

Nandini Dam

Location	23.3886° N, 84.8386° E
State	Jharkhand
Nearest City	Lohardaga
Year of Completion	1987
Operated and Maintained by	Jharkhand Water Resources Department
River Basin	Brahmani
River	Nandini.
Dam Type	Rock fill Embankment
Height above lowest foundation level	17.1 m
Dam length	1646.3 m
Reservoir Area	5580000.0 m ²
Gross storage capacity	193000000.0 m ³
Effective storage capacity	16930000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	66.6 km ²
Perimeter of catchment	37.3 km
Basin Length	10709.0 m
Form factor	0.58062
Circularity ratio	0.60266
Elongation ratio	0.85952
Highest Stream order	7
Max elevation	781.0 m
Min elevation	658.0 m
Mean bifurcation ratio	2.9152
Stream frequency	77.2730 per km ²
Relief	123.00 m
Drainage density	10.4940 km/km ²
Length of overland flow	47.648 m

CATCHMENT CLIMATOLOGY

