

Sonwad Dam

Location	21.0703° N, 74.8406° E
State	Maharashtra
Nearest City	Sindkheda
Year of Completion	1998
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	Tapi
River	Sonund
Dam Type	Earthfill Embankment
Height above lowest foundation level	18.6 m
Dam length	4699.0 m
Reservoir Area	450000.0 m ²
Gross storage capacity	17520000.0 m ³
Effective storage capacity	14360000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	126.4 km ²
Perimeter of catchment	54.3 km
Basin Length	19425.0 m
Form factor	0.33486
Circularity ratio	0.53963
Elongation ratio	0.65274
Highest Stream order	7
Max elevation	364.0 m
Min elevation	195.0 m
Mean bifurcation ratio	5.0532
Stream frequency	72.5520 per km ²
Relief	169.00 m
Drainage density	9.6350 km/km ²
Length of overland flow	51.895 m

CATCHMENT CLIMATOLOGY

