

## Madan Sagar Dam

Location	25.7408° N, 78.9986° E
State	Madhya Pradesh
Nearest City	Tikamgarh
Year of Completion	1966
Operated and Maintained by	Madhya Pradesh Water Resources Department
River Basin	Ganga
River	Kulwara Nala
Dam Type	Earthfill Embankment
Height above lowest foundation level	18.3 m
Dam length	960.0 m
Reservoir Area	2012354.0 m <sup>2</sup>
Gross storage capacity	12850000.0 m <sup>3</sup>
Effective storage capacity	12230000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	70.1 km <sup>2</sup>
Perimeter of catchment	57.3 km
Basin Length	19938.0 m
Form factor	0.17642
Circularity ratio	0.26868
Elongation ratio	0.47379
Highest Stream order	6
Max elevation	191.0 m
Min elevation	162.0 m
Mean bifurcation ratio	2.2436
Stream frequency	65.8040 per km <sup>2</sup>
Relief	29.00 m
Drainage density	7.8900 km/km <sup>2</sup>
Length of overland flow	63.371 m

## CATCHMENT CLIMATOLOGY

