

Baranadi Dam

Location	24.1178° N, 87.4003° E
State	Jharkhand
Nearest City	Dumka
Year of Completion	1967
Operated and Maintained by	Jharkhand Water Resources Department
River Basin	Ganga
River	Baranadi.
Dam Type	Earthfill Embankment
Height above lowest foundation level	19.5 m
Dam length	221.0 m
Reservoir Area	2110000.0 m ²
Gross storage capacity	5640000.0 m ³
Effective storage capacity	4555000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	19.9 km ²
Perimeter of catchment	19.5 km
Basin Length	5598.9 m
Form factor	0.63464
Circularity ratio	0.65455
Elongation ratio	0.89861
Highest Stream order	6
Max elevation	286.0 m
Min elevation	114.0 m
Mean bifurcation ratio	6.7963
Stream frequency	79.2680 per km ²
Relief	172.00 m
Drainage density	10.5420 km/km ²
Length of overland flow	47.428 m

CATCHMENT CLIMATOLOGY

