

Shirdhane Dam

Location	20.9944° N, 74.5414° E
State	Maharashtra
Nearest City	Dhule
Year of Completion	1998
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	Tapi
River	Panzara
Dam Type	Earthfill Embankment
Height above lowest foundation level	10.8 m
Dam length	1890.0 m
Reservoir Area	38170.0 m ²
Gross storage capacity	2550000.0 m ³
Effective storage capacity	2260000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	4.4 km ²
Perimeter of catchment	9.3 km
Basin Length	2830.7 m
Form factor	0.54500
Circularity ratio	0.63104
Elongation ratio	0.83274
Highest Stream order	5
Max elevation	392.0 m
Min elevation	362.0 m
Mean bifurcation ratio	7.9984
Stream frequency	78.9990 per km ²
Relief	30.00 m
Drainage density	10.9240 km/km ²
Length of overland flow	45.772 m

CATCHMENT CLIMATOLOGY

