

## Gadaghat Dam

Location	23.8075° N, 79.8225° E
State	Madhya Pradesh
Nearest City	Hatta
Year of Completion	1980
Operated and Maintained by	Madhya Pradesh Water Resources Department
River Basin	Ganga
River	Local
Dam Type	Earthfill Embankment
Height above lowest foundation level	16.8 m
Dam length	450.0 m
Reservoir Area	240000.0 m <sup>2</sup>
Gross storage capacity	710000.0 m <sup>3</sup>
Effective storage capacity	660000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	18.3 km <sup>2</sup>
Perimeter of catchment	20.9 km
Basin Length	7561.5 m
Form factor	0.32002
Circularity ratio	0.52787
Elongation ratio	0.63811
Highest Stream order	5
Max elevation	514.0 m
Min elevation	345.0 m
Mean bifurcation ratio	2.2165
Stream frequency	78.3710 per km <sup>2</sup>
Relief	169.00 m
Drainage density	10.6850 km/km <sup>2</sup>
Length of overland flow	46.795 m

## CATCHMENT CLIMATOLOGY

