

Barmandal Dam

Location	22.8439° N, 75.1131° E
State	Madhya Pradesh
Nearest City	Sardapur
Year of Completion	1980
Operated and Maintained by	Madhya Pradesh Water Resources Department
River Basin	Mahi
River	Baramanda Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	22.6 m
Dam length	990.0 m
Reservoir Area	980000.0 m ²
Gross storage capacity	3710000.0 m ³
Effective storage capacity	3010000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	19.5 km ²
Perimeter of catchment	21.1 km
Basin Length	8148.8 m
Form factor	0.29310
Circularity ratio	0.54996
Elongation ratio	0.61069
Highest Stream order	5
Max elevation	552.0 m
Min elevation	489.0 m
Mean bifurcation ratio	2.0901
Stream frequency	71.5210 per km ²
Relief	63.00 m
Drainage density	9.3940 km/km ²
Length of overland flow	53.228 m

CATCHMENT CLIMATOLOGY

