

Sonawale Dam

Location	19.2583° N, 73.6083° E
State	Maharashtra
Nearest City	Murbad
Year of Completion	2008
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	West Coast
River	Local Nala
Dam Type	Earthfill Embankment
Height above lowest foundation level	24.9 m
Dam length	915.0 m
Reservoir Area	240800000.0 m ²
Gross storage capacity	2021.3 m ³
Effective storage capacity	1801.7 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	32.3 km ²
Perimeter of catchment	26.6 km
Basin Length	9807.6 m
Form factor	0.33613
Circularity ratio	0.57230
Elongation ratio	0.65398
Highest Stream order	6
Max elevation	1206.0 m
Min elevation	137.0 m
Mean bifurcation ratio	2.8939
Stream frequency	89.6320 per km ²
Relief	1069.00 m
Drainage density	13.4990 km/km ²
Length of overland flow	37.040 m

CATCHMENT CLIMATOLOGY

