

Margala Dam

Location	23.0914° N, 74.0567° E
State	Gujarat
Nearest City	Fatepura
Year of Completion	1970
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Mahi
River	Kotar
Dam Type	Earthfill Embankment
Height above lowest foundation level	11.0 m
Dam length	638.0 m
Reservoir Area	100000.0 m ²
Gross storage capacity	1354000.0 m ³
Effective storage capacity	1062000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	4.8 km ²
Perimeter of catchment	9.5 km
Basin Length	2960.6 m
Form factor	0.54471
Circularity ratio	0.65819
Elongation ratio	0.83252
Highest Stream order	5
Max elevation	330.0 m
Min elevation	256.0 m
Mean bifurcation ratio	3.2216
Stream frequency	77.0780 per km ²
Relief	74.00 m
Drainage density	10.1750 km/km ²
Length of overland flow	49.142 m

CATCHMENT CLIMATOLOGY

