

Ghatkarwadi Dam

Location	16.0442° N, 74.0725° E
State	Maharashtra
Nearest City	Ajara
Year of Completion	2008
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	West Coast
River	Local Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	21.9 m
Dam length	21.9 m
Reservoir Area	23740.0 m ²
Gross storage capacity	1664000.0 m ³
Effective storage capacity	1574000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	6.3 km ²
Perimeter of catchment	11.2 km
Basin Length	3984.5 m
Form factor	0.39438
Circularity ratio	0.62627
Elongation ratio	0.70838
Highest Stream order	4
Max elevation	1025.0 m
Min elevation	686.0 m
Mean bifurcation ratio	2.9158
Stream frequency	98.3860 per km ²
Relief	339.00 m
Drainage density	14.9830 km/km ²
Length of overland flow	33.371 m

CATCHMENT CLIMATOLOGY

