

Machhalgaon Dam

Location	21.9503° N, 76.0483° E
State	Madhya Pradesh
Nearest City	Bhikangaon
Year of Completion	1997
Operated and Maintained by	Madhya Pradesh Water Resources Department
River Basin	Narmada
River	Local
Dam Type	Earthfill Embankment
Height above lowest foundation level	14.7 m
Dam length	405.0 m
Reservoir Area	307000.0 m ²
Gross storage capacity	1274000.0 m ³
Effective storage capacity	1203000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	7.7 km ²
Perimeter of catchment	12.0 km
Basin Length	3583.3 m
Form factor	0.59764
Circularity ratio	0.66458
Elongation ratio	0.87202
Highest Stream order	5
Max elevation	346.0 m
Min elevation	279.0 m
Mean bifurcation ratio	2.3372
Stream frequency	78.3190 per km ²
Relief	67.00 m
Drainage density	10.4720 km/km ²
Length of overland flow	47.745 m

CATCHMENT CLIMATOLOGY

