

Bhagwantola Dam

Location	20.6939° N, 80.7228° E
State	Chhattisgarh
Nearest City	Rajnandgaon
Year of Completion	1986
Operated and Maintained by	Chhattisgarh Water Resources Department
River Basin	Mahanadi
River	Local Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	11.7 m
Dam length	411.0 m
Reservoir Area	334000.0 m ²
Gross storage capacity	1293000.0 m ³
Effective storage capacity	1214000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	5.9 km ²
Perimeter of catchment	12.2 km
Basin Length	4253.8 m
Form factor	0.32794
Circularity ratio	0.50144
Elongation ratio	0.64596
Highest Stream order	5
Max elevation	464.0 m
Min elevation	356.0 m
Mean bifurcation ratio	2.3533
Stream frequency	77.0120 per km ²
Relief	108.00 m
Drainage density	10.2390 km/km ²
Length of overland flow	48.834 m

CATCHMENT CLIMATOLOGY

