

Mogarda Dam

Location	21.5167° N, 76.9167° E
State	Maharashtra
Nearest City	Dharni
Year of Completion	1988
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	Tapi
River	Local Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	14.6 m
Dam length	438.0 m
Reservoir Area	418100.0 m ²
Gross storage capacity	1650000.0 m ³
Effective storage capacity	1600000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	6.3 km ²
Perimeter of catchment	12.7 km
Basin Length	3997.5 m
Form factor	0.39202
Circularity ratio	0.49184
Elongation ratio	0.70626
Highest Stream order	4
Max elevation	400.0 m
Min elevation	326.0 m
Mean bifurcation ratio	2.2728
Stream frequency	76.9420 per km ²
Relief	74.00 m
Drainage density	10.2530 km/km ²
Length of overland flow	48.764 m

CATCHMENT CLIMATOLOGY

