



भारतीय रेलवे कारखाना
RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (NON-LHB)

(FORM NO. QMF 4254 VER.1.00)

1.	SHELL NO 8373	BOGIE NO	194119 / 194120	DISPATCH DATE	08-MAR-19
2.	RAILWAY CR	TYPE OF COACH	MEMUTC AS	COACH NO	198202
3.	BOOKED TO	SSE/C&W/CST/M			
4.	Tare Weight of Coach	33.15			
5.	Carrying Capacity	Seating	80	Sleeping	NIL
				Luggage	NIL
6.	6.1 Leading Dimensions:				
	i)	Maximum height above rail to top of roof ventilator	4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN)		
	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 lighth	3402 +0/-5		
	vi)	CBC/Shaku Coupler Height	Specified: 1104 +0/-10 mm (1035 +0/-5 mm for shaku coup	1034	1035
	vii)	CBC/Shaku Coupler (Make)	SANROK		SANROK
	viii)	Buffer Make			
7.	Air Brake Testing:				
	Description			Specified	
	7.1	Emergency Application	Time for 0 to 36 Kg/cm2 of BC	Less than 05 Sec	
			Brake release time to reach 0.4 Kg/cm2	Less than 20 Sec	
	7.2	Insensitivity	BP dipped @ 0.30 Kg/cm2 in 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		
8.	Painting Details:				
			Type of Paint	Make	Average Gloss Value
	8.1	Paint	PU PAINT	DEB PAINT	87 / 86
	8.2	Application of PCN-123	SATISFACTORY		
	8.3	Insulation	SATISFACTORY		
9.	Traceability of Furnishing Items:				
	1	EP BRAK / BRAKE EQUIPMENT	KBI		
	2	FLOOR BOARD	ENGWOOD		
	3	PVC	RESPONSIVE		
	4	UIC VESTIBULES	ELASTOMER		
	5	WATER TANKS	RUBICONE		
	6	SEAT & BEARTH	AAR KAY FOAM		
	7	BIO-TOILET	PD STEEL, PD STEEL		
	8	LAVATORY DOORS	TWPL		
10.	10.1	Modification/ Trial (If any): NIL			
	10.2	Deviations (If any): NIL			



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RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (NON-LHB)

QMF 9828, VER:1.00

11.	Bogie Details:		Shell No.	Railway		Type		Coach No.		Dispatch Date	
			8373	CR		MEMUTC AS		198202		08-MAR-19	
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt "a"										
11.2	Wheel & Axle Details:										
	i.	Bogie No.	194119				194120				
	ii.	Frame No.	ASR-94				KE-218				
	iii.	Bolster No.	ECBT-4119				ECBT-4120				
	iv.	Axle No.	SAIL-2646		SAIL-3102		SAIL-4942		SAIL-3849		
	v.	Wheel Diameter	954.50	954.50	953.00	953.00	953.00	953.00	953.00	953.00	
		Wheel	28975-	28976-	29002-	27500-	28975-	27534-	27196-	27449-	
	vi.	Disc No.	950-RWF	915-RWF	955-RWF	912-RWF	902-RWF	923-RWF	947-RWF	905-RWF	
	vii.	RB Nos	F2526	F2620	F2632	F2635	F2604	F2595	F2591	F2579	
	viii.	RB Make	NBC		NBC		NBC		NBC		
ix.	RB Type	Direct Mounted Spherical Roller Bearing									
11.3	Items traceability:										
	i.	Brake Cylinder Make & No.			PEW-K8230,K5227			PEW-K8160,K8108			
	ii.	Secondary shock Absorber Make & NO.			IAI-233454,233538			IAI-233419,233608			
	iii.	Lateral Shock Absorber Make & NO.			IAI-233758,233790			IAI-233792,233949			
	iv.	Air Spring Make & NO.			RESISTO-4978,5089			RESISTO-5092,5225			
11.4	i.	Modification/Trail(if any):			FIBA PNEUMATIC PIPING ARRGT. PROVIDED.						
	ii.	Deviations (if any):			NIL						

MEMUTC AS - 8373



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RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (NON-LHB)



आराम पाले
RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (NON-LHB)

FOR ELECTRICAL ITEMS				
ROLLING STOCK CERTIFICATE OF				
MEMU/TC WITH AIR APRING COACH MEMU/TC WITH AIR SPRING COACH				
TYPE OF COACH : MEMUTASP		Shell No : 8373	COACH_NO :	198202
RAILWAY : CR		COUPLING TYPE : NONCBC	DATE OF FITMENT:	05-MAR-19
S.No PL No & Item Description		Drawing No	Make	Item Sr.No.(if any)
Group Name NO GROUP DEFINED				
1	42010068-0, 5PIN PANEL MOUNTED SOCKET RATED 30A,415V	2417B OF M/S BCH or equivalent approved make.	BCH MAKE	BCH
Group Name INTERVEHICLE COUPLER SET				
2	45138977-1, IVC PLUG (MALE COUPLER) ON STATION SIDE END WALL	EDML006,REV-C,AM-I,COR-1.	MAA LAXMI INDUSTRIES	NIL
3	45138977-2, IVC SOCKET(FEMALE COUPLER) ON MRS SIDE END WALL	EDML006,REV-C,AM-I,COR-1.	MAA LAXMI INDUSTRIES	NIL
4	45138977-3, DUMMY SOCKETS FOR MALE COUPLERS ON STATION SIDE	EDML006,REV-C,AM-I,COR-1.	MAA LAXMI INDUSTRIES	NIL
Group Name DRIVING END				
5	31750564-0, SET OF TERMINAL BOARD (END WALL)	EM75005,ALT-e.	NEC SW. GEARS & CONTROLS	2018-08-4243
6	31757017-0, MCB PANEL ARRANGEMENT ON END CONSTRUCTION as per Drg.No. ET75005,ALT-'D'.	ET75005,ALT-'D'	INTERNATIONAL SWITCHGEAR PVT.LTD.	19-01-0111
Group Name NON-DRIVING END				
7	31750564-0, SET OF TERMINAL BOARD (END WALL)	EM75005,ALT-e.	NEC SW. GEARS & CONTROLS	2018-08-4188
Group Name UNDER FRAME				
8	42984488-1, HAND LAMP SOCKETS 10A, 250V	CAT NO AS-10 & AP-10 OF M/S SCHNEIDER ELECT OR EQUIVALENT APPROVED MAKE	SCHNEIDER ELECT,	NIL
Group Name COMPARTMENT				
9	33641985-0, SWITCH PLATE ASSEMBLY (CS& 5 PIN CHARGING SOCKET ,6A),WITH 1A G-FUSE OF WAGO/RS/WICKMAN MAKEAS PER D	EDML055,ITEM-4,REV-C	ESS ESS KAY ENGG CO.	SSK
10	42020131-0, THREE GANG FRAME FITTED WITH THREE MODULE AND 1AMP,GLASS FUSES OF WAGO/RS/WICKMANAS PER DRAWING/SPEC	EDML055,ITEM-3 REV-C.	ESS ESS KAY ENGG. CO.	SSK
11	42980963-1, PUBLIC ADDRESSING SYSTEM	EDTS292,COR-I.	AHUJA BY PUNJAB RADIOS	NIL



आयुर्वेद पौष्टिक
RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (NON-LHB)

FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF

MEMU/TC WITH AIR APRING COACH MEMU/TC WITH AIR SPRING COACH

TYPE OF COACH : MEMUTASP COUPLING TYPE : NONCBC COACH_NO : 198202
RAILWAY : CR DATE OF FITMENT: 05-MAR-19
S.No PL No & Item Description Drawing No Make Item Sr.No.(if any)

Group Name	COMPARTMENT			
12	45906350-0, LED LIGHT FITTING FOR MEMU (DMC/TC) TYPE COACHES (18 WATT) as per Drg.No. RDSO/PE/SPEC/TL/0091-2016,	RDSO/PE/SPEC/TL/0091-2016,REV-1 AS PER DRG CC76460, TYPE-"T" (18 WATT), RCF, ANNEX-1	RT VISION TECHNOLOGIES (P) LTD	RT
13	45982752-0, RLY CARRIAGE FAN ,450 MM SWEEP ,FIXED TYPE 140V,AC WITH FAN GUARD TO DRG NO ICF/SK3-7-6-026, ALT-B,C	RDSO/PE/SPEC/TL/0050(2010,REV-1)	KAPSON INDUSRIES LIMITED	CONCORD
SSE/EL/QC		AME/WM QC/DY CQM I		



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RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (NON-LHB)

(FORM NO. QMF 4254 VER.1.00)

1.	SHELL NO 8374	BOGIE NO	194005 / 194006	DISPATCH DATE	08-MAR-19
2.	RAILWAY CR	TYPE OF COACH	MEMUTC AS	COACH NO	198203
3.	BOOKED TO	SSE/C&W/CSTM			
4.	Tare Weight of Coach	33.15			
5.	Carrying Capacity	Seating	80	Sleeping	NIL
				Luggage	NIL
6.	6.1 Leading Dimensions:				
	i)	Maximum height above rail to top of roof ventilator		4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN)	
	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 lighth		3402 +0/-5	
	vi)	CBC/Shaku Coupler Height	Specified: 1104 +0/-10 mm (1035 +0/-5 mm for shaku coup	1035	1035
	vii)	CBC/Shaku Coupler (Make)		SANROK	SANROK
	viii)	Buffer Make			
7.	Air Brake Testing:				
	Description			Specified	
	7.1	Emergency Application	Time for 0 to 36 Kg/cm2 of BC	Less than 05 Sec	
			Brake release time to reach 0.4 Kg/cm2	Less than 20 Sec	
	7.2	Insensitivity	BP dipped @ 0.30 Kg/cm2 in 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	
8.	Painting Details:				
			Type of Paint	Make	Average Gloss Value
	8.1	Paint	PU PAINT	DEB PAINT	86 / 86
	8.2	Application of PCN-123	SATISFACTORY		
	8.3	Insulation	SATISFACTORY		
9.	Traceability of Furnishing Items:				
	1	EP BRAK / BRAKE EQUIPMENT		KBI	
	2	FLOOR BOARD		ENGWOOD	
	3	PVC		RESPONSIVE	
	4	UIC VESTIBULES		BASANT, ELASTOMER	
	5	WATER TANKS		RUBY	
	6	SEAT & BEARTH		AAR KAY FOAM	
	7	BIO-TOILET		PD STEEL, PD STEEL	
	8	LAVATORY DOORS		TWPL	
10.	10.1	Modification/ Trial (If any): NIL			
	10.2	Deviations (If any): NIL			



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RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (NON-LHB)

QMF 9828, VER:1.00

11.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date				
		8374	CR	MEMUTC AS	198203	08-MAR-19				
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt "a"									
11.2	Wheel & Axle Details:									
	i.	Bogie No.	194005			194006				
	ii.	Frame No.	ECBT-589			ASR-64				
	iii.	Bolster No.	ECBT-4005			ECBT-4006				
	iv.	Axle No.	4643	1285		4953		4197		
	v.	Wheel Diameter	952.00	952.00	952.00	952.00	953.00	953.00		
		Wheel	29013-	28954-	29004-	27184-	29153-	28985-	29035-	29042-
	vi.	Disc No.	940-RWF	911-RWF	953-RWF	923-RWF	934-RWF	934-RWF	939-RWF	913-RWF
	vii.	RB Nos	H2466	H2475	H2452	H2453	C3421	C3425	C3403	C3445
	viii.	RB Make	NBC		NBC		NBC		NBC	
ix.	RB Type	Direct Mounted Spherical Roller Bearing								
11.3	Items traceability:									
	i.	Brake Cylinder Make & No.		WSF-1794,1802		WSF-1793,1785				
	ii.	Secondary shock Absorber Make & NO.		KBI-2065,2095		KBI-2054,2124				
	iii.	Lateral Shock Absorber Make & NO.		KBI-6316,6323		KBI-6338,6319				
	iv.	Air Spring Make & NO.		AVADH-3015,3051		AVADH-3096,3021				
11.4	i.	Modification/Trail(if any):		NIL						
	ii.	Deviations (if any):		NIL						

MEMUTC AS - 8374



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ROLLING STOCK CERTIFICATE (NON-LHB)



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ROLLING STOCK CERTIFICATE (NON-LHB)

FOR ELECTRICAL ITEMS				
ROLLING STOCK CERTIFICATE OF				
MEMU/TC WITH AIR APRING COACH MEMU/TC WITH AIR SPRING COACH				
TYPE OF COACH : MEMUTASP		Shell No : 8374	COACH_NO :	198203
RAILWAY : CR		COUPLING TYPE : NONCBC	DATE OF FITMENT:	06-MAR-19
S.No PL No & Item Description		Drawing No	Make	Item Sr.No.(if any)
Group Name NO GROUP DEFINED				
1	42010068-0, 5PIN PANEL MOUNTED SOCKET RATED 30A,415V	2417B OF M/S BCH or equivalent approved make.	BCH MAKE	BCH
Group Name INTERVEHICLE COUPLER SET				
2	45138977-1, IVC PLUG (MALE COUPLER) ON STATION SIDE END WALL	EDML006,REV-C,AM-I,COR-1.	MAA LAXMI INDUSTRIES	NIL
3	45138977-2, IVC SOCKET(FEMALE COUPLER) ON MRS SIDE END WALL	EDML006,REV-C,AM-I,COR-1.	MAA LAXMI INDUSTRIES	NIL
4	45138977-3, DUMMY SOCKETS FOR MALE COUPLERS ON STATION SIDE	EDML006,REV-C,AM-I,COR-1.	MAA LAXMI INDUSTRIES	NIL
Group Name DRIVING END				
5	31750564-0, SET OF TERMINAL BOARD (END WALL)	EM75005,ALT-e.	NEC SW. GEARS & CONTROLS	2018-08-4235
6	31757017-0, MCB PANEL ARRANGEMENT ON END CONSTRUCTION as per Drg.No. ET75005,ALT-'D'.	ET75005,ALT-'D'	INTERNATIONAL SWITCHGEAR PVT.LTD.	19-01-0106
Group Name NON-DRIVING END				
7	31750564-0, SET OF TERMINAL BOARD (END WALL)	EM75005,ALT-e.	NEC SW. GEARS & CONTROLS	2018-08-4242
Group Name UNDER FRAME				
8	42984488-1, HAND LAMP SOCKETS 10A, 250V	CAT NO AS-10 & AP-10 OF M/S SCHNEIDER ELECT OR EQUIVALENT APPROVED MAKE	SCHNEIDER ELECT,	NIL
Group Name COMPARTMENT				
9	33641985-0, SWITCH PLATE ASSEMBLY (CS& 5 PIN CHARGING SOCKET ,6A),WITH 1A G-FUSE OF WAGO/RS/WICKMAN MAKEAS PER D	EDML055,ITEM-4,REV-C	ESS ESS KAY ENGG CO.	SSK
10	42020131-0, THREE GANG FRAME FITTED WITH THREE MODULE AND 1AMP,GLASS FUSES OF WAGO/RS/WICKMANAS PER DRAWING/SPEC	EDML055,ITEM-3 REV-C.	ESS ESS KAY ENGG. CO.	SSK
11	42980963-1, PUBLIC ADDRESSING SYSTEM	EDTS292,COR-I.	AHUJA BY PUNJAB RADIOS	NIL



आयुर्वेद पालीक
RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (NON-LHB)

FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF

MEMU/TC WITH AIR APRING COACH MEMU/TC WITH AIR SPRING COACH

TYPE OF COACH : MEMUTASP COUPLING TYPE : NONCBC COACH_NO : 198203
RAILWAY : CR DATE OF FITMENT: 06-MAR-19
S.No PL No & Item Description Drawing No Make Item Sr.No.(if any)

Group Name	COMPARTMENT			
12	45906350-0, LED LIGHT FITTING FOR MEMU (DMC/TC) TYPE COACHES (18 WATT) as per Drg.No. RDSO/PE/SPEC/TL/0091-2016,	RDSO/PE/SPEC/TL/0091-2016,REV-1 AS PER DRG CC76460, TYPE-"T" (18 WATT), RCF, ANNEX-1	RT VISION TECHNOLOGIES (P) LTD	RT
13	45982752-0, RLY CARRIAGE FAN ,450 MM SWEEP ,FIXED TYPE 140V,AC WITH FAN GUARD TO DRG NO ICF/SK3-7-6-026, ALT-B,C	RDSO/PE/SPEC/TL/0050(2010,REV-1)	KAPSON INDUSRIES LIMITED	CONCORD
SSE/EL/QC		AME/WM QC/DY CQM I		



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RAIL COACH FACTORY, KAPURTHALA

ROLLING STOCK CERTIFICATE (NON-LHB)

(FORM NO. QMF 4254 VER.1.00)

1.	SHELL NO	8375	BOGIE NO	194127 / 194128	DISPATCH DATE	08-MAR-19	
2.	RAILWAY	CR	TYPE OF COACH	MEMUTC AS	COACH NO	198201	
3.	BOOKED TO	SSE/C&W/CST/M					
4.	Tare Weight of Coach	33.15					
5.	Carrying Capacity	Seating	80	Sleeping	NIL	Luggage	NIL
6.	6.1 Leading Dimensions:						
	i)	Maximum height above rail to top of roof ventilator			4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN)		
	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 lighth			3402 +0/-5		
	vi)	CBC/Shaku Coupler Height	Specified: 1104 +0/-10 mm (1035 +0/-5 mm for shaku coupler)		1034	1033	
	vii)	CBC/Shaku Coupler (Make)			SANROK	SANROK	
	viii)	Buffer Make					
7.	Air Brake Testing:						
	Description			Specified			
	7.1	Emergency Application	Time for 0 to 36 Kg/cm2 of BC		Less than 05 Sec		
			Brake release time to reach 0.4 Kg/cm2		Less than 20 Sec		
	7.2	Insensitivity	BP dipped @ 0.30 Kg/cm2 in 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		
8.	Painting Details:						
			Type of Paint	Make	Average Gloss Value		
	8.1	Paint	PU PAINT	DEB PAINT	86 / 86		
	8.2	Application of PCN-123	SATISFACTORY				
	8.3	Insulation	SATISFACTORY				
9.	Traceability of Furnishing Items:						
	1	EP BRAK / BRAKE EQUIPMENT			KBI		
	2	FLOOR BOARD			ENGGWOOD		
	3	PVC			RESPONSIVE		
	4	UIC VESTIBULES			BASANT		
	5	WATER TANKS			RUBY		
	6	SEAT & BEARTH			CPF		
	7	BIO-TOILET			PD STEEL, PD STEEL		
	8	LAVATORY DOORS			TWPL		
10.	10.1	Modification/ Trial (If any): NIL					
	10.2	Deviations (If any): NIL					



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RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (NON-LHB)

QMF 9828, VER:1.00

11.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			8375		CR		MEMUTC AS		198201		08-MAR-19	
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt "a"											
11.2	Wheel & Axle Details:											
	i.	Bogie No.	194127					194128				
	ii.	Frame No.	ASR-74					ASR-122				
	iii.	Bolster No.	ECBT-4127					ECBT-4128				
	iv.	Axle No.	SAIL-6460		SAIL-4650		SAIL-4126		SAIL-5733			
	v.	Wheel Diameter	954.60	954.60	954.02	954.02	953.00	953.00	954.30	954.30		
		Wheel	28982-	28976-	27286-	27480-	29025-	29033-	27498-	27301-		
	vi.	Disc No.	939-RWF	932-RWF	915-RWF	952-RWF	909-RWF	937-RWF	916-RWF	942-RWF		
	vii.	RB Nos	F2501	F2580	F2502	F2581	F2662	F2668	F2607	F2609		
	viii.	RB Make	NBC		NBC		NBC		NBC			
	ix.	RB Type	Direct Mounted Spherical Roller Bearing									
11.3	Items traceability:											
	i.	Brake Cylinder Make & No.			PEW-K8206,K8115				PEW-K8184,K8174			
	ii.	Secondary shock Absorber Make & NO.			IAI-233556,233469				IAI-233573,233582			
	iii.	Lateral Shock Absorber Make & NO.			IAI-233876,233843				IAI-233766,233722			
	iv.	Air Spring Make & NO.			RESISTO-5153,5145				RESISTO-5165,5174			
11.4	i.	Modification/Trail(if any):			FIBA PNEUMATIC PIPING ARRGT. PROVIDED.							
	ii.	Deviations (if any):			NIL							

MEMUTC AS - 8375



भारतीय रेलवे प्रोपर्टी

RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (NON-LHB)



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ROLLING STOCK CERTIFICATE (NON-LHB)

FOR ELECTRICAL ITEMS				
ROLLING STOCK CERTIFICATE OF				
MEMU/TC WITH AIR APRING COACH MEMU/TC WITH AIR SPRING COACH				
TYPE OF COACH : MEMUTASP		Shell No : 8375	COACH_NO :	198201
RAILWAY : CR		COUPLING TYPE : NONCBC	DATE OF FITMENT:	07-MAR-19
S.No PL No & Item Description		Drawing No	Make	Item Sr.No.(if any)
Group Name NO GROUP DEFINED				
1	42010068-0, 5PIN PANEL MOUNTED SOCKET RATED 30A,415V	2417B OF M/S BCH or equivalent approved make.	BCH MAKE	BCH
Group Name INTERVEHICLE COUPLER SET				
2	45138977-1, IVC PLUG (MALE COUPLER) ON STATION SIDE END WALL	EDML006,REV-C,AM-I,COR-1.	MAA LAXMI INDUSTRIES	NIL
3	45138977-2, IVC SOCKET(FEMALE COUPLER) ON MRS SIDE END WALL	EDML006,REV-C,AM-I,COR-1.	MAA LAXMI INDUSTRIES	NIL
4	45138977-3, DUMMY SOCKETS FOR MALE COUPLERS ON STATION SIDE	EDML006,REV-C,AM-I,COR-1.	MAA LAXMI INDUSTRIES	NIL
Group Name DRIVING END				
5	31750564-0, SET OF TERMINAL BOARD (END WALL)	EM75005,ALT-e.	NEC SW. GEARS & CONTROLS	2018-08-4238
6	31757017-0, MCB PANEL ARRANGEMENT ON END CONSTRUCTION as per Drg.No. ET75005,ALT-'D'.	ET75005,ALT-'D'	INTERNATIONAL SWITCHGEAR PVT.LTD.	19-01-0125
Group Name NON-DRIVING END				
7	31750564-0, SET OF TERMINAL BOARD (END WALL)	EM75005,ALT-e.	NEC SW. GEARS & CONTROLS	2018-08-4183
Group Name UNDER FRAME				
8	42984488-1, HAND LAMP SOCKETS 10A, 250V	CAT NO AS-10 & AP-10 OF M/S SCHNEIDER ELECT OR EQUIVALENT APPROVED MAKE	SCHNEIDER ELECT,	NIL
Group Name COMPARTMENT				
9	33641985-0, SWITCH PLATE ASSEMBLY (CS& 5 PIN CHARGING SOCKET ,6A),WITH 1A G-FUSE OF WAGO/RS/WICKMAN MAKEAS PER D	EDML055,ITEM-4,REV-C	ESS ESS KAY ENGG CO.	SSK
10	42020131-0, THREE GANG FRAME FITTED WITH THREE MODULE AND 1AMP,GLASS FUSES OF WAGO/RS/WICKMANAS PER DRAWING/SPEC	EDML055,ITEM-3 REV-C.	ESS ESS KAY ENGG. CO.	SSK
11	42980963-1, PUBLIC ADDRESSING SYSTEM	EDTS292,COR-I.	AHUJA BY PUNJAB RADIOS	NIL



भारतीय रेलवे
RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (NON-LHB)

FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF

MEMU/TC WITH AIR APRING COACH MEMU/TC WITH AIR SPRING COACH

TYPE OF COACH : MEMUTASP COUPLING TYPE : NONCBC COACH_NO : 198201
RAILWAY : CR DATE OF FITMENT: 07-MAR-19
S.No PL No & Item Description Drawing No Make Item Sr.No.(if any)

Group Name	COMPARTMENT			
12	45906350-0, LED LIGHT FITTING FOR MEMU (DMC/TC) TYPE COACHES (18 WATT) as per Drg.No. RDSO/PE/SPEC/TL/0091-2016,	RDSO/PE/SPEC/TL/0091-2016,REV-1 AS PER DRG CC76460, TYPE-"T" (18 WATT), RCF, ANNEX-1	RT VISION TECHNOLOGIES (P) LTD	RT
13	45982752-0, RLY CARRIAGE FAN ,450 MM SWEEP ,FIXED TYPE 140V,AC WITH FAN GUARD TO DRG NO ICF/SK3-7-6-026, ALT-B,C	RDSO/PE/SPEC/TL/0050(2010,REV-1)	MAX	CONCORD
SSE/EL/QC		AME/WM QC/DY CQM I		



भारतीय रेलवे

RAIL COACH FACTORY, KAPURTHALA

ROLLING STOCK CERTIFICATE (NON-LHB)

(FORM NO. QMF 4254 VER.1.00)

1.	SHELL NO	8376	BOGIE NO	194121 / 194122	DISPATCH DATE	08-MAR-19	
2.	RAILWAY	CR	TYPE OF COACH	MEMUTC AS	COACH NO	198204	
3.	BOOKED TO	SSE/C&W/					
4.	Tare Weight of Coach	33.15					
5.	Carrying Capacity	Seating	80	Sleeping	NIL	Luggage	NIL
6.	6.1 Leading Dimensions:						
	i)	Maximum height above rail to top of roof ventilator			4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN)		
	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 lighth			3402 +0/-5		
	vi)	CBC/Shaku Coupler Height	Specified: 1104 +0/-10 mm (1035 +0/-5 mm for shaku coupler)		1035	1034	
	vii)	CBC/Shaku Coupler (Make)			SANROK	SANROK	
	viii)	Buffer Make					
7.	Air Brake Testing:						
	Description			Specified			
	7.1	Emergency Application	Time for 0 to 36 Kg/cm2 of BC		Less than 05 Sec		
			Brake release time to reach 0.4 Kg/cm2		Less than 20 Sec		
	7.2	Insensitivity	BP dipped @ 0.30 Kg/cm2 in 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		
8.	Painting Details:						
			Type of Paint	Make	Average Gloss Value		
	8.1	Paint	PU PAINT	DEB PAINT	86 / 86		
	8.2	Application of PCN-123	SATISFACTORY				
	8.3	Insulation	SATISFACTORY				
9.	Traceability of Furnishing Items:						
	1	EP BRAK / BRAKE EQUIPMENT			KBI		
	2	FLOOR BOARD			ENGGWOOD		
	3	PVC			RESPONSIVE		
	4	UIC VESTIBULES			BASANT		
	5	WATER TANKS			RUBICONE		
	6	SEAT & BEARTH			CPF		
	7	BIO-TOILET			PD STEEL, PD STEEL		
	8	LAVATORY DOORS			TWPL		
10.	10.1	Modification/ Trial (If any): NIL					
	10.2	Deviations (If any): NIL					



भारतीय रेलवे कारखाना
RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (NON-LHB)

QMF 9828, VER:1.00

11.	Bogie Details:		Shell No.	Railway		Type		Coach No.		Dispatch Date	
			8376	CR		MEMUTC AS		198204		08-MAR-19	
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt "a"										
11.2	Wheel & Axle Details:										
	i.	Bogie No.	194121				194122				
	ii.	Frame No.	KE-191				KE-207				
	iii.	Bolster No.	ECBT-4121				ECBT-4122				
	iv.	Axle No.	SAIL-4656		SAIL-4172		SAIL-3680		SAIL-5737		
	v.	Wheel Diameter	954.37	954.36	954.34	954.35	953.00	953.00	953.00	953.00	
		Wheel	30032-	27214-	27513-	30031-	27575-	27299-	27172-	30039-	
	vi.	Disc No.	903-RWF	928-RWF	937-RWF	922-RWF	958-RWF	903-RWF	941-RWF	955-RWF	
	vii.	RB Nos	F2494	F2491	F2469	F2490	F2584	F2613	F2646	F2666	
	viii.	RB Make	NBC		NBC		NBC		NBC		
	ix.	RB Type	Direct Mounted Spherical Roller Bearing								
11.3	Items traceability:										
	i.	Brake Cylinder Make & No.			PEW-K5216,K5568			PEW-K6410,K5626			
	ii.	Secondary shock Absorber Make & NO.			IAI-233564,233467			IAI-233469,233475			
	iii.	Lateral Shock Absorber Make & NO.			IAI-233807,233943			IAI-233749,233877			
	iv.	Air Spring Make & NO.			RESISTO-5220,5231			RESISTO-5199,5238			
11.4	i.	Modification/Trail(if any):			FIBA PNEUMATIC PIPING ARRGT. PROVIDED.						
	ii.	Deviations (if any):			NIL						

MEMUTC AS - 8376



भारतीय रेलवे प्रजाधिकार
RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (NON-LHB)



FOR ELECTRICAL ITEMS				
ROLLING STOCK CERTIFICATE OF				
MEMU/TC WITH AIR APRING COACH MEMU/TC WITH AIR SPRING COACH				
TYPE OF COACH : MEMUTASP		Shell No : 8376	COACH_NO :	198204
RAILWAY : CR		COUPLING TYPE : NONCBC	DATE OF FITMENT:	05-MAR-19
S.No	PL No & Item Description	Drawing No	Make	Item Sr.No.(if any)
Group Name NO GROUP DEFINED				
1	42010068-0, 5PIN PANEL MOUNTED SOCKET RATED 30A,415V	2417B OF M/S BCH or equivalent approved make.	BCH MAKE	BCH
Group Name INTERVEHICLE COUPLER SET				
2	45138977-1, IVC PLUG (MALE COUPLER) ON STATION SIDE END WALL	EDML006,REV-C,AM-I,COR-1.	MAA LAXMI INDUSTRIES	NIL
3	45138977-2, IVC SOCKET(FEMALE COUPLER) ON MRS SIDE END WALL	EDML006,REV-C,AM-I,COR-1.	MAA LAXMI INDUSTRIES	NIL
4	45138977-3, DUMMY SOCKETS FOR MALE COUPLERS ON STATION SIDE	EDML006,REV-C,AM-I,COR-1.	MAA LAXMI INDUSTRIES	NIL
Group Name DRIVING END				
5	31750564-0, SET OF TERMINAL BOARD (END WALL)	EM75005,ALT-e.	NEC SW. GEARS & CONTROLS	2018-08-4237
6	31757017-0, MCB PANEL ARRANGEMENT ON END CONSTRUCTION as per Drg.No. ET75005,ALT-'D'.	ET75005,ALT-'D'	INTERNATIONAL SWITCHGEAR PVT.LTD.	19-01-0120
Group Name NON-DRIVING END				
7	31750564-0, SET OF TERMINAL BOARD (END WALL)	EM75005,ALT-e.	NEC SW. GEARS & CONTROLS	2018-08-4275
Group Name UNDER FRAME				
8	42984488-1, HAND LAMP SOCKETS 10A, 250V	CAT NO AS-10 & AP-10 OF M/S SCHNEIDER ELECT OR EQUIVALENT APPROVED MAKE	SCHNEIDER ELECT,	NIL
Group Name COMPARTMENT				
9	33641985-0, SWITCH PLATE ASSEMBLY (CS& 5 PIN CHARGING SOCKET ,6A),WITH 1A G-FUSE OF WAGO/RS/WICKMAN MAKEAS PER D	EDML055,ITEM-4,REV-C	ESS ESS KAY ENGG CO.	SSK
10	42020131-0, THREE GANG FRAME FITTED WITH THREE MODULE AND 1AMP,GLASS FUSES OF WAGO/RS/WICKMANAS PER DRAWING/SPEC	EDML055,ITEM-3 REV-C.	ESS ESS KAY ENGG. CO.	SSK
11	42980963-1, PUBLIC ADDRESSING SYSTEM	EDTS292,COR-I.	AHUJA BY PUNJAB RADIOS	NIL



आयुर्वेद पालीएडू
RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (NON-LHB)

FOR ELECTRICAL ITEMS				
ROLLING STOCK CERTIFICATE OF				
MEMU/TC WITH AIR APRING COACH MEMU/TC WITH AIR SPRING COACH				
TYPE OF COACH : MEMUTASP		COUPLING TYPE : NONCBC		COACH_NO : 198204
RAILWAY : CR		DATE OF FITMENT: 05-MAR-19		Item Sr.No.(if any)
S.No PL No & Item Description		Drawing No		Make
Group Name COMPARTMENT				
12	45906350-0, LED LIGHT FITTING FOR MEMU (DMC/TC) TYPE COACHES (18 WATT) as per Drg.No. RDSO/PE/SPEC/TL/0091-2016,	RDSO/PE/SPEC/TL/0091-2016,REV-1 AS PER DRG CC76460, TYPE-"T" (18 WATT), RCF, ANNEX-1	RT VISION TECHNOLOGIES (P) LTD	RT
13	45982752-0, RLY CARRIAGE FAN ,450 MM SWEEP ,FIXED TYPE 140V,AC WITH FAN GUARD TO DRG NO ICF/SK3-7-6-026, ALT-B,C	RDSO/PE/SPEC/TL/0050(2010,REV-1)	KAPSON INDUSRIES LIMITED	CONCORD
SSE/EL/QC		AME/WM QC/DY CQM I		



भारतीय रेलवे कार्गो

RAIL COACH FACTORY, KAPURTHALA

ROLLING STOCK CERTIFICATE (NON-LHB)

(FORM NO. QMF 4254 VER.1.00)

1.	SHELL NO	8378	BOGIE NO	194123 / 194124	DISPATCH DATE	08-MAR-19	
2.	RAILWAY	CR	TYPE OF COACH	MEMUTC AS	COACH NO	198205	
3.	BOOKED TO	SSE/C&W/CST/M					
4.	Tare Weight of Coach	33.15					
5.	Carrying Capacity	Seating	80	Sleeping	NIL	Luggage	NIL
6.	6.1 Leading Dimensions:						
	i)	Maximum height above rail to top of roof ventilator			4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN)		
	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 lighth			3402 +0/-5		
	vi)	CBC/Shaku Coupler Height	Specified: 1104 +0/-10 mm (1035 +0/-5 mm for shaku coupler)		1033	1035	
	vii)	CBC/Shaku Coupler (Make)			SANROK	SANROK	
	viii)	Buffer Make					
7.	Air Brake Testing:						
	Description				Specified		
	7.1	Emergency Application	Time for 0 to 36 Kg/cm2 of BC		Less than 05 Sec		
			Brake release time to reach 0.4 Kg/cm2		Less than 20 Sec		
	7.2	Insensitivity	BP dipped @ 0.30 Kg/cm2 in 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		
8.	Painting Details:						
			Type of Paint		Make	Average Gloss Value	
	8.1	Paint	PU PAINT		DEB PAINT	63 / 85	
	8.2	Application of PCN-123	SATISFACTORY				
	8.3	Insulation	SATISFACTORY				
9.	Traceability of Furnishing Items:						
	1	EP BRAK / BRAKE EQUIPMENT			KBI		
	2	FLOOR BOARD			ENGGWOOD		
	3	PVC			RESPONSIVE		
	4	UIC VESTIBULES			BASANT		
	5	WATER TANKS			RUBY		
	6	SEAT & BEARTH			AAR KAY FOAM		
	7	BIO-TOILET			PD STEEL, PD STEEL		
	8	LAVATORY DOORS			TWPL		
10.	10.1	Modification/ Trial (If any): NIL					
	10.2	Deviations (If any): NIL					



भारतीय रेलवे कारखाना
RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (NON-LHB)

QMF 9828, VER:1.00

11.	Bogie Details:		Shell No.	Railway		Type		Coach No.		Dispatch Date	
			8378	CR		MEMUTC AS		198205		08-MAR-19	
11.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt "a"										
11.2	Wheel & Axle Details:										
	i.	Bogie No.	194123				194124				
	ii.	Frame No.	KE-200				ASR-98				
	iii.	Bolster No.	ECBT-4123				ECBT-4124				
	iv.	Axle No.	3818		5832		2492		4538		
	v.	Wheel Diameter	953.00	953.00	953.00	953.00	953.00	953.00	954.50	954.50	
		Wheel	29025-	27512-	28951-	27485-	27513-	30022-	27206-	27296-	
	vi.	Disc No.	925-RWF	947-RWF	950-RWF	959-RWF	901-RWF	906-RWF	921-RWF	932-RWF	
	vii.	RB Nos	F2470	F2467	F2503	F2474	F2472	F2493	F2509	F2592	
	viii.	RB Make	NBC		NBC		NBC		NBC		
ix.	RB Type	Direct Mounted Spherical Roller Bearing									
11.3	Items traceability:										
	i.	Brake Cylinder Make & No.			PEW-K8085,K8056			AJTECH-1170,1171			
	ii.	Secondary shock Absorber Make & NO.			IAI-233620,233438			IAI-233407,233404			
	iii.	Lateral Shock Absorber Make & NO.			IAI-233810,233954			IAI-233963,233670			
	iv.	Air Spring Make & NO.			RESISTO-5246,5211			RESISTO-5170,5230			
11.4	i.	Modification/Trail(if any):			FIBA PNEUMATIC PIPING ARRG. PROVIDED.						
	ii.	Deviations (if any):			NIL						

MEMUTC AS - 8378



भारतीय रेलवे प्रजापति

RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (NON-LHB)



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (NON-LHB)

FOR ELECTRICAL ITEMS				
ROLLING STOCK CERTIFICATE OF				
MEMU/TC WITH AIR APRING COACH MEMU/TC WITH AIR SPRING COACH				
TYPE OF COACH : MEMUTASP		Shell No : 8378	COACH_NO :	198205
RAILWAY : CR		COUPLING TYPE : NONCBC	DATE OF FITMENT:	06-MAR-19
S.No PL No & Item Description		Drawing No	Make	Item Sr.No.(if any)
Group Name NO GROUP DEFINED				
1	42010068-0, 5PIN PANEL MOUNTED SOCKET RATED 30A,415V	2417B OF M/S BCH or equivalent approved make.	BCH MAKE	BCH
Group Name INTERVEHICLE COUPLER SET				
2	45138977-1, IVC PLUG (MALE COUPLER) ON STATION SIDE END WALL	EDML006,REV-C,AM-I,COR-1.	MAA LAXMI INDUSTRIES	NIL
3	45138977-2, IVC SOCKET(FEMALE COUPLER) ON MRS SIDE END WALL	EDML006,REV-C,AM-I,COR-1.	MAA LAXMI INDUSTRIES	NIL
4	45138977-3, DUMMY SOCKETS FOR MALE COUPLERS ON STATION SIDE	EDML006,REV-C,AM-I,COR-1.	MAA LAXMI INDUSTRIES	NIL
Group Name DRIVING END				
5	31750564-0, SET OF TERMINAL BOARD (END WALL)	EM75005,ALT-e.	NEC SW. GEARS & CONTROLS	2018-08-4230
6	31757017-0, MCB PANEL ARRANGEMENT ON END CONSTRUCTION as per Drg.No. ET75005,ALT-'D'.	ET75005,ALT-'D'	INTERNATIONAL SWITCHGEAR PVT.LTD.	19-01-0112
Group Name NON-DRIVING END				
7	31750564-0, SET OF TERMINAL BOARD (END WALL)	EM75005,ALT-e.	NEC SW. GEARS & CONTROLS	2018-08-4197
Group Name UNDER FRAME				
8	42984488-1, HAND LAMP SOCKETS 10A, 250V	CAT NO AS-10 & AP-10 OF M/S SCHNEIDER ELECT OR EQUIVALENT APPROVED MAKE	SCHNEIDER ELECT,	NIL
Group Name COMPARTMENT				
9	33641985-0, SWITCH PLATE ASSEMBLY (CS& 5 PIN CHARGING SOCKET ,6A),WITH 1A G-FUSE OF WAGO/RS/WICKMAN MAKEAS PER D	EDML055,ITEM-4,REV-C	ESS ESS KAY ENGG CO.	SSK
10	42020131-0, THREE GANG FRAME FITTED WITH THREE MODULE AND 1AMP,GLASS FUSES OF WAGO/RS/WICKMANAS PER DRAWING/SPEC	EDML055,ITEM-3 REV-C.	ESS ESS KAY ENGG. CO.	SSK
11	42980963-1, PUBLIC ADDRESSING SYSTEM	EDTS292,COR-I.	AHUJA BY PUNJAB RADIOS	NIL



आयुर्वेद पौष्टिक
RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (NON-LHB)

FOR ELECTRICAL ITEMS				
ROLLING STOCK CERTIFICATE OF				
MEMU/TC WITH AIR APRING COACH MEMU/TC WITH AIR SPRING COACH				
TYPE OF COACH : MEMUTASP		COUPLING TYPE : NONCBC		COACH_NO : 198205
RAILWAY : CR		DATE OF FITMENT: 06-MAR-19		Item Sr.No.(if any)
S.No PL No & Item Description		Drawing No		Make
Group Name		COMPARTMENT		
12	45906350-0, LED LIGHT FITTING FOR MEMU (DMC/TC) TYPE COACHES (18 WATT) as per Drg.No. RDSO/PE/SPEC/TL/0091-2016,	RDSO/PE/SPEC/TL/0091-2016,REV-1 AS PER DRG CC76460, TYPE-"T" (18 WATT), RCF, ANNEX-1	RT VISION TECHNOLOGIES (P) LTD	RT
13	45982752-0, RLY CARRIAGE FAN ,450 MM SWEEP ,FIXED TYPE 140V,AC WITH FAN GUARD TO DRG NO ICF/SK3-7-6-026, ALT-B,C	RDSO/PE/SPEC/TL/0050(2010,REV-1)	KAPSON INDUSRIES LIMITED	MAX
SSE/EL/QC		AME/WM QC/DY CQM I		



भारतीय रेलवे

RAIL COACH FACTORY, KAPURTHALA

ROLLING STOCK CERTIFICATE (NON-LHB)

(FORM NO. QMF 4254 VER.1.00)

1.	SHELL NO	8379	BOGIE NO	194125 / 194126	DISPATCH DATE	08-MAR-19	
2.	RAILWAY	CR	TYPE OF COACH	MEMUTC AS	COACH NO	198206	
3.	BOOKED TO	SSE/C&W/CSTM					
4.	Tare Weight of Coach	33.15					
5.	Carrying Capacity	Seating	80	Sleeping	NIL	Luggage	NIL
6.	6.1 Leading Dimensions:						
	i)	Maximum height above rail to top of roof ventilator			4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN)		
	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 lighth			3402 +0/-5		
	vi)	CBC/Shaku Coupler Height	Specified: 1104 +0/-10 mm (1035 +0/-5 mm for shaku coupler)		1035	1035	
	vii)	CBC/Shaku Coupler (Make)			SANROK	SANROK	
	viii)	Buffer Make					
7.	Air Brake Testing:						
	Description			Specified			
	7.1	Emergency Application	Time for 0 to 36 Kg/cm2 of BC		Less than 05 Sec		
			Brake release time to reach 0.4 Kg/cm2		Less than 20 Sec		
	7.2	Insensitivity	BP dipped @ 0.30 Kg/cm2 in 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		
8.	Painting Details:						
			Type of Paint	Make	Average Gloss Value		
	8.1	Paint	PU PAINT	DEB PAINT	71 / 73		
	8.2	Application of PCN-123	SATISFACTORY				
	8.3	Insulation	SATISFACTORY				
9.	Traceability of Furnishing Items:						
	1	EP BRAK / BRAKE EQUIPMENT			KBI		
	2	FLOOR BOARD			ENGGWOOD		
	3	PVC			RESPONSIVE		
	4	UIC VESTIBULES			BASANT		
	5	WATER TANKS			RUBY		
	6	SEAT & BEARTH			CPF		
	7	BIO-TOILET			PD STEEL, PD STEEL		
	8	LAVATORY DOORS			TWPL		
10.	10.1	Modification/ Trial (If any): NIL					
	10.2	Deviations (If any): NIL					



भारतीय रेलवे कार्गो
RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (NON-LHB)

QMF 9828, VER:1.00

11.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date		
			8379		CR		MEMUTC AS		198206		08-MAR-19		
11.1 BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt "a"													
11.2 Wheel & Axle Details:													
	i.	Bogie No.	194125						194126				
	ii.	Frame No.	KE-214						KE-215				
	iii.	Bolster No.	ECBT-4125						ECBT-4126				
	iv.	Axle No.	6373			3758			1281		4986		
	v.	Wheel Diameter	953.00	953.00	953.00	953.00	953.00	953.00	953.00	953.00	953.00		
		Wheel	30024-	29999-	27357-	28952-	28993-	28994-	30045-	27471-			
	vi.	Disc No.	923-RWF	931-RWF	915-RWF	943-RWF	911-RWF	952-RWF	945-RWF	904-RWF			
	vii.	RB Nos	F2686	F2504	F2700	F2485	F2496	F2498	F2512	F2505			
	viii.	RB Make	NBC			NBC			NBC		NBC		
	ix.	RB Type	Direct Mounted Spherical Roller Bearing										
11.3 Items traceability:													
	i.	Brake Cylinder Make & No.				PEW-K8039,K5632				PEW-K8210,K8144			
	ii.	Secondary shock Absorber Make & NO.				IAI-233445,233520				IAI-233518,233525			
	iii.	Lateral Shock Absorber Make & NO.				IAI-233825,233867				IAI-233881,233653			
	iv.	Air Spring Make & NO.				RESISTO-5115,5163				RESISTO-5125,5234			
11.4	i.	Modification/Trail(if any):				FIBA PNEUMATIC PIPING ARRG. PROVIDED.							
	ii.	Deviations (if any):				NIL							

MEMUTC AS - 8379



भारतीय रेलवे प्रजापति
RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (NON-LHB)



आराम पाले
RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (NON-LHB)

FOR ELECTRICAL ITEMS				
ROLLING STOCK CERTIFICATE OF				
MEMU/TC WITH AIR APRING COACH MEMU/TC WITH AIR SPRING COACH				
TYPE OF COACH : MEMUTASP		Shell No : 8379	COACH_NO :	198206
RAILWAY : CR		COUPLING TYPE : NONCBC	DATE OF FITMENT:	06-MAR-19
S.No PL No & Item Description		Drawing No	Make	Item Sr.No.(if any)
Group Name NO GROUP DEFINED				
1	42010068-0, 5PIN PANEL MOUNTED SOCKET RATED 30A,415V	2417B OF M/S BCH or equivalent approved make.	BCH MAKE	BCH
Group Name INTERVEHICLE COUPLER SET				
2	45138977-1, IVC PLUG (MALE COUPLER) ON STATION SIDE END WALL	EDML006,REV-C,AM-I,COR-1.	MAA LAXMI INDUSTRIES	NIL
3	45138977-2, IVC SOCKET(FEMALE COUPLER) ON MRS SIDE END WALL	EDML006,REV-C,AM-I,COR-1.	MAA LAXMI INDUSTRIES	NIL
4	45138977-3, DUMMY SOCKETS FOR MALE COUPLERS ON STATION SIDE	EDML006,REV-C,AM-I,COR-1.	MAA LAXMI INDUSTRIES	NIL
Group Name DRIVING END				
5	31750564-0, SET OF TERMINAL BOARD (END WALL)	EM75005,ALT-e.	NEC SW. GEARS & CONTROLS	2018-08-4232
6	31757017-0, MCB PANEL ARRANGEMENT ON END CONSTRUCTION as per Drg.No. ET75005,ALT-'D'.	ET75005,ALT-'D'	INTERNATIONAL SWITCHGEAR PVT.LTD.	19-01-0105
Group Name NON-DRIVING END				
7	31750564-0, SET OF TERMINAL BOARD (END WALL)	EM75005,ALT-e.	NEC SW. GEARS & CONTROLS	2018-08-4232
Group Name UNDER FRAME				
8	42984488-1, HAND LAMP SOCKETS 10A, 250V	CAT NO AS-10 & AP-10 OF M/S SCHNEIDER ELECT OR EQUIVALENT APPROVED MAKE	SCHNEIDER ELECT,	NIL
Group Name COMPARTMENT				
9	33641985-0, SWITCH PLATE ASSEMBLY (CS& 5 PIN CHARGING SOCKET ,6A),WITH 1A G-FUSE OF WAGO/RS/WICKMAN MAKEAS PER D	EDML055,ITEM-4,REV-C	ESS ESS KAY ENGG CO.	SSK
10	42020131-0, THREE GANG FRAME FITTED WITH THREE MODULE AND 1AMP,GLASS FUSES OF WAGO/RS/WICKMANAS PER DRAWING/SPEC	EDML055,ITEM-3 REV-C.	ESS ESS KAY ENGG. CO.	SSK
11	42980963-1, PUBLIC ADDRESSING SYSTEM	EDTS292,COR-I.	AHUJA BY PUNJAB RADIOS	NIL



आयुर्वेद पालीक
RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (NON-LHB)

FOR ELECTRICAL ITEMS				
ROLLING STOCK CERTIFICATE OF				
MEMU/TC WITH AIR APRING COACH MEMU/TC WITH AIR SPRING COACH				
TYPE OF COACH : MEMUTASP		COUPLING TYPE : NONCBC		COACH_NO : 198206
RAILWAY : CR		DATE OF FITMENT: 06-MAR-19		Item Sr.No.(if any)
S.No PL No & Item Description		Drawing No		Make
Group Name COMPARTMENT				
12	45906350-0, LED LIGHT FITTING FOR MEMU (DMC/TC) TYPE COACHES (18 WATT) as per Drg.No. RDSO/PE/SPEC/TL/0091-2016,	RDSO/PE/SPEC/TL/0091-2016,REV-1 AS PER DRG CC76460, TYPE-"T" (18 WATT), RCF, ANNEX-1	RT VISION TECHNOLOGIES (P) LTD	RT
13	45982752-0, RLY CARRIAGE FAN ,450 MM SWEEP ,FIXED TYPE 140V,AC WITH FAN GUARD TO DRG NO ICF/SK3-7-6-026, ALT-B,C	RDSO/PE/SPEC/TL/0050(2010,REV-1)	KAPSON INDUSRIES LIMITED	MAX
SSE/EL/QC		AME/WM QC/DY CQM I		