

Rotha- I Dam

Location	20.7578° N, 78.5508° E
State	Maharashtra
Nearest City	Wardha
Year of Completion	1995
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	Godavari
River	Local Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	12.7 m
Dam length	1008.0 m
Reservoir Area	752000.0 m ²
Gross storage capacity	2050000.0 m ³
Effective storage capacity	1910000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	15.0 km ²
Perimeter of catchment	17.8 km
Basin Length	4150.9 m
Form factor	0.86908
Circularity ratio	0.59544
Elongation ratio	1.05160
Highest Stream order	6
Max elevation	320.0 m
Min elevation	262.0 m
Mean bifurcation ratio	9.3127
Stream frequency	72.2570 per km ²
Relief	58.00 m
Drainage density	9.6990 km/km ²
Length of overland flow	51.553 m

CATCHMENT CLIMATOLOGY

