

## Shirwade Dam

Location	21.3417° N, 74.1047° E
State	Maharashtra
Nearest City	Nandurbar
Year of Completion	1987
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	Tapi
River	Rankapala
Dam Type	Earthfill Embankment
Height above lowest foundation level	19.4 m
Dam length	932.0 m
Reservoir Area	76000.0 m <sup>2</sup>
Gross storage capacity	1933000.0 m <sup>3</sup>
Effective storage capacity	1845000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	7.9 km <sup>2</sup>
Perimeter of catchment	14.4 km
Basin Length	5127.9 m
Form factor	0.30121
Circularity ratio	0.47937
Elongation ratio	0.61907
Highest Stream order	5
Max elevation	245.0 m
Min elevation	177.0 m
Mean bifurcation ratio	2.3642
Stream frequency	72.3440 per km <sup>2</sup>
Relief	68.00 m
Drainage density	9.3210 km/km <sup>2</sup>
Length of overland flow	53.645 m

## CATCHMENT CLIMATOLOGY

