

Vanothi Dam

Location	22.7956° N, 73.1194° E
State	Gujarat
Nearest City	Mandavi
Year of Completion	1951
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Local Stream
Dam Type	Earthfill Embankment
Height above lowest foundation level	13.2 m
Dam length	1135.3 m
Reservoir Area	776000.0 m ²
Gross storage capacity	2810000.0 m ³
Effective storage capacity	2590000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	2.3 km ²
Perimeter of catchment	6.4 km
Basin Length	2062.3 m
Form factor	0.53029
Circularity ratio	0.68819
Elongation ratio	0.82142
Highest Stream order	4
Max elevation	66.0 m
Min elevation	55.0 m
Mean bifurcation ratio	3.9340
Stream frequency	61.1860 per km ²
Relief	11.00 m
Drainage density	6.9650 km/km ²
Length of overland flow	71.792 m

CATCHMENT CLIMATOLOGY

