

## Phanaswadi Dam

Location	17.4856° N, 73.5106° E
State	Maharashtra
Nearest City	Chiplun
Year of Completion	1972
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	West Coast
River	Shiv Nala
Dam Type	Earthfill Embankment
Height above lowest foundation level	20.0 m
Dam length	456.0 m
Reservoir Area	230000.0 m <sup>2</sup>
Gross storage capacity	1408000.0 m <sup>3</sup>
Effective storage capacity	1306000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	15.4 km <sup>2</sup>
Perimeter of catchment	16.9 km
Basin Length	4845.4 m
Form factor	0.65486
Circularity ratio	0.67519
Elongation ratio	0.91281
Highest Stream order	5
Max elevation	346.0 m
Min elevation	26.0 m
Mean bifurcation ratio	3.4372
Stream frequency	84.0350 per km <sup>2</sup>
Relief	320.00 m
Drainage density	12.3380 km/km <sup>2</sup>
Length of overland flow	40.526 m

## CATCHMENT CLIMATOLOGY

