

## Shihan Dam

Location	22.2825° N, 69.6972° E
State	Gujarat
Nearest City	Khambhalia
Year of Completion	1943
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Shihan
Dam Type	Earthfill Embankment
Height above lowest foundation level	14.5 m
Dam length	214.0 m
Reservoir Area	3116685.0 m <sup>2</sup>
Gross storage capacity	11470000.0 m <sup>3</sup>
Effective storage capacity	11470000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	100.1 km <sup>2</sup>
Perimeter of catchment	48.7 km
Basin Length	18773.0 m
Form factor	0.28395
Circularity ratio	0.53046
Elongation ratio	0.60108
Highest Stream order	7
Max elevation	119.0 m
Min elevation	18.0 m
Mean bifurcation ratio	3.2760
Stream frequency	72.2690 per km <sup>2</sup>
Relief	101.00 m
Drainage density	9.4530 km/km <sup>2</sup>
Length of overland flow	52.891 m

## CATCHMENT CLIMATOLOGY

