

Vadgaon (Satara) Dam

Location	18.0986° N, 73.9406° E
State	Maharashtra
Nearest City	Khandala.
Year of Completion	1980
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	Krishna
River	Mandnalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	21.7 m
Dam length	526.0 m
Reservoir Area	440000.0 m ²
Gross storage capacity	2980000.0 m ³
Effective storage capacity	2560000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	40.2 km ²
Perimeter of catchment	28.4 km
Basin Length	9785.9 m
Form factor	0.41954
Circularity ratio	0.62504
Elongation ratio	0.73062
Highest Stream order	6
Max elevation	1346.0 m
Min elevation	637.0 m
Mean bifurcation ratio	6.2644
Stream frequency	84.0800 per km ²
Relief	709.00 m
Drainage density	12.3960 km/km ²
Length of overland flow	40.337 m

CATCHMENT CLIMATOLOGY

