

## Gadaputha Dam

Location	23.4125° N, 69.2867° E
State	Gujarat
Nearest City	Nakhatrana
Year of Completion	1977
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Local River
Dam Type	Earthfill Embankment
Height above lowest foundation level	14.6 m
Dam length	1027.6 m
Reservoir Area	212436.0 m <sup>2</sup>
Gross storage capacity	1340000.0 m <sup>3</sup>
Effective storage capacity	1340000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	29.6 km <sup>2</sup>
Perimeter of catchment	28.2 km
Basin Length	10494.0 m
Form factor	0.26899
Circularity ratio	0.46942
Elongation ratio	0.58503
Highest Stream order	6
Max elevation	218.0 m
Min elevation	76.0 m
Mean bifurcation ratio	3.2290
Stream frequency	74.7420 per km <sup>2</sup>
Relief	142.00 m
Drainage density	9.8610 km/km <sup>2</sup>
Length of overland flow	50.703 m

## CATCHMENT CLIMATOLOGY

