

## Sandhida Dam

Location	21.6978° N, 71.7558° E
State	Gujarat
Nearest City	Shihor
Year of Completion	1984
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Local Stream
Dam Type	Earthfill Embankment
Height above lowest foundation level	13.0 m
Dam length	592.2 m
Reservoir Area	150000.0 m <sup>2</sup>
Gross storage capacity	830000.0 m <sup>3</sup>
Effective storage capacity	830000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	14.2 km <sup>2</sup>
Perimeter of catchment	16.9 km
Basin Length	5398.8 m
Form factor	0.48672
Circularity ratio	0.62803
Elongation ratio	0.78695
Highest Stream order	5
Max elevation	111.0 m
Min elevation	67.0 m
Mean bifurcation ratio	3.9965
Stream frequency	73.3800 per km <sup>2</sup>
Relief	44.00 m
Drainage density	9.7600 km/km <sup>2</sup>
Length of overland flow	51.228 m

## CATCHMENT CLIMATOLOGY

