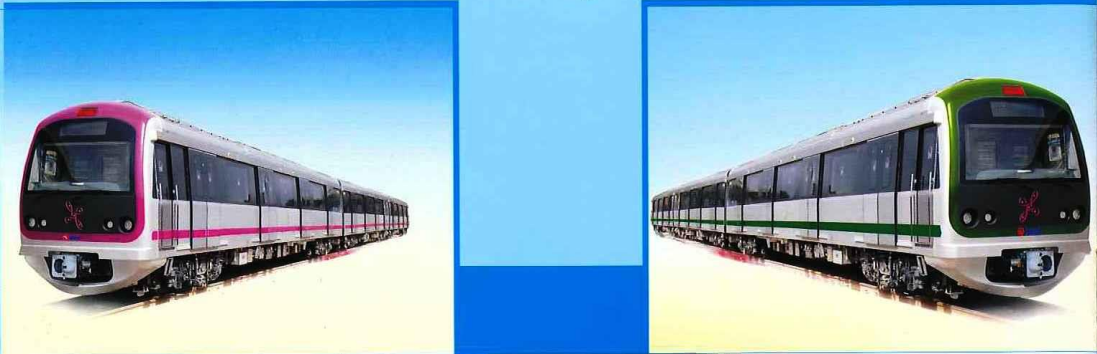


STANDARD GAUGE METRO CAR (750V DC)

		
Track Data	Rail Gauge	1435mm
	Minimum Curve Radius	120 mtr (Main line) 90 mtr (Depot)
	Maximum Gradient	4% (Main line) 4% (Depot)
Current Collection System	Supply Voltage	750 V DC
	Current Collection	Third Rail Single arm bottom Current Collector mounted on motorized bogies.
Type of Car	DMC	Driving Motor Car
	MC , TC	Motor Car Trailer Car
Basic Specifications		
Train Composition	3, 6 Cars	DMC-TC-DMC ; DMC-TC-MC-MC-TC-DMC
Car tare weight	DMC	38 tonnes
	MC/TC	37 tonnes
Passenger Carrying Capacity	DMC	316 Persons { Seating 43, Standing 273)+ 1 Driver
	MC/TC	343 Persons { Seating 50, Standing 293}
	Wheel Diameter	860 mm (New) 820 mm (Half worn) 780 mm (fully worn)
Speed Control System	Control of Acceleration and Deceleration by Variable Voltage Variable Frequency (VVVF) Inverter blended with Regenerative Braking	
Brake System	Regenerative Braking blended with pneumatic braking by electrical, and BP back up brake by Driver's brake valve. Wheel mounted disk brakes.	
Train Speed	i) Maximum Design Speed	95 kmph
	ii) Maximum Operation Speed	85 kmph
Car Body	Material	Stainless Steel
	Length over body	DMC: 21,050mm MC/TC: 20,800mm
	Maximum width of Body (Including door thickness)	2800mm
	Height of Aircon from TOR at car Center line	3848mm
Bogie & Driving Gear Unit	i) Bogie Type	Bolsterless type bogie with air spring
	ii) Suspension	

	· Primary · Secondary	Conical Bonded Rubber Spring Air Spring
	iii) Driving Gear Unit	One Stage Helical Gear with bipartite housing
Propulsion System	Traction Motor	Squirrel Cage type 3 phase Induction Motor
	Converter / Inverter	IGBT Element
	Auxiliary Power Supply Unit (SIV)	IGBT Element
	Third Rail Bottom Current Collector	
Battery	Nickel Cadmium Alkaline Battery	
Air Conditioner	Roof mounted and self contained type	
	Saloon Air Conditioner	Cooling Capacity: 45 kW
	Cab Air Conditioner	Cooling Capacity: 5 kW
Passenger Saloon Door	Electrically driven Externally sliding type	
Window Glass	Double glazed, Toughened, Laminated glass	
Interior Panel	Material: GFRP	
Passenger Saloon Door	Material: Aluminum	
Insulation	Material: Double side aluminium clad Glass Wool	
Floor Covering	Material: Rubber	
Customer	Bangalore Metro Rail Corporation Limited (2RS-DM ; 3RS-DM Projects) Kolkata Metro Rail Corporation Limited.	
Cars Supplied	150 Nos. (as on 31-Mar-2017)	