

Gandhwal Dam

Location	21.8581° N, 74.7564° E
State	Madhya Pradesh
Nearest City	Barwani
Year of Completion	1987
Operated and Maintained by	Madhya Pradesh Water Resources Department
River Basin	Narmada
River	Local
Dam Type	Earthfill Embankment
Height above lowest foundation level	17.8 m
Dam length	425.0 m
Reservoir Area	240000.0 m ²
Gross storage capacity	1229000.0 m ³
Effective storage capacity	998000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	15.3 km ²
Perimeter of catchment	19.4 km
Basin Length	7042.4 m
Form factor	0.30819
Circularity ratio	0.51087
Elongation ratio	0.62620
Highest Stream order	5
Max elevation	626.0 m
Min elevation	339.0 m
Mean bifurcation ratio	2.4623
Stream frequency	77.4640 per km ²
Relief	287.00 m
Drainage density	10.7460 km/km ²
Length of overland flow	46.530 m

CATCHMENT CLIMATOLOGY

