & NO.	GABRIEL-8762,9258			GABRIEL-9268,9098				
11.4	i.	Modification/Trail(if any):		NIL					
	ii.	Deviations (if any):		NIL					

WGACCN-7007



ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

1.	SHELL No:	7005	DISPATCH DATE:			27.08.17	
2.	RAILWAY	NFR	Type:	WGACCN	Coach No.:	16124	
3.	Booked to	SSE/C&W/GHY					
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		1102	1100	
viii)	Buffer/CBC (Make)			SANROK			
ix)	Draw Gear (Make)						
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			ESCORT			
ii.	SEAT & BERTH			OVPL			
iii.	WATER TANKS			RAIL FAB (AUX),AMIT (U/S)			
iv.	PVC			RESPONSIVE			
v.	FLOOR BOARD			NARBADA			
vi.	UIC VESTIBULE			KRP			
vii.	LAV. DOORS			GANDHI			
viii.	LP SHEET			PUNJAB LAMINATE			
ix)	BIO- TOILET			OMAX AUTO LTD.			
10	10.1	Modification/ Trial (if any):			NIL		
.	10.2	Deviations (if any):			NIL		



रेल डिब्बा कारखाना
RAIL COACH FACTORY, KAPURTHALA

Bogie Pair ID: 173128132

11.	Bogie Details:	Shell No.	Railway		Type	Coach No.		Dispatch Date	
					WGACCN				
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt "a"								
11.2	Wheel & Axle Details:								
i.	Bogie No.	173128				173132			
ii.	Frame No.	ECBT-63				ECBT-70			
iii.	Axle No.	224		K-8246		9774		J-420	
iv.	Wheel Diameter	917.50	917.00	917.00	917.00	917.00	917.00	918.00	918.00
v.	Wheel Disc No.	19567-327	18258-313	18269-241	18370-336	18346-393	18412-310	19562-295	19573-322
vi.	RB Nos	J1253	J1269	J1753	J1731	J1277	J1291	J1430	J1428
vii.	RB Make	NBC		NBC		NBC		NBC	
viii.	RB Type	Direct Mounted Spherical Roller Bearing							
11.3	Items traceability:								
i.	Break Cylinder Make & No.	PEW-K12876,K13077			AJTECH-1601,1233				
ii.	Secondary shock Absorber Make & NO.	GABRIEL-9087,8961			GABRIEL-9089,8960				
11.4	i.	Modification/Trail(if any):		NIL					
	ii.	Deviations (if any):		NIL					



ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

1.	SHELL No:	7003	DISPATCH DATE:			21.08.17	
2.	RAILWAY	NFR	Type:	WGACCN	Coach No.:	16122	
3.	Booked to	SSE/C&W/GHY					
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	1102		
viii)	Buffer/CBC (Make)			SANROK			
ix)	Draw Gear (Make)						
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			KBI			
ii.	SEAT & BERTH			RCF MADE			
iii.	WATER TANKS			RAIL FAB (AUX),AMIT (U/S)			
iv.	PVC			RESPONSIVE			
v.	FLOOR BOARD			NARBADA			
vi.	UIC VESTIBULE			KRP			
vii.	LAV. DOORS			GANDHI			
viii.	LP SHEET			PUNJAB LAMINATE			
ix)	BIO- TOILET			OMAX AUTO LTD.			
10	10.1	Modification/ Trial (if any):		NIL			
.	10.2	Deviations (if any):		NIL			



रेल डिब्बा कारखाना
RAIL COACH FACTORY, KAPURTHALA

Bogie Pair ID: 173137146

11.	Bogie Details:	Shell No. 7003	Railway NFR	Type WGACCN	Coach No. 16122/C	Dispatch Date 21-AUG-17
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt "a"					
11.2	Wheel & Axle Details:					
i.	Bogie No.	173137			173146	
ii.	Frame No.	CRG-157			CRG-166	
iii.	Axle No.	552	550	431	9803	
iv.	Wheel Diameter	917.50	917.00	918.00	918.00	917.00
v.	Wheel Disc No.	19566-331	19906-215	19967-388	18413-315	19574-336
vi.	RB Nos	L0041	L0036	E2012	E2018	H0427
vii.	RB Make	NBC		NBC		NBC
viii.	RB Type	Direct Mounted Spherical Roller Bearing				
11.3	Items traceability:					
i.	Break Cylinder Make & No.	AJTECH-1754,1633			AJTECH-1640,1690	
ii.	Secondary shock Absorber Make & NO.	GABRIEL-9113,9110			GABRIEL-9108,9088	
11.4	i.	Modification/Trail (if any):		NIL		
	ii.	Deviations (if any):		NIL		



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

1.	SHELL No:	7011	DISPATCH DATE:			29.08.17	
2.	RAILWAY	NFR	Type:	WGACCN	Coach No.:	16118	
3.	Booked to	SSE/C&W/GHY					
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		1100	1098	
	viii)	Buffer/CBC (Make)			SANROK		
	ix)	Draw Gear (Make)					
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 ESCORT		
	ii.	SEAT & BERTH			SAVITRY		
	iii.	WATER TANKS			RAIL FAB (AUX),AMIT& SHIVALIK (U/S)		
	iv.	PVC			RESPONSIVE		
	v.	FLOOR BOARD			NARBADA		
	vi.	UIC VESTIBULE			KRP		
	vii.	LAV. DOORS			GANDHI		
	viii.	LP SHEET			PUNJAB LAMINATE		
	ix)	BIO- TOILET			OMAX AUTO LTD.		
10	10.1	Modification/ Trial (if any):			NIL		
.	10.2	Deviations (if any):			NIL		



रेल डिब्बा कारखाना
RAIL COACH FACTORY, KAPURTHALA

Bogie Pair ID: 173106153

11.	Bogie Details:	Shell No.	Railway		Type	Coach No.		Dispatch Date	
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt "a"								
11.2	Wheel & Axle Details:								
i.	Bogie No.	173106				173153			
ii.	Frame No.	UBLS-5468				CRG-174			
iii.	Axle No.	1740	V-2605		9326	5796			
iv.	Wheel Diameter	917.00	917.00	917.00	917.00	917.00	917.00	917.00	917.00
v.	Wheel Disc No.	18409-313	19596-237	18398-203	19573-248	19576-395	18391-313	19558-234	19542-378
vi.	RB Nos	E1996	E1997	H0964	H0958	E1863	H0956	E1837	E1856
vii.	RB Make	NBC		NBC		NBC		NBC	
viii.	RB Type	Direct Mounted Spherical Roller Bearing							
11.3	Items traceability:								
i.	Break Cylinder Make & No.	AJTECH-1966,1959			PEW-K12445,K13063				
ii.	Secondary shock Absorber Make & NO.	GABRIEL-9102,9095			GABRIEL-9272,9273				
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:	7013	DISPATCH DATE:			30.08.17	
2.	RAILWAY	NFR	Type:	WGACCN	Coach No.:	16119	
3.	Booked to	SSE/C&W/GHY					
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	
	viii)	Buffer/CBC (Make)			SANROK		
	ix)	Draw Gear (Make)					
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			RCF MADE		
	iii.	WATER TANKS			RAIL FAB (AUX),AMIT(U/S)		
	iv.	PVC			RESPONSIVE		
	v.	FLOOR BOARD			NARBADA		
	vi.	UIC VESTIBULE			KRP		
	vii.	LAV. DOORS			GANDHI		
	viii.	LP SHEET			PUNJAB LAMINATE		
	ix)	BIO- TOILET			MRC.		
10	10.1	Modification/ Trial (if any):			NIL		
.	10.2	Deviations (if any):			NIL		



रेल डिब्बा कारखाना
RAIL COACH FACTORY, KAPURTHALA

Bogie Pair ID: 173168169

11.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt "a"					
11.2	Wheel & Axle Details:					
i.	Bogie No.	173168			173169	
ii.	Frame No.	CRG-151			CRG-148	
iii.	Axle No.	3549	8610	5700	2235	
iv.	Wheel Diameter	917.00	917.00	917.00	917.00	917.00
v.	Wheel Disc No.	18402-313	19579-334	18412-385	19562-354	19603-226
vi.	RB Nos	E2103	E2264	E2074	E2261	H0945
vii.	RB Make	NBC		NBC		NBC
viii.	RB Type	Direct Mounted Spherical Roller Bearing				
11.3	Items traceability:					
i.	Break Cylinder Make & No.	PEW-K873,K754			PEW-K12872,K1304	
ii.	Secondary shock Absorber Make & NO.	GABRIEL-9239,8810			GABRIEL-9241,9235	
11.4	i. Modification/Trail(if any):					
	ii. Deviations (if any):					



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ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

1.	SHELL No:	7001	DISPATCH DATE:			08.08.17	
2.	RAILWAY	NFR	Type:	WGACCN	Coach No.:	16120	
3.	Booked to	SSE/C&W/GHY					
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	1102	1104		
	viii)	Buffer/CBC (Make)			SANROK 2017		
	ix)	Draw Gear (Make)					
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		ESCORT/KBI			
	ii.	SEAT & BERTH		OVPL			
	iii.	WATER TANKS		RAIL FAB (AUX),AMIT (U/S)			
	iv.	PVC		RESPONSIVE			
	v.	FLOOR BOARD		NARBADA			
	vi.	UIC VESTIBULE		KRP			
	vii.	LAV. DOORS		GANDHI			
	viii.	LP SHEET		PUNJAB LAMINATE			
	ix)	BIO- TOILET		OMAX AUTO LTD.			
10	10.1	Modification/ Trial (if any):			NIL		
.	10.2	Deviations (if any):			NIL		



रेल डिब्बा कारखाना
RAIL COACH FACTORY, KAPURTHALA

Bogie Pair ID: 173088089

11.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date			
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt "a"								
11.2	Wheel & Axle Details:								
i.	Bogie No.	173088			173089				
ii.	Frame No.	UBLS-5392			UBLS-5449				
iii.	Axle No.	8514	A-5624	K-8136	5833				
iv.	Wheel Diameter	917.00	917.00	917.00	917.00	917.00			
v.	Wheel Disc No.	18057-267	18350-283	18402-242	16745-393	18263-206	18358-319	18386-379	18407-324
vi.	RB Nos	H0523	H0501	H0514	H0527	H0513	H0538	H0506	H0525
vii.	RB Make	NBC		NBC		NBC		NBC	
viii.	RB Type	Direct Mounted Spherical Roller Bearing							
11.3	Items traceability:								
i.	Break Cylinder Make & No.	AJTECH-1233,1272			AJTECH-1722,1231				
ii.	Secondary shock Absorber Make & NO.	KNORR-14631,14627			KNORR-17594,14637				
11.4	i. Modification/Trail (if any):								
	ii. Deviations (if any):								



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ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

1.	SHELL No:	7004	DISPATCH DATE:			16.08.17	
2.	RAILWAY	NFR	Type:	WGACCN	Coach No.:	16123	
3.	Booked to	SSE/C&W/GHY					
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		
viii)	Buffer/CBC (Make)			SANROK			
ix)	Draw Gear (Make)						
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			ESCORT			
ii.	SEAT & BERTH			RCF MADE			
iii.	WATER TANKS			RAIL FAB (AUX),AMIT (U/S)			
iv.	PVC			RESPONSIVE			
v.	FLOOR BOARD			NARBADA			
vi.	UIC VESTIBULE			KRP			
vii.	LAV. DOORS			GANDHI			
viii.	LP SHEET			PUNJAB LAMINATE			
ix)	BIO- TOILET			OMAX AUTO LTD.			
10	10.1	Modification/ Trial (if any):			NIL		
.	10.2	Deviations (if any):			NIL		



रेल डिब्बा कारखाना
RAIL COACH FACTORY, KAPURTHALA

Bogie Pair ID: 173150151

11.	Bogie Details:	Shell No. 7004	Railway NFR	Type WGACCN	Coach No. 16123/C	Dispatch Date 16-AUG-17			
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt "a"								
11.2	Wheel & Axle Details:								
i.	Bogie No.	173150			173151				
ii.	Frame No.	CRG-172			CRG-147				
iii.	Axle No.	8549	K-4868		K-7798	8924			
iv.	Wheel Diameter	917.00	917.00	917.00	917.00	917.00			
v.	Wheel Disc No.	18402-396	19997-245	18422-295	18391-234	19817-204	22078-220	18285-396	18406-337
vi.	RB Nos	J1264	J1279	J1734	J1759	J1700	J1709	J1746	J1749
vii.	RB Make	NBC		NBC		NBC		NBC	
viii.	RB Type	Direct Mounted Spherical Roller Bearing							
11.3	Items traceability:								
i.	Break Cylinder Make & No.	AJTECH-1746,1745			PEW-K851,K871				
ii.	Secondary shock Absorber Make & NO.	GABRIEL-9195,9084			GABRIEL-9090,8765				
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:	7002	DISPATCH DATE:			09.08.17	
2.	RAILWAY	NFR	Type:	WGACCN	Coach No.:	16121	
3.	Booked to	SSE/C&W/GHY					
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	1100	1098		
	viii)	Buffer/CBC (Make)		SANROK			
	ix)	Draw Gear (Make)					
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		ESCORT			
	ii.	SEAT & BERTH		OVPL			
	iii.	WATER TANKS		RAIL FAB (AUX),AMIT (U/S)			
	iv.	PVC		RESPONSIVE			
	v.	FLOOR BOARD		NARBADA			
	vi.	UIC VESTIBULE		KRP			
	vii.	LAV. DOORS		GANDHI			
	viii.	LP SHEET		PUNJAB LAMINATE			
	ix)	BIO- TOILET		OMAX AUTO LTD.			
10	10.1	Modification/ Trial (if any):		NIL			
.	10.2	Deviations (if any):		NIL			



रेल डिब्बा कारखाना
RAIL COACH FACTORY, KAPURTHALA

Bogie Pair ID: 173109143

11. Bogie Details:	Shell No.	Railway		Type	Coach No.	Dispatch Date				
	7002	NFR		WGACCN	16121/C	09-AUG-17				
11.1 BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt "a"										
11.2 Wheel & Axle Details:										
i.	Bogie No.	173109				173143				
ii.	Frame No.	ECBT-31				CRG-153				
iii.	Axle No.	451	4858		9230	9299				
iv.	Wheel Diameter	917.00	917.00	917.50	917.00	917.00	917.00	917.50	917.00	
v.	Wheel Disc No.	19598-247	19546-321	18341-390	18389-279	19567-222	19589-231	18403-220	18396-272	
vi.	RB Nos	J1404	H1142	E2248	E2244	J1402	H1188	E1898	E1897	
vii.	RB Make	NBC		NBC		NBC		NBC		
viii.	RB Type	Direct Mounted Spherical Roller Bearing								
11.3 Items traceability:										
i.	Break Cylinder Make & No.	AJTECH-1986,1710			PEW-K12064,K12061					
ii.	Secondary shock Absorber Make & NO.	KNORR-17652,19119			GABRIEL-9220,9107					
11.4	i.	Modification/Trail (if any):			NIL					
	ii.	Deviations (if any):			NIL					

WGACCN-7002