

Madani Dam

Location	20.6556° N, 75.8736° E
State	Maharashtra
Nearest City	Jamner
Year of Completion	2000
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	Tapi
River	Local Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	10.7 m
Dam length	690.0 m
Reservoir Area	499500.0 m ²
Gross storage capacity	979920.0 m ³
Effective storage capacity	839240.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	12.5 km ²
Perimeter of catchment	17.6 km
Basin Length	7651.3 m
Form factor	0.21277
Circularity ratio	0.50424
Elongation ratio	0.52031
Highest Stream order	4
Max elevation	376.0 m
Min elevation	312.0 m
Mean bifurcation ratio	2.1994
Stream frequency	74.0200 per km ²
Relief	64.00 m
Drainage density	9.6950 km/km ²
Length of overland flow	51.572 m

CATCHMENT CLIMATOLOGY

