

Gaddavane (Shindewadi) Dam

Location	18.5000° N, 73.6442° E
State	Maharashtra
Nearest City	Mulshi
Year of Completion	2007
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	Krishna
River	Local Nala
Dam Type	Earthfill Embankment
Height above lowest foundation level	26.2 m
Dam length	260.0 m
Reservoir Area	104010.0 m ²
Gross storage capacity	2150000.0 m ³
Effective storage capacity	2060000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	2.5 km ²
Perimeter of catchment	6.6 km
Basin Length	1869.9 m
Form factor	0.72479
Circularity ratio	0.72789
Elongation ratio	0.96032
Highest Stream order	4
Max elevation	943.0 m
Min elevation	669.0 m
Mean bifurcation ratio	2.8424
Stream frequency	84.8350 per km ²
Relief	274.00 m
Drainage density	12.0740 km/km ²
Length of overland flow	41.412 m

CATCHMENT CLIMATOLOGY

