

## Sonala Dam

Location	20.3106° N, 77.1878° E
State	Maharashtra
Nearest City	Jalkot
Year of Completion	2006
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	Godavari
River	Local Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	16.3 m
Dam length	590000.0 m
Reservoir Area	1490000.0 m <sup>2</sup>
Gross storage capacity	5491000.0 m <sup>3</sup>
Effective storage capacity	4720000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	111.2 km <sup>2</sup>
Perimeter of catchment	50.0 km
Basin Length	16256.0 m
Form factor	0.42061
Circularity ratio	0.55809
Elongation ratio	0.73156
Highest Stream order	7
Max elevation	569.0 m
Min elevation	435.0 m
Mean bifurcation ratio	2.2398
Stream frequency	75.6450 per km <sup>2</sup>
Relief	134.00 m
Drainage density	10.4500 km/km <sup>2</sup>
Length of overland flow	47.847 m

## CATCHMENT CLIMATOLOGY

