

## Sorna Dam

Location	21.4381° N, 79.5897° E
State	Maharashtra
Nearest City	Tumsar
Year of Completion	1974
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	Godavari
River	Chimla Nala
Dam Type	Earthfill Embankment
Height above lowest foundation level	14.3 m
Dam length	1448.0 m
Reservoir Area	20660.0 m <sup>2</sup>
Gross storage capacity	6170000.0 m <sup>3</sup>
Effective storage capacity	5730000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	22.8 km <sup>2</sup>
Perimeter of catchment	22.1 km
Basin Length	6538.7 m
Form factor	0.53295
Circularity ratio	0.58451
Elongation ratio	0.82348
Highest Stream order	5
Max elevation	449.0 m
Min elevation	287.0 m
Mean bifurcation ratio	2.3207
Stream frequency	78.9080 per km <sup>2</sup>
Relief	162.00 m
Drainage density	10.8650 km/km <sup>2</sup>
Length of overland flow	46.019 m

## CATCHMENT CLIMATOLOGY

