

Rake requirement for Bangalore Metro**East-West Corridor****LINE - 1 Schedule Speed 32 kmph**

YEAR	DISTANCE KMS	PHPDT		HEADWAY MIN	RAKE REQUIREMENT			TOTAL No of Rakes	RAKE CONSIST	NO OF CARS
		Peak Traffic Demand	Planned*		BARE	TRAFFIC RESERVE	R&M			
2007	17.39	22442	15000	4	18	1	2	21	3CARS	63
2011	17.39	27398	31020	4	18	1	2	21	6CARS	126
2021	17.39	39838	41360	3	24	1	2	27	6CARS	162

*Note - For year 2007, the capacity planned is less than the peak demand. This optimum capacity decided may slightly cause overcrowding on four inter-station sections, but will avoid excessive underloading on the balance sections

North -South Corridor**LINE - 2 Schedule Speed 32 kmph**

YEAR	DISTANCE KMS	PHPDT		HEADWAY MIN	RAKE REQUIREMENT			TOTAL No of Rakes	RAKE CONSIST	NO OF CARS
		Peak Traffic Demand	Planned		BARE	TRAFFIC RESERVE	R&M			
2007	14.2	19585	15000	4	15	1	2	18	3CARS	54
2011	14.2	22705	15000	4	15	1	2	18	3CARS	54
2021	14.2	31199	31020	4	15	1	2	18	6CARS	108

*Note - For year 2007& 2011, the capacity planned is less than the peak demand. This optimum capacity decided may slightly cause overcrowding on some inter-station sections, but will avoid excessive underloading on the balance sections

Note Rake requirements for East - West and North - South corridors are calculated based on peak traffic demand