

## Virhana Dam

Location	24.6953° N, 81.1506° E
State	Madhya Pradesh
Nearest City	Satna
Year of Completion	1972
Operated and Maintained by	Madhya Pradesh Water Resources Department
River Basin	Ganga
River	Local
Dam Type	Earthfill Embankment
Height above lowest foundation level	18.3 m
Dam length	762.0 m
Reservoir Area	920000.0 m <sup>2</sup>
Gross storage capacity	3029000.0 m <sup>3</sup>
Effective storage capacity	2879000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	887.4 km <sup>2</sup>
Perimeter of catchment	170.0 km
Basin Length	58163.0 m
Form factor	0.26231
Circularity ratio	0.38589
Elongation ratio	0.57771
Highest Stream order	8
Max elevation	477.0 m
Min elevation	261.0 m
Mean bifurcation ratio	2.4526
Stream frequency	70.2390 per km <sup>2</sup>
Relief	216.00 m
Drainage density	9.0320 km/km <sup>2</sup>
Length of overland flow	55.361 m

## CATCHMENT CLIMATOLOGY

