

## Umbari Dam

Location	24.2244° N, 72.9292° E
State	Gujarat
Nearest City	Danta
Year of Completion	1963
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	T Of Sabarmati
Dam Type	Earthfill Embankment
Height above lowest foundation level	17.0 m
Dam length	154.0 m
Reservoir Area	103302.0 m <sup>2</sup>
Gross storage capacity	1513000.0 m <sup>3</sup>
Effective storage capacity	1365000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	10.3 km <sup>2</sup>
Perimeter of catchment	14.1 km
Basin Length	4528.9 m
Form factor	0.50439
Circularity ratio	0.65642
Elongation ratio	0.80111
Highest Stream order	5
Max elevation	655.0 m
Min elevation	245.0 m
Mean bifurcation ratio	2.3490
Stream frequency	82.0650 per km <sup>2</sup>
Relief	410.00 m
Drainage density	11.3290 km/km <sup>2</sup>
Length of overland flow	44.136 m

## CATCHMENT CLIMATOLOGY

