

Gadgadi Dam

Location	17.2817° N, 73.6378° E
State	Maharashtra
Nearest City	Sangneshwar
Year of Completion	2001
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	West Coast
River	Gadgadi
Dam Type	Earthfill Embankment
Height above lowest foundation level	35.8 m
Dam length	616.0 m
Reservoir Area	1097000.0 m ²
Gross storage capacity	13526000.0 m ³
Effective storage capacity	12159000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	41.4 km ²
Perimeter of catchment	28.3 km
Basin Length	7258.1 m
Form factor	0.78567
Circularity ratio	0.64769
Elongation ratio	0.99984
Highest Stream order	6
Max elevation	936.0 m
Min elevation	60.0 m
Mean bifurcation ratio	4.4306
Stream frequency	86.6650 per km ²
Relief	876.00 m
Drainage density	13.1930 km/km ²
Length of overland flow	37.898 m

CATCHMENT CLIMATOLOGY

