

## Gagan Dam

Location	22.2553° N, 75.8425° E
State	Madhya Pradesh
Nearest City	Maheshwar
Year of Completion	1959
Operated and Maintained by	Madhya Pradesh Water Resources Department
River Basin	Narmada
River	Local
Dam Type	Earthfill Embankment
Height above lowest foundation level	18.3 m
Dam length	880.0 m
Reservoir Area	1530000.0 m <sup>2</sup>
Gross storage capacity	8340000.0 m <sup>3</sup>
Effective storage capacity	7933000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	40.0 km <sup>2</sup>
Perimeter of catchment	36.7 km
Basin Length	14113.0 m
Form factor	0.20102
Circularity ratio	0.37318
Elongation ratio	0.50574
Highest Stream order	6
Max elevation	731.0 m
Min elevation	186.0 m
Mean bifurcation ratio	2.2217
Stream frequency	78.8050 per km <sup>2</sup>
Relief	545.00 m
Drainage density	10.6650 km/km <sup>2</sup>
Length of overland flow	46.881 m

## CATCHMENT CLIMATOLOGY

