

## Jangadiya Dam

Location	23.4622° N, 68.8828° E
State	Gujarat
Nearest City	Abdasa
Year of Completion	1983
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Khari
Dam Type	Earthfill Embankment
Height above lowest foundation level	21.9 m
Dam length	990.0 m
Reservoir Area	2150000.0 m <sup>2</sup>
Gross storage capacity	9040000.0 m <sup>3</sup>
Effective storage capacity	6850000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	149.2 km <sup>2</sup>
Perimeter of catchment	59.0 km
Basin Length	16243.0 m
Form factor	0.56541
Circularity ratio	0.53886
Elongation ratio	0.84818
Highest Stream order	7
Max elevation	229.0 m
Min elevation	22.0 m
Mean bifurcation ratio	2.3175
Stream frequency	76.1870 per km <sup>2</sup>
Relief	207.00 m
Drainage density	10.2470 km/km <sup>2</sup>
Length of overland flow	48.793 m

## CATCHMENT CLIMATOLOGY

