

## Hatadi Dam

Location	22.9631° N, 69.9411° E
State	Gujarat
Nearest City	Kachchh
Year of Completion	1959
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Chhela Nadi
Dam Type	Earthfill Embankment
Height above lowest foundation level	13.9 m
Dam length	2226.0 m
Reservoir Area	1026500.0 m <sup>2</sup>
Gross storage capacity	3230000.0 m <sup>3</sup>
Effective storage capacity	2810000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	35.5 km <sup>2</sup>
Perimeter of catchment	41.5 km
Basin Length	17119.0 m
Form factor	0.12122
Circularity ratio	0.25980
Elongation ratio	0.39273
Highest Stream order	6
Max elevation	151.0 m
Min elevation	29.0 m
Mean bifurcation ratio	2.2274
Stream frequency	70.2360 per km <sup>2</sup>
Relief	122.00 m
Drainage density	9.1110 km/km <sup>2</sup>
Length of overland flow	54.879 m

## CATCHMENT CLIMATOLOGY

