

Wadiwarhe Dam

Location	19.8633° N, 73.6653° E
State	Maharashtra
Nearest City	Igatpuri
Year of Completion	1983
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	Godavari
River	Local Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	18.6 m
Dam length	515.0 m
Reservoir Area	324000.0 m ²
Gross storage capacity	1737000.0 m ³
Effective storage capacity	1647000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	7.6 km ²
Perimeter of catchment	11.3 km
Basin Length	3697.8 m
Form factor	0.55873
Circularity ratio	0.75612
Elongation ratio	0.84316
Highest Stream order	5
Max elevation	829.0 m
Min elevation	609.0 m
Mean bifurcation ratio	2.5117
Stream frequency	79.1880 per km ²
Relief	220.00 m
Drainage density	10.8810 km/km ²
Length of overland flow	45.951 m

CATCHMENT CLIMATOLOGY

