

Mandve (Satara) Dam

Location	17.5661° N, 73.9878° E
State	Maharashtra
Nearest City	Satara
Year of Completion	1994
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	Krishna
River	Vasna
Dam Type	Earthfill Embankment
Height above lowest foundation level	19.5 m
Dam length	1080.0 m
Reservoir Area	504000.0 m ²
Gross storage capacity	1150000.0 m ³
Effective storage capacity	1050000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	12.0 km ²
Perimeter of catchment	13.8 km
Basin Length	4665.0 m
Form factor	0.55004
Circularity ratio	0.78609
Elongation ratio	0.83658
Highest Stream order	5
Max elevation	1126.0 m
Min elevation	688.0 m
Mean bifurcation ratio	17.0870
Stream frequency	97.2410 per km ²
Relief	438.00 m
Drainage density	15.1990 km/km ²
Length of overland flow	32.897 m

CATCHMENT CLIMATOLOGY

