

## Gidwasan Dam

Location	25.9192° N, 78.6144° E
State	Madhya Pradesh
Nearest City	Tikamgarh
Year of Completion	1985
Operated and Maintained by	Madhya Pradesh Water Resources Department
River Basin	Ganga
River	Local
Dam Type	Earthfill Embankment
Height above lowest foundation level	12.2 m
Dam length	97.0 m
Reservoir Area	3404.0 m <sup>2</sup>
Gross storage capacity	1530000.0 m <sup>3</sup>
Effective storage capacity	1530000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	251.7 km <sup>2</sup>
Perimeter of catchment	82.5 km
Basin Length	30526.0 m
Form factor	0.27008
Circularity ratio	0.46499
Elongation ratio	0.58621
Highest Stream order	7
Max elevation	212.0 m
Min elevation	174.0 m
Mean bifurcation ratio	2.4371
Stream frequency	71.9250 per km <sup>2</sup>
Relief	38.00 m
Drainage density	9.0570 km/km <sup>2</sup>
Length of overland flow	55.209 m

## CATCHMENT CLIMATOLOGY

