

Vanthali Dam

Location	22.0294° N, 70.6069° E
State	Gujarat
Nearest City	Gondal
Year of Completion	1972
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	T-Bhadr
Dam Type	Earthfill Embankment
Height above lowest foundation level	10.0 m
Dam length	100.0 m
Reservoir Area	620000.0 m ²
Gross storage capacity	1040000.0 m ³
Effective storage capacity	1030000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	12.2 km ²
Perimeter of catchment	16.3 km
Basin Length	5695.6 m
Form factor	0.37721
Circularity ratio	0.57815
Elongation ratio	0.69279
Highest Stream order	5
Max elevation	162.0 m
Min elevation	129.0 m
Mean bifurcation ratio	2.4865
Stream frequency	70.0360 per km ²
Relief	33.00 m
Drainage density	8.9850 km/km ²
Length of overland flow	55.651 m

CATCHMENT CLIMATOLOGY

