



ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;
Version: 05

1.	SHELL No:	6086	DISPATCH DATE:			18.02.2017	
2.	RAILWAY	NFR	Type:	WGACCN	Coach No.:	16110	
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	1100/1100		
viii)	Buffer/CBC (Make)			HEPL			
ix)	Draw Gear (Make)			EMSON			
7.	Air Brake Testing:						
	Description			Specified			
7.1	Emergency Application	Time for 0 to 3.6 Kg/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	85/86		
8.2	APPLICATION OF PCN-123		SATISFACTORY				
8.3	INSUALTION		SATISFACTORY				
9.	Traceability of Furnishing Items:			Make			
i.	BRAKE EQUIPMENT			KBI			
ii.	SEAT & BERTH			SAVITRI			
iii.	WATER TANKS			MANOJ(AUX),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			



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11.	Bogie Details:	Shell No.	Railway		Type		Coach No.		Dispatch Date
		6086	NFR		WGACCN		16110		01-02-2017
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'								
11.2	Wheel & Axle Details:	PP Side				NPP Side			
	i. Bogie No.	173020				173021			
	ii. Frame No.	UBLS-5417				UBLS-5440			
	iii. Axle No.	8261		8763		S-8929		8262	
	iv. Wheel Diameter	917.00	917.00	917.00	917.00	916.00	916.00	917.00	917.00
	v. Wheel Disc No.	19541/287	22056/323	19835/387	20105/325	19951/214	19707/389	20119/218	20050/210
	vi. R.B. Nos.	K0112	K0131	K0119	K0162	J0045	J0007	K0153	K0123
	vii. R.B. Make	NBC		NBC		NBC		NBC	
	viii. R.B. Type	Direct Mounted Spherical Roller Bearing							
11.3	<u>Items Traceability:</u>				PP SIDE		NPP SIDE		
	i.	BRAKE CYLINDER Make & NO.			PEW-E00210,E0023		PEW-K8441,K8875		
	ii.	SECONDARY Shock Absorber Make &NO.			GABRIEL-1763,1805		GABRIEL-1650,1660		
11.4	i.	Modification/ Trail (if any):			NIL				
	ii.	Deviations (if any):			NIL				



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1.	SHELL No:	6078	DISPATCH DATE:			14.02.2017	
2.	RAILWAY	NFR	Type:	WGACCN	Coach No.:	16107	
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		1102/1098	1104/1103		
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		NEROLACK	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			MANOJ(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			RAILTECH			
10.	10.1	Modification/ Trial (if any):		NIL			
	10.2	Deviations (if any):		NIL			



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11.	Bogie Details:	Shell No.	Railway		Type		Coach No.		Dispatch Date		
		6078	NFR		WGACCN		16107		21-01-2017		
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'										
11.2	Wheel & Axle Details:	PP Side				NPP Side					
	i. Bogie No.	173007				173008					
	ii. Frame No.	UBLS-5414				UBLS-5384					
	iii. Axle No.	S-8821		N-8300		4289		P-3504			
	iv. Wheel Diameter	916.00	916.50	917.00	917.00	917.00	917.00	916.00	916.50		
	v. Wheel Disc No.	19558/338	19566/205	19845/356	20021/396	19607/267	19842/205	19820/279	19693/371		
	vi. R.B. Nos.	K0231	K0244	K0446	K0453	H2975	K0469	K0266	K0236		
	vii. R.B. Make	NBC		NBC		NBC		NBC			
	viii. R.B. Type	Direct Mounted Spherical Roller Bearing									
11.3	<u>Items Traceability:</u>				PP SIDE			NPP SIDE			
	i.	BRAKE CYLINDER Make & NO.				PEW-10123,10028			PEW-10163,10098		
	ii.	SECONDARY Shock Absorber Make &NO.				GABRIEL-1845,2105			GABRIEL-1583,1521		
11.4	i.	Modification/ Trail (if any):				NIL					
	ii.	Deviations (if any):				NIL					



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1.	SHELL No:	6083	DISPATCH DATE:			16.02.2017	
2.	RAILWAY	NFR	Type:	WGACCN	Coach No.:	16106	
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	1104/1104		
viii)	Buffer/CBC (Make)			ATUL			
ix)	Draw Gear (Make)			RK			
7.	Air Brake Testing:						
	Description			Specified			
7.1	Emergency Application	Time for 0 to 3.6 Kg/cm2 of BC		Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type)			
		Brake release time to reach .4 Kg/cm2		Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type)			
7.2	Insensitivity	BP dipped @ 0.30 Kg/cm2 n 60 sec		No brake application			
7.3	Sensitivity	BP dipped @ 0.60 Kg/cm2 in 6 sec		Brakes "ON"			
7.4	Passenger alarm by pulling chain		BP Blasts out, Brakes "ON"				
7.5	Piston stroke for BMBC type coach only		19 +10/-0 mm (NAC)				
8.	PAINTING DEATAILS:						
		TYPE OF PAINT		MAKE	AVERAGE GLOSS VALUE		
8.1	PAINT	PU PAINT		GS	85/86		
8.2	APPLICATION OF PCN-123		SATISFACTORY				
8.3	INSUALTION		SATISFACTORY				
9.	Traceability of Furnishing Items:			Make			
i.	BRAKE EQUIPMENT			KBI			
ii.	SEAT & BERTH			RCF MADE			
iii.	WATER TANKS			AMIT(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			



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11.	Bogie Details:	Shell No.	Railway		Type		Coach No.		Dispatch Date
		6083	NFR		WGACCN		16106		03-02-2017
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'								
11.2	Wheel & Axle Details:	PP Side				NPP Side			
	i. Bogie No.	173022				173023			
	ii. Frame No.	UBLS-5393				UBLS-5402			
	iii. Axle No.	8279		8042		5471		4584	
	iv. Wheel Diameter	917.00	917.00	917.00	917.00	917.00	917.00	917.00	917.00
	v. Wheel Disc No.	20151/3 13	20124/3 97	19585/3 17	20716/3 49	20015/3 99	20078/3 27	20066/3 80	20040/322
	vi. R.B. Nos.	K0365	K0356	K0126	K0127	L0119	G0331	L0138	L0161
	vii. R.B. Make	NBC		NBC		NBC		NBC	
	viii. R.B. Type	Direct Mounted Spherical Roller Bearing							
11.3	<u>Items Traceability:</u>				PP SIDE		NPP SIDE		
	i.	BRAKE CYLINDER Make & NO.			PEW-8100,0133		PEW-0075,00214		
	ii.	SECONDARY Shock Absorber Make &NO.			ESCORT-5868,5633		ESCORT-5740,5753		
11.4	i.	Modification/ Trail (if any):			NIL				
	ii.	Deviations (if any):			NIL				



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Version: 05

1.	SHELL No:	6080	DISPATCH DATE:			28.02.2017
2.	RAILWAY	NFR	Type:	WGACCN	Coach No.:	16109
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					
ii)	Maximum length over Body					
iii)	Maximum length over Buffer					
iv)	Maximum width over Body					
v)	Maximum width over Flasher light					
vi)	Minimum height above rail level to the lowest fitting					
vii)	Buffer/CBC Height	Specified : 1104 +0 /-10 mm	1104/1104	1104/1104		
viii)	Buffer/CBC (Make)			ESCORTS		
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			GS	85/85	
8.2	APPLICATION OF PCN-123					
8.3	INSUALTION					
9.	Traceability of Furnishing Items:			Make		
i.	BRAKE EQUIPMENT			KBI		
ii.	SEAT & BERTH			OVPL		
iii.	WATER TANKS			AMIT		
iv.	PVC			RESPONSIVE		
v.	FLOOR BOARD			NARBADA		
vi.	UIC VESTIBULE			SSIPL		
vii.	LAV. DOORS			GANDHI		
viii.	LP SHEET			--		
ix)	BIO- TOILET			OMAX		
10	10.1	Modification/ Trial (if any):				
.	10.2	Deviations (if any):				



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11.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date			
		6080	NFR	WGACCN	16109	31-12-2016			
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'								
11.2	Wheel & Axle Details:	PP Side				NPP Side			
	i. Bogie No.	163289				163314			
	ii. Frame No.	UBLS-5357				UBLS-5409			
	iii. Axle No.	RWF-113093		M-19721/396		M-9986		3961	
	iv. Wheel Diameter	917.00	917.00	917.00	917.00	917.00	917.00	917.00	917.00
	v. Wheel Disc No.	19761/278	19583/287	20159/242	19721/396	14029/310	19745/382	19906/388	20067/378
	vi. R.B. Nos.	K0200	K0204	K0185	K0203	K0173	K0182	K0193	K0192
	vii. R.B. Make	NBC		NBC		NBC		NBC	
	viii. R.B. Type	Direct Mounted Spherical Roller Bearing							
11.3	<u>Items Traceability:</u>				PP SIDE		NPP SIDE		
	i.	BRAKE CYLINDER Make & NO.			PEW-K1892,4541			AJTECH-1308,1293	
	ii.	SECONDARY Shock Absorber Make &NO.			GABRIEL-4206,4591			GABRIEL-2181,2177	
11.4	i.	Modification/ Trail (if any):			NIL				
	ii.	Deviations (if any):			NIL				



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Version: 05

1.	SHELL No:	6084	DISPATCH DATE:			01.03.2017		
2.	RAILWAY	NFR	Type:	WGACCN	Coach No.:	16108		
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							
ii)	Maximum length over Body							
iii)	Maximum length over Buffer							
iv)	Maximum width over Body							
v)	Maximum width over Flasher light							
vi)	Minimum height above rail level to the lowest fitting							
vii)	Buffer/CBC Height	Specified : 1104 +0 /-10 mm		1104/1100	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			GS	85/85			
8.2	APPLICATION OF PCN-123							
8.3	INSUALTION							
9.	Traceability of Furnishing Items:			Make				
i.	BRAKE EQUIPMENT			KBI				
ii.	SEAT & BERTH			SAVITRI				
iii.	WATER TANKS			MANOJ, SHIVALIK				
iv.	PVC			RESPONSIVE				
v.	FLOOR BOARD			NARBADA				
vi.	UIC VESTIBULE			KRP				
vii.	LAV. DOORS			GANDHI				
viii.	LP SHEET			PL				
ix)	BIO- TOILET			OMAX				
10	10.1	Modification/ Trial (if any):						
.	10.2	Deviations (if any):						



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11.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date				
		6084	NFR	WGACCN	16108	28-01-2017				
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
11.2	Wheel & Axle Details:	PP Side				NPP Side				
	i.	Bogie No.	173014				173015			
	ii.	Frame No.	UBLS-5431				UBLS-5416			
	iii.	Axle No.	S-7994		7373		8759		S-8291	
	iv.	Wheel Diameter	916.00	916.00	916.00	916.00	918.00	918.00	917.00	917.00
	v.	Wheel Disc No.	19752/ 243	19550/ 281	19931/ 395	20029/ 331	18137/ 230	19723/ 387	19803/ 333	19786/39 6
	vi.	R.B. Nos.	J0017	J0048	J0079	J0077	K0547	K0592	K0454	K0416
	vii.	R.B. Make	NBC		NBC		NBC		NBC	
	viii.	R.B. Type	Direct Mounted Spherical Roller Bearing							
11.3	Items Traceability:				PP SIDE		NPP SIDE			
	i.	BRAKE CYLINDER Make & NO.				PEW-10022,9984		PEW-9978,10099		
	ii.	SECONDARY Shock Absorber Make &NO.				GABRIEL-1637,2064		GABRIEL-2067,1696		
11.4	i.	Modification/ Trail (if any):				NIL				
	ii.	Deviations (if any):				NIL				

WGACCN-6084