

Sonal Dam

Location	20.3183° N, 77.2075° E
State	Maharashtra
Nearest City	Malegaon
Year of Completion	1981
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	Godavari
River	Aran
Dam Type	Earthfill Embankment
Height above lowest foundation level	19.9 m
Dam length	1131.0 m
Reservoir Area	2440000.0 m ²
Gross storage capacity	20270000.0 m ³
Effective storage capacity	16920000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	136.4 km ²
Perimeter of catchment	54.3 km
Basin Length	17116.0 m
Form factor	0.46559
Circularity ratio	0.58135
Elongation ratio	0.76968
Highest Stream order	7
Max elevation	569.0 m
Min elevation	435.0 m
Mean bifurcation ratio	6.6114
Stream frequency	76.2130 per km ²
Relief	134.00 m
Drainage density	10.5340 km/km ²
Length of overland flow	47.466 m

CATCHMENT CLIMATOLOGY

