

Naigaon 1 Dam

Location	18.0942° N, 73.9500° E
State	Maharashtra
Nearest City	Khandala.
Year of Completion	1983
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	Krishna
River	Local Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	18.0 m
Dam length	800.0 m
Reservoir Area	2880000.0 m ²
Gross storage capacity	1336000.0 m ³
Effective storage capacity	1124000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	18.8 km ²
Perimeter of catchment	24.4 km
Basin Length	9397.6 m
Form factor	0.21343
Circularity ratio	0.39847
Elongation ratio	0.52112
Highest Stream order	5
Max elevation	1282.0 m
Min elevation	636.0 m
Mean bifurcation ratio	2.4426
Stream frequency	86.1570 per km ²
Relief	646.00 m
Drainage density	13.0240 km/km ²
Length of overland flow	38.390 m

CATCHMENT CLIMATOLOGY

