

Maneknath Dam

Location	24.1136° N, 72.8972° E
State	Gujarat
Nearest City	Danta
Year of Completion	1990
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	T Of Sabarmati
Dam Type	Earthfill Embankment
Height above lowest foundation level	15.1 m
Dam length	260.0 m
Reservoir Area	396000.0 m ²
Gross storage capacity	310000.0 m ³
Effective storage capacity	274000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	3.2 km ²
Perimeter of catchment	8.2 km
Basin Length	3053.3 m
Form factor	0.34392
Circularity ratio	0.59270
Elongation ratio	0.66151
Highest Stream order	4
Max elevation	655.0 m
Min elevation	207.0 m
Mean bifurcation ratio	3.2012
Stream frequency	90.1360 per km ²
Relief	448.00 m
Drainage density	12.6670 km/km ²
Length of overland flow	39.473 m

CATCHMENT CLIMATOLOGY

