

Madan Dam

Location	20.9386° N, 78.5356° E
State	Maharashtra
Nearest City	Arvi
Year of Completion	2003
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	Godavari
River	Madan Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	26.6 m
Dam length	1230.0 m
Reservoir Area	1644793.0 m ²
Gross storage capacity	11400000.0 m ³
Effective storage capacity	10500000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	41.6 km ²
Perimeter of catchment	26.5 km
Basin Length	8699.3 m
Form factor	0.54977
Circularity ratio	0.74689
Elongation ratio	0.83637
Highest Stream order	6
Max elevation	478.0 m
Min elevation	312.0 m
Mean bifurcation ratio	2.9858
Stream frequency	75.9040 per km ²
Relief	166.00 m
Drainage density	10.3610 km/km ²
Length of overland flow	48.259 m

CATCHMENT CLIMATOLOGY

