

## Lower Vaitarna / Modaksagar Dam

Location	19.6703° N, 73.2911° E
State	Maharashtra
Nearest City	Shahapur
Year of Completion	1954
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	West Coast
River	Vaitarna
Dam Type	Other
Height above lowest foundation level	82.0 m
Dam length	567.1 m
Reservoir Area	8540000.0 m <sup>2</sup>
Gross storage capacity	204980000.0 m <sup>3</sup>
Effective storage capacity	174790000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	464.4 km <sup>2</sup>
Perimeter of catchment	147.1 km
Basin Length	42795.0 m
Form factor	0.25356
Circularity ratio	0.26965
Elongation ratio	0.56800
Highest Stream order	7
Max elevation	1062.0 m
Min elevation	72.0 m
Mean bifurcation ratio	2.1689
Stream frequency	81.7030 per km <sup>2</sup>
Relief	990.00 m
Drainage density	11.8590 km/km <sup>2</sup>
Length of overland flow	42.162 m

## CATCHMENT CLIMATOLOGY

