

## Imalia Dam

Location	23.9925° N, 80.1875° E
State	Madhya Pradesh
Nearest City	Katni
Year of Completion	1979
Operated and Maintained by	Madhya Pradesh Water Resources Department
River Basin	Ganga
River	Local
Dam Type	Earthfill Embankment
Height above lowest foundation level	10.3 m
Dam length	899.0 m
Reservoir Area	244000.0 m <sup>2</sup>
Gross storage capacity	616000.0 m <sup>3</sup>
Effective storage capacity	518000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	2.5 km <sup>2</sup>
Perimeter of catchment	6.5 km
Basin Length	2092.1 m
Form factor	0.57718
Circularity ratio	0.75658
Elongation ratio	0.85697
Highest Stream order	4
Max elevation	481.0 m
Min elevation	413.0 m
Mean bifurcation ratio	2.5133
Stream frequency	80.3600 per km <sup>2</sup>
Relief	68.00 m
Drainage density	10.7490 km/km <sup>2</sup>
Length of overland flow	46.517 m

## CATCHMENT CLIMATOLOGY

