

## Shingoda Dam

Location	21.0214° N, 70.7756° E
State	Gujarat
Nearest City	Una.
Year of Completion	1980
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Shingoda
Dam Type	Earthfill Embankment
Height above lowest foundation level	14.7 m
Dam length	1604.0 m
Reservoir Area	5550000.0 m <sup>2</sup>
Gross storage capacity	36401000.0 m <sup>3</sup>
Effective storage capacity	36070000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	273.0 km <sup>2</sup>
Perimeter of catchment	88.1 km
Basin Length	25587.0 m
Form factor	0.41692
Circularity ratio	0.44233
Elongation ratio	0.72835
Highest Stream order	7
Max elevation	597.0 m
Min elevation	116.0 m
Mean bifurcation ratio	2.2098
Stream frequency	74.3450 per km <sup>2</sup>
Relief	481.00 m
Drainage density	10.0590 km/km <sup>2</sup>
Length of overland flow	49.705 m

## CATCHMENT CLIMATOLOGY

