

## Palibhutawali Dam

Location	18.9806° N, 73.3208° E
State	Maharashtra
Nearest City	Karjat
Year of Completion	2005
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	West Coast
River	Matheran Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	32.4 m
Dam length	675.0 m
Reservoir Area	964230.0 m <sup>2</sup>
Gross storage capacity	1307000.0 m <sup>3</sup>
Effective storage capacity	1282600.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	12.0 km <sup>2</sup>
Perimeter of catchment	13.4 km
Basin Length	3870.7 m
Form factor	0.80237
Circularity ratio	0.83873
Elongation ratio	1.01040
Highest Stream order	5
Max elevation	742.0 m
Min elevation	52.0 m
Mean bifurcation ratio	3.0065
Stream frequency	84.6830 per km <sup>2</sup>
Relief	690.00 m
Drainage density	12.0460 km/km <sup>2</sup>
Length of overland flow	41.508 m

## CATCHMENT CLIMATOLOGY

