

## Barnai Dam

Location	24.3786° N, 81.8167° E
State	Madhya Pradesh
Nearest City	Sidhi
Year of Completion	1990
Operated and Maintained by	Madhya Pradesh Water Resources Department
River Basin	Ganga
River	Local
Dam Type	Earthfill Embankment
Height above lowest foundation level	18.3 m
Dam length	170.0 m
Reservoir Area	120000.0 m <sup>2</sup>
Gross storage capacity	1661000.0 m <sup>3</sup>
Effective storage capacity	1501000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	3.1 km <sup>2</sup>
Perimeter of catchment	8.3 km
Basin Length	3805.5 m
Form factor	0.21422
Circularity ratio	0.57179
Elongation ratio	0.52209
Highest Stream order	3
Max elevation	324.0 m
Min elevation	292.0 m
Mean bifurcation ratio	2.1625
Stream frequency	69.6260 per km <sup>2</sup>
Relief	32.00 m
Drainage density	8.6540 km/km <sup>2</sup>
Length of overland flow	57.775 m

## CATCHMENT CLIMATOLOGY

