

## Ghodadharoi Dam

Location	22.9422° N, 70.9753° E
State	Gujarat
Nearest City	Morbi
Year of Completion	1994
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Ghodadharoi
Dam Type	Other
Height above lowest foundation level	28.5 m
Dam length	2801.0 m
Reservoir Area	1874000.0 m <sup>2</sup>
Gross storage capacity	6880000.0 m <sup>3</sup>
Effective storage capacity	5550000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	130.2 km <sup>2</sup>
Perimeter of catchment	61.9 km
Basin Length	22240.0 m
Form factor	0.26314
Circularity ratio	0.42644
Elongation ratio	0.57863
Highest Stream order	7
Max elevation	117.0 m
Min elevation	37.0 m
Mean bifurcation ratio	2.3277
Stream frequency	72.3140 per km <sup>2</sup>
Relief	80.00 m
Drainage density	9.4650 km/km <sup>2</sup>
Length of overland flow	52.826 m

## CATCHMENT CLIMATOLOGY

