

## Kunaria Dam

Location	23.8339° N, 69.8769° E
State	Gujarat
Nearest City	Bhuj
Year of Completion	1973
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Bhuj
Dam Type	Earthfill Embankment
Height above lowest foundation level	17.1 m
Dam length	828.0 m
Reservoir Area	382000.0 m <sup>2</sup>
Gross storage capacity	1050000.0 m <sup>3</sup>
Effective storage capacity	1050000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	14.6 km <sup>2</sup>
Perimeter of catchment	19.5 km
Basin Length	8330.9 m
Form factor	0.21077
Circularity ratio	0.48374
Elongation ratio	0.51786
Highest Stream order	5
Max elevation	237.0 m
Min elevation	34.0 m
Mean bifurcation ratio	2.7694
Stream frequency	78.3410 per km <sup>2</sup>
Relief	203.00 m
Drainage density	10.5220 km/km <sup>2</sup>
Length of overland flow	47.520 m

## CATCHMENT CLIMATOLOGY

