

## Moti Nalla Dam

Location	23.8072° N, 79.8228° E
State	Madhya Pradesh
Nearest City	Damoh
Year of Completion	1959
Operated and Maintained by	Madhya Pradesh Water Resources Department
River Basin	Ganga
River	Local
Dam Type	Earthfill Embankment
Height above lowest foundation level	15.6 m
Dam length	732.0 m
Reservoir Area	494000.0 m <sup>2</sup>
Gross storage capacity	2900000.0 m <sup>3</sup>
Effective storage capacity	1693000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	18.2 km <sup>2</sup>
Perimeter of catchment	20.7 km
Basin Length	7568.2 m
Form factor	0.31709
Circularity ratio	0.53316
Elongation ratio	0.63518
Highest Stream order	5
Max elevation	514.0 m
Min elevation	345.0 m
Mean bifurcation ratio	2.2288
Stream frequency	78.9010 per km <sup>2</sup>
Relief	169.00 m
Drainage density	10.7520 km/km <sup>2</sup>
Length of overland flow	46.501 m

## CATCHMENT CLIMATOLOGY

