

## Shivlakha Dam

Location	23.4139° N, 70.6389° E
State	Gujarat
Nearest City	Rapar
Year of Completion	1954
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Bhadargad
Dam Type	Earthfill Embankment
Height above lowest foundation level	17.8 m
Dam length	524.0 m
Reservoir Area	1107000.0 m <sup>2</sup>
Gross storage capacity	5120000.0 m <sup>3</sup>
Effective storage capacity	4140000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	51.0 km <sup>2</sup>
Perimeter of catchment	32.4 km
Basin Length	9188.7 m
Form factor	0.60382
Circularity ratio	0.60994
Elongation ratio	0.87652
Highest Stream order	6
Max elevation	193.0 m
Min elevation	92.0 m
Mean bifurcation ratio	2.1662
Stream frequency	75.4380 per km <sup>2</sup>
Relief	101.00 m
Drainage density	10.1690 km/km <sup>2</sup>
Length of overland flow	49.167 m

## CATCHMENT CLIMATOLOGY

