

Satara Dam

Location	19.8647° N, 74.7811° E
State	Maharashtra
Nearest City	Vaijapur
Year of Completion	1978
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	Godavari
River	Local Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	12.1 m
Dam length	1226.0 m
Reservoir Area	640000.0 m ²
Gross storage capacity	1380000.0 m ³
Effective storage capacity	1160000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	19.7 km ²
Perimeter of catchment	19.4 km
Basin Length	7148.9 m
Form factor	0.38512
Circularity ratio	0.65749
Elongation ratio	0.70001
Highest Stream order	5
Max elevation	554.0 m
Min elevation	500.0 m
Mean bifurcation ratio	2.1555
Stream frequency	72.4000 per km ²
Relief	54.00 m
Drainage density	9.6140 km/km ²
Length of overland flow	52.006 m

CATCHMENT CLIMATOLOGY

