

Sonkhadki Dam

Location	21.1186° N, 73.8781° E
State	Maharashtra
Nearest City	Navapur
Year of Completion	1997
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	Tapi
River	Local Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	18.5 m
Dam length	705.0 m
Reservoir Area	500000.0 m ²
Gross storage capacity	3279000.0 m ³
Effective storage capacity	3203000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	6.7 km ²
Perimeter of catchment	11.6 km
Basin Length	4072.0 m
Form factor	0.40545
Circularity ratio	0.62656
Elongation ratio	0.71825
Highest Stream order	4
Max elevation	314.0 m
Min elevation	189.0 m
Mean bifurcation ratio	2.6736
Stream frequency	88.8030 per km ²
Relief	125.00 m
Drainage density	12.2420 km/km ²
Length of overland flow	40.842 m

CATCHMENT CLIMATOLOGY

