

Upper Vaitarana Dam

Location	19.8153° N, 73.5428° E
State	Maharashtra
Nearest City	Igatpuri.
Year of Completion	1973
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	West Coast
River	Vaitarna And Alwandi
Dam Type	Other
Height above lowest foundation level	41.0 m
Dam length	2531.0 m
Reservoir Area	37130000.0 m ²
Gross storage capacity	353960000.0 m ³
Effective storage capacity	331310000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	11.0 km ²
Perimeter of catchment	14.0 km
Basin Length	4452.7 m
Form factor	0.55425
Circularity ratio	0.70613
Elongation ratio	0.83977
Highest Stream order	5
Max elevation	826.0 m
Min elevation	575.0 m
Mean bifurcation ratio	2.8877
Stream frequency	94.0020 per km ²
Relief	251.00 m
Drainage density	14.1680 km/km ²
Length of overland flow	35.291 m

CATCHMENT CLIMATOLOGY

