

## Madan Sagar Dam

Location	25.0092° N, 79.0386° E
State	Madhya Pradesh
Nearest City	Sambalpur
Year of Completion	1970
Operated and Maintained by	Madhya Pradesh Water Resources Department
River Basin	Ganga
River	Ghatprabha
Dam Type	Earthfill Embankment
Height above lowest foundation level	10.7 m
Dam length	1158.0 m
Reservoir Area	1801534.0 m <sup>2</sup>
Gross storage capacity	2580000.0 m <sup>3</sup>
Effective storage capacity	2440000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	29.7 km <sup>2</sup>
Perimeter of catchment	34.0 km
Basin Length	9930.2 m
Form factor	0.30078
Circularity ratio	0.32238
Elongation ratio	0.61863
Highest Stream order	6
Max elevation	364.0 m
Min elevation	245.0 m
Mean bifurcation ratio	2.1149
Stream frequency	71.4100 per km <sup>2</sup>
Relief	119.00 m
Drainage density	9.1320 km/km <sup>2</sup>
Length of overland flow	54.755 m

## CATCHMENT CLIMATOLOGY

