



ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

1.	SHELL No:	7005	DISPATCH DATE:			21/06/2017	
2.	RAILWAY	NFR	Type:	MWACCN	Coach No.:	M-10065/NF/15145	
3.	Booked to	SSE/C&W/NARENGI					
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	1100/1104	1104/1104		
	viii)	Buffer/CBC (Make)	JLS				
	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:						
	i.	BRAKE EQUIPMENT	Make KBI				
	ii.	SEAT & BERTH	SAVITRY ENGINEERS				
	iii.	WATER TANKS	SHIVALIK (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				



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11.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date				
		7005	NFR	WGACCN	M-10065/NF/15145	22-02-2017				
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
11.2	Wheel & Axle Details:	PP Side				NPP Side				
	i. Bogie No.	173038				173039				
	ii. Frame No.	ECBT-35				ECBT-30				
	iii. Axle No.	8539		9028		9004		5537		
	iv. Wheel Diameter	917.50	917.00	917.00	917.50	917.00	917.00	917.00	917.00	
	v. Wheel Disc No.	19736/329	08860/290	18610/235	19943/223	20036/255	19653/380	20119/345	20130/393	
	vi. R.B. Nos.	J4329	J4308	F3623	F3638	K0255	K0241	J4330	F3671	
	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-12294,12124		PEW-12284,12230		
	ii.	SECONDARY Shock Absorber Make &NO.				GABRIEL-2080,1488		GABRIEL-1926,2083		
11.4	i.	Modification/ Trail (if any):				NIL				
	ii.	Deviations (if any):				NIL				

MWACCN-7005



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Form No. : QMF4254; Version: 05

1.	SHELL No:	7008	DISPATCH DATE:			21/06/2017	
2.	RAILWAY	NFR	Type:	MWACCN	Coach No.:	M-10068/NF/15148	
3.	Booked to	SSE/C&W/NARENGI					
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)	JLS				
	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:						
	i.	BRAKE EQUIPMENT	Make KBI				
	ii.	SEAT & BERTH	SAVITRY ENGINEERS				
	iii.	WATER TANKS	SHIVALIK (AUX),AMIT& (U/S)				
	iv.	PVC	RESPONSIVE				
	v.	FLOOR BOARD	NARBADA				
	vi.	UIC VESTIBULE	ELASTOMER				
	vii.	LAV. DOORS	GANDHI				
	viii.	LP SHEET	PUNJAB LAMINATE				
	ix)	BIO- TOILET	RAIL TECH+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		
		7008	NFR		WGACCN		M-10068/NF/15148		20-04-2017		
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'										
11.2	Wheel & Axle Details:	PP Side				NPP Side					
	i.	Bogie No.	173068				173073				
	ii.	Frame No.	ECBT-22				ECBT-20				
	iii.	Axle No.	W-2255		V-1516		2550		V-6861		
	iv.	Wheel Diameter	918.00	918.00	918.00	918.00	918.00	918.00	918.00	918.00	
	v.	Wheel Disc No.	19539/234	20124/318	21438/271	20087/278	20153/222	20158/265	20002/339	20151/354	
	vi.	R.B. Nos.	U2587	U2439	S0325	S0363	U2505	U2492	S0518	S0374	
	vii.	R.B. Make	FAG		FAG		FAG		FAG		
	viii.	R.B. Type	Direct Mounted Spherical Roller Bearing								
11.3	<u>Items Traceability:</u>				PP SIDE			NPP SIDE			
	i.	BRAKE CYLINDER Make & NO.				AJT-K11629,K11531			AJT-1862,1357		
	ii.	SECONDARY Shock Absorber Make &NO.				K/B-14726,14433			K/B-14710,14658		
11.4	i.	Modification/ Trail (if any):				NIL					
	ii.	Deviations (if any):				NIL					



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1.	SHELL No:	7007	DISPATCH DATE:			21/06/2017	
2.	RAILWAY	NFR	Type:	MWACCN	Coach No.:	M-10067/NF/15147	
3.	Booked to	SSE/C&W/NARENGI					
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	1100/1104	1104/1104		
	viii)	Buffer/CBC (Make)	JLS				
	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:						
	i.	BRAKE EQUIPMENT	Make			KBI	
	ii.	SEAT & BERTH	SAVITRY ENGINEERS				
	iii.	WATER TANKS	SHIVALIK (AUX),AMIT& (U/S)				
	iv.	PVC	RESPONSIVE				
	v.	FLOOR BOARD	NARBADA				
	vi.	UIC VESTIBULE	ELASTOMER				
	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				
		7007	NFR	WGACCN	M-10067/NF/15147	07-03-2017				
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
11.2	Wheel & Axle Details:	PP Side				NPP Side				
	i. Bogie No.	173055				173058				
	ii. Frame No.	ECBT-33				ECBT-32				
	iii. Axle No.	7090		8329		8587		9032		
	iv. Wheel Diameter	918.00	918.00	918.00	918.00	918.00	918.00	918.00	918.00	
	v. Wheel Disc No.	19558/325	20152/206	20114/316	19726/315	19840/207	20115/356	18309/337	19312/297	
	vi. R.B. Nos.	J4372	G0151	J4393	J4389	J4378	J4391	H0281	H0297	
	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-12246,12261		PEW-12176,12131		
	ii.	SECONDARY Shock Absorber Make &NO.				GABRIEL-1571,1577		GABRIEL-1701,1574		
11.4	i.	Modification/ Trail (if any):				NIL				
	ii.	Deviations (if any):				NIL				

MWACCN-7007



ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

1.	SHELL No:	7006	DISPATCH DATE:		21/06/2017
2.	RAILWAY	NFR	Type:	MWACCN	Coach No.: M-10066/NF/15146
3.	Booked to	SSE/C&W/NARENGI			
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)		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	85/85	
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		SHIVALIK (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		



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11.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date				
		7006	NFR	WGACCN	M-10066/NF/15146	04-04-2017				
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
11.2	Wheel & Axle Details:	PP Side				NPP Side				
	i. Bogie No.	173066				173065				
	ii. Frame No.	ECBT-10				ECBT-12				
	iii. Axle No.	5823		RWF-86228		V-6443		K-5345		
	iv. Wheel Diameter	918.00	918.00	918.00	918.00	917.00	917.00	917.00	917.00	
	v. Wheel Disc No.	18132/210	20002/347	19656/295	18364/316	20112/391	20103/326	18310/378	18206/287	
	vi. R.B. Nos.	H2994	H3001	S0450	S0539	S0679	S0616	S0667	S0666	
	vii. R.B. Make	NBC		FAG		FAG		FAG		
	viii. R.B. Type	Direct Mounted Spherical Roller Bearing								
11.3	<u>Items Traceability:</u>				PP SIDE		NPP SIDE			
	i.	BRAKE CYLINDER Make & NO.				PEW-K11770,K11680		PEW-K11536,K11685		
	ii.	SECONDARY Shock Absorber Make &NO.				K/B-14539,14703		K/B-14713,14771		
11.4	i.	Modification/ Trail (if any):				NIL				
	ii.	Deviations (if any):				NIL				

MWACCN-7006



ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

1.	SHELL No:	7004	DISPATCH DATE:			21/06/2017	
2.	RAILWAY	NFR	Type:	MWACCN	Coach No.:	M-10064/NF/15144	
3.	Booked to	SSE/C&W/NARENGI					
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)	JLS,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:						
	i.	BRAKE EQUIPMENT	KBI				
	ii.	SEAT & BERTH	SAVITRY ENGINEERS				
	iii.	WATER TANKS	SHIVALIK (AUX),AMIT& (U/S)				
	iv.	PVC	RESPONSIVE				
	v.	FLOOR BOARD	NARBADA				
	vi.	UIC VESTIBULE	ELASTOMAR				
	vii.	LAV. DOORS	GANDHI				
	viii.	LP SHEET	PUNJAB LAMINATE				
	ix)	BIO- TOILET	RAIL TECH+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		
		7004	NF		WGACCN	M-10064/15144		23-02-2017		
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
11.2	Wheel & Axle Details:	PP Side				NPP Side				
	i. Bogie No.	173037				173040				
	ii. Frame No.	UBLS-5425				ECBT-34				
	iii. Axle No.	8310		F-5900		8597		S-8252		
	iv. Wheel Diameter	917.50	917.00	917.00	917.00	916.00	916.00	916.00	916.00	
	v. Wheel Disc No.	18134/222	19862/322	18388/332	20078/206	13926/389	18031/394	19582/389	20086/380	
	vi. R.B. Nos.	L0362	L0365	F3674	J4310	H2936	J0033	K0369	K0346	
	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-E12115,E12147		PEW-E12249,E12201			
	ii.	SECONDARY Shock Absorber Make &NO.			GABRIEL-2081,8085		GABRIEL-2082,2089			
11.4	i.	Modification/ Trail (if any):			NIL					
	ii.	Deviations (if any):			NIL					

MWACCN-7004



ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

1.	SHELL No:	7002	DISPATCH DATE:			21/06/2017	
2.	RAILWAY	NFR	Type:	MWACCN	Coach No.:	M-10062/NF/15142	
3.	Booked to	SSE/C&W/NARENGI					
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	1100/1100	1104/1104		
	viii)	Buffer/CBC (Make)	JLS				
	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	GS	85/85		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:						
	i.	BRAKE EQUIPMENT	Make KBI				
	ii.	SEAT & BERTH	SAVITRY ENGINEERS				
	iii.	WATER TANKS	SHIVALIK (AUX),AMIT& (U/S)				
	iv.	PVC	RESPONSIVE				
	v.	FLOOR BOARD	NARBADA				
	vi.	UIC VESTIBULE	KRP				
	vii.	LAV. DOORS	GANDHI				
	viii.	LP SHEET	SHINE				
	ix.	BIO- TOILET	RAIL TECH+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	
		7002	NFR		WGACCN		M-10062/NF/15142		31-03-2017	
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
11.2	Wheel & Axle Details:	PP Side				NPP Side				
	i. Bogie No.	173063				173064				
	ii. Frame No.	ECBT-37				ECBT-47				
	iii. Axle No.	8327		9111		4250		S-8240		
	iv. Wheel Diameter	918.00	918.00	918.00	918.00	917.00	917.00	918.00	918.00	
	v. Wheel Disc No.	18137/286	18138/220	21155/327	19561/238	20093/322	20071/225	18336/321	20968/234	
	vi. R.B. Nos.	H2999	H2996	K0427	K0421	S0024	S0011	S0754	S0699	
	vii. R.B. Make	NBC		NBC		FAG		FAG		
	viii. R.B. Type	Direct Mounted Spherical Roller Bearing								
11.3	<u>Items Traceability:</u>				PP SIDE		NPP SIDE			
	i.	BRAKE CYLINDER Make & NO.				PEW-K11735,K11727		PEW-K11590,K11554		
	ii.	SECONDARY Shock Absorber Make &NO.				K/B-14472,14565		K/B-14523,14476		
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:	7003	DISPATCH DATE:			21/06/2017
2.	RAILWAY	NFR	Type:	MWACCN	Coach No.:	M-10063/NF/15143
3.	Booked to	SSE/C&W/NARENGI				
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		1095/1102	1104/1104
	viii)	Buffer/CBC (Make)			JLS,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		KBI		
	ii.	SEAT & BERTH		SAVITRY ENGINEERS		
	iii.	WATER TANKS		SHIVALIK (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	



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11.	Bogie Details:	Shell No.		Railway		Type		Coach No.		Dispatch Date	
		7003		NFR		WGACCN		M-10063/NF/15143		13-04-2017	
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'										
11.2	Wheel & Axle Details:		PP Side				NPP Side				
	i.	Bogie No.	173070				173072				
	ii.	Frame No.	UBLS-5447				ECBT-46				
	iii.	Axle No.	8579		8515		8266		02172		
	iv.	Wheel Diameter	918.00	918.00	917.00	917.00	918.00	918.00	918.00	917.50	
	v.	Wheel Disc No.	20159/349	18347/321	1 9977/324	18349/287	20097/321	20050/386	19661/380	19547/281	
	vi.	R.B. Nos.	T2489	S0066	S0043	S0081	S0693	S0763	S0091	T2527	
	vii.	R.B. Make	FAG		FAG		FAG		FAG		
	viii.	R.B. Type	Direct Mounted Spherical Roller Bearing								
11.3	Items Traceability:					PP SIDE			NPP SIDE		
	i.	BRAKE CYLINDER Make & NO.				PEW-K11670,K11687			PEW-11720,11780		
	ii.	SECONDARY Shock Absorber Make &NO.				K/B-14498,14506			K/B-14646,14511		
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:	7001	DISPATCH DATE:			21/06/2017
2.	RAILWAY	NFR	Type:	MWACCN	Coach No.:	M-10061/NF/15141
3.	Booked to		SSE/C&W/NARENGI			
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)			JLS	
	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			KBI	
	ii.	SEAT & BERTH			SAVITRY ENGINEERS	
	iii.	WATER TANKS			SHIVALIK (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			RAIL TECH+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				
		7001	NFR	MWGACCN	M-10061/NF/15141	30-03-2017				
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
11.2	Wheel & Axle Details:	PP Side				NPP Side				
	i. Bogie No.	173061				173062				
	ii. Frame No.	ECBT-13				ECBT-26				
	iii. Axle No.	V-2939		8984		5757		J-3082		
	iv. Wheel Diameter	917.50	918.00	916.00	916.50	918.00	918.00	918.00	917.50	
	v. Wheel Disc No.	19841/265	19836/316	19840/398	20115/325	20067/321	19559/281	18141/297	18142/316	
	vi. R.B. Nos.	F3442	F3407	F3277	F3295	F3285	F3265	F3455	F3434	
	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-K11599,11630		PEW-K11953,K11644		
	ii.	SECONDARY Shock Absorber Make &NO.				K/B-14528,14547		K/B-14423,14430		
11.4	i.	Modification/ Trail (if any):				NIL				
	ii.	Deviations (if any):				NIL				

Maccn -7001