

## Ambaradi Dam

Location	22.0186° N, 70.5681° E
State	Gujarat
Nearest City	Gondal
Year of Completion	1975
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	T-Bhadr
Dam Type	Earthfill Embankment
Height above lowest foundation level	18.1 m
Dam length	520.0 m
Reservoir Area	880000.0 m <sup>2</sup>
Gross storage capacity	2160000.0 m <sup>3</sup>
Effective storage capacity	1870000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	34.8 km <sup>2</sup>
Perimeter of catchment	26.6 km
Basin Length	9412.8 m
Form factor	0.39276
Circularity ratio	0.61673
Elongation ratio	0.70693
Highest Stream order	6
Max elevation	162.0 m
Min elevation	112.0 m
Mean bifurcation ratio	2.2031
Stream frequency	70.1450 per km <sup>2</sup>
Relief	50.00 m
Drainage density	9.1290 km/km <sup>2</sup>
Length of overland flow	54.772 m

## CATCHMENT CLIMATOLOGY

