

Boudha Dam

Location	24.0492° N, 85.6215° E
State	Jharkhand
Nearest City	Hazaribagh
Year of Completion	1978
Operated and Maintained by	Jharkhand Water Resources Department
River Basin	Subarnarekha
River	Jaroa.
Dam Type	Earthfill Embankment
Height above lowest foundation level	15.9 m
Dam length	609.3 m
Reservoir Area	480000.0 m ²
Gross storage capacity	1570000.0 m ³
Effective storage capacity	1480000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	9.0 km ²
Perimeter of catchment	16.5 km
Basin Length	4622.0 m
Form factor	0.42288
Circularity ratio	0.41906
Elongation ratio	0.73353
Highest Stream order	5
Max elevation	607.0 m
Min elevation	555.0 m
Mean bifurcation ratio	3.6493
Stream frequency	73.7230 per km ²
Relief	52.00 m
Drainage density	9.6630 km/km ²
Length of overland flow	51.746 m

CATCHMENT CLIMATOLOGY

