

## Ranapisa Dam

Location	21.4025° N, 76.7889° E
State	Maharashtra
Nearest City	Dharni
Year of Completion	2014
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	Tapi
River	Local Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	18.0 m
Dam length	342.0 m
Reservoir Area	506200.0 m <sup>2</sup>
Gross storage capacity	2668000.0 m <sup>3</sup>
Effective storage capacity	2160000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	40.0 km <sup>2</sup>
Perimeter of catchment	31.7 km
Basin Length	10296.0 m
Form factor	0.37701
Circularity ratio	0.50015
Elongation ratio	0.69260
Highest Stream order	6
Max elevation	634.0 m
Min elevation	327.0 m
Mean bifurcation ratio	2.7564
Stream frequency	77.1680 per km <sup>2</sup>
Relief	307.00 m
Drainage density	10.4400 km/km <sup>2</sup>
Length of overland flow	47.891 m

## CATCHMENT CLIMATOLOGY

