

## Barhi Dam

Location	24.2625° N, 85.4328° E
State	Jharkhand
Nearest City	Hazaribagh
Year of Completion	1981
Operated and Maintained by	Jharkhand Water Resources Department
River Basin	Subarnarekha
River	Matwghat.
Dam Type	Earthfill Embankment
Height above lowest foundation level	12.9 m
Dam length	1057.9 m
Reservoir Area	51172865.0 m <sup>2</sup>
Gross storage capacity	3207000.0 m <sup>3</sup>
Effective storage capacity	1580000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	13.0 km <sup>2</sup>
Perimeter of catchment	16.0 km
Basin Length	5216.7 m
Form factor	0.47908
Circularity ratio	0.64324
Elongation ratio	0.78075
Highest Stream order	5
Max elevation	438.0 m
Min elevation	389.0 m
Mean bifurcation ratio	2.1530
Stream frequency	74.8620 per km <sup>2</sup>
Relief	49.00 m
Drainage density	9.7480 km/km <sup>2</sup>
Length of overland flow	51.294 m

## CATCHMENT CLIMATOLOGY

