

## Sohira Dam

Location	24.5028° N, 82.3814° E
State	Madhya Pradesh
Nearest City	Sidhi
Year of Completion	1986
Operated and Maintained by	Madhya Pradesh Water Resources Department
River Basin	Ganga
River	Local
Dam Type	Earthfill Embankment
Height above lowest foundation level	15.9 m
Dam length	1020.0 m
Reservoir Area	754000.0 m <sup>2</sup>
Gross storage capacity	2297000.0 m <sup>3</sup>
Effective storage capacity	2097000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	16.7 km <sup>2</sup>
Perimeter of catchment	20.6 km
Basin Length	5883.1 m
Form factor	0.48312
Circularity ratio	0.49326
Elongation ratio	0.78404
Highest Stream order	5
Max elevation	417.0 m
Min elevation	219.0 m
Mean bifurcation ratio	2.2955
Stream frequency	77.6850 per km <sup>2</sup>
Relief	198.00 m
Drainage density	10.1380 km/km <sup>2</sup>
Length of overland flow	49.320 m

## CATCHMENT CLIMATOLOGY

