

## **Bhadhaka Dam**

Location	23.0292° N, 73.6925° E
State	Gujarat
Nearest City	Godhara
Year of Completion	1868
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Mahi
River	Kotar
Dam Type	Earthfill Embankment
Height above lowest foundation level	14.0 m
Dam length	81.0 m
Reservoir Area	59902689.0 m <sup>2</sup>
Gross storage capacity	1440000.0 m <sup>3</sup>
Effective storage capacity	1028000.0 m <sup>3</sup>

## **CATCHMENT CHARACTERISTICS**

Catchment Properties	Values
Area of catchment	4.6 km <sup>2</sup>
Perimeter of catchment	9.0 km
Basin Length	2979.0 m
Form factor	0.52046
Circularity ratio	0.71911
Elongation ratio	0.81377
Highest Stream order	4
Max elevation	233.0 m
Min elevation	127.0 m
Mean bifurcation ratio	2.2468
Stream frequency	80.9760 per km <sup>2</sup>
Relief	106.00 m
Drainage density	10.8400 km/km <sup>2</sup>
Length of overland flow	46.125 m

## **CATCHMENT CLIMATOLOGY**

