

## Bhandaria Dam

Location	21.4192° N, 71.8181° E
State	Gujarat
Nearest City	Palitana
Year of Completion	1980
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Local Stream
Dam Type	Earthfill Embankment
Height above lowest foundation level	17.5 m
Dam length	340.0 m
Reservoir Area	206859.0 m <sup>2</sup>
Gross storage capacity	1480000.0 m <sup>3</sup>
Effective storage capacity	1360000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	11.6 km <sup>2</sup>
Perimeter of catchment	16.5 km
Basin Length	4538.1 m
Form factor	0.56368
Circularity ratio	0.53342
Elongation ratio	0.84689
Highest Stream order	5
Max elevation	343.0 m
Min elevation	68.0 m
Mean bifurcation ratio	2.9958
Stream frequency	77.0990 per km <sup>2</sup>
Relief	275.00 m
Drainage density	10.3670 km/km <sup>2</sup>
Length of overland flow	48.232 m

## CATCHMENT CLIMATOLOGY

