

## Gadhawali Dam

Location	21.6594° N, 74.2481° E
State	Maharashtra
Nearest City	Shahada
Year of Completion	1994
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	Tapi
River	Local Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	16.5 m
Dam length	829.0 m
Reservoir Area	20000.0 m <sup>2</sup>
Gross storage capacity	940000.0 m <sup>3</sup>
Effective storage capacity	880000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	6.7 km <sup>2</sup>
Perimeter of catchment	12.1 km
Basin Length	4829.8 m
Form factor	0.28746
Circularity ratio	0.57923
Elongation ratio	0.60478
Highest Stream order	4
Max elevation	934.0 m
Min elevation	225.0 m
Mean bifurcation ratio	2.6224
Stream frequency	91.4180 per km <sup>2</sup>
Relief	709.00 m
Drainage density	13.4610 km/km <sup>2</sup>
Length of overland flow	37.144 m

## CATCHMENT CLIMATOLOGY

