

## Gwal Sagar Dam

Location	24.7500° N, 79.0631° E
State	Madhya Pradesh
Nearest City	Tikamgarh
Year of Completion	1968
Operated and Maintained by	Madhya Pradesh Water Resources Department
River Basin	Ganga
River	Local
Dam Type	Earthfill Embankment
Height above lowest foundation level	20.7 m
Dam length	137.0 m
Reservoir Area	2816000.0 m <sup>2</sup>
Gross storage capacity	10248000.0 m <sup>3</sup>
Effective storage capacity	10248000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	32.4 km <sup>2</sup>
Perimeter of catchment	25.5 km
Basin Length	8486.5 m
Form factor	0.45038
Circularity ratio	0.62533
Elongation ratio	0.75700
Highest Stream order	5
Max elevation	384.0 m
Min elevation	318.0 m
Mean bifurcation ratio	2.4560
Stream frequency	75.4400 per km <sup>2</sup>
Relief	66.00 m
Drainage density	10.0460 km/km <sup>2</sup>
Length of overland flow	49.773 m

## CATCHMENT CLIMATOLOGY

