

Roshani Dam

Location	20.1123° N, 73.4879° E
State	Maharashtra
Nearest City	Trimbakeshwar
Year of Completion	2007
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	West Coast
River	Dmanganga
Dam Type	Earthfill Embankment
Height above lowest foundation level	29.6 m
Dam length	1120.0 m
Reservoir Area	9967000.0 m ²
Gross storage capacity	6626000.0 m ³
Effective storage capacity	5942000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	47.6 km ²
Perimeter of catchment	33.9 km
Basin Length	8292.8 m
Form factor	0.69230
Circularity ratio	0.51992
Elongation ratio	0.93855
Highest Stream order	6
Max elevation	913.0 m
Min elevation	354.0 m
Mean bifurcation ratio	7.0271
Stream frequency	84.4370 per km ²
Relief	559.00 m
Drainage density	12.4250 km/km ²
Length of overland flow	40.241 m

CATCHMENT CLIMATOLOGY

