

## Guhai Dam

Location	23.7006° N, 73.0503° E
State	Gujarat
Nearest City	Himmatnagar
Year of Completion	1990
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Guhai
Dam Type	Other
Height above lowest foundation level	43.1 m
Dam length	3380.0 m
Reservoir Area	1713000.0 m <sup>2</sup>
Gross storage capacity	62340000.0 m <sup>3</sup>
Effective storage capacity	57040000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	440.6 km <sup>2</sup>
Perimeter of catchment	113.9 km
Basin Length	35521.0 m
Form factor	0.34921
Circularity ratio	0.42669
Elongation ratio	0.66658
Highest Stream order	8
Max elevation	643.0 m
Min elevation	151.0 m
Mean bifurcation ratio	2.4566
Stream frequency	74.3400 per km <sup>2</sup>
Relief	492.00 m
Drainage density	9.9090 km/km <sup>2</sup>
Length of overland flow	50.459 m

## CATCHMENT CLIMATOLOGY

