

## Gonda Dam

Location	23.9931° N, 85.3069° E
State	Jharkhand
Nearest City	Hazaribagh
Year of Completion	1954
Operated and Maintained by	Jharkhand Water Resources Department
River Basin	Subarnarekha
River	Gonda.
Dam Type	Earthfill Embankment
Height above lowest foundation level	16.8 m
Dam length	1006.0 m
Reservoir Area	399900.0 m <sup>2</sup>
Gross storage capacity	2257000.0 m <sup>3</sup>
Effective storage capacity	1579900.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	4.9 km <sup>2</sup>
Perimeter of catchment	9.3 km
Basin Length	2950.8 m
Form factor	0.55721
Circularity ratio	0.70586
Elongation ratio	0.84201
Highest Stream order	5
Max elevation	658.0 m
Min elevation	614.0 m
Mean bifurcation ratio	2.4471
Stream frequency	75.4360 per km <sup>2</sup>
Relief	44.00 m
Drainage density	9.9080 km/km <sup>2</sup>
Length of overland flow	50.464 m

## CATCHMENT CLIMATOLOGY

