

Sonpalli Dam

Location	21.1447° N, 76.6203° E
State	Maharashtra
Nearest City	Jalgaon
Year of Completion	1998
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	Tapi
River	Local Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	20.5 m
Dam length	542.0 m
Reservoir Area	208000.0 m ²
Gross storage capacity	963000.0 m ³
Effective storage capacity	714200.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	15.2 km ²
Perimeter of catchment	19.7 km
Basin Length	6486.4 m
Form factor	0.36021
Circularity ratio	0.49173
Elongation ratio	0.67699
Highest Stream order	5
Max elevation	852.0 m
Min elevation	408.0 m
Mean bifurcation ratio	2.5424
Stream frequency	82.4790 per km ²
Relief	444.00 m
Drainage density	11.7400 km/km ²
Length of overland flow	42.591 m

CATCHMENT CLIMATOLOGY

