

## Jagadala Dam

Location	21.8033° N, 85.4756° E
State	Odisha
Nearest City	Champua
Year of Completion	1996
Operated and Maintained by	Odisha Water Resources Department
River Basin	Brahmani
River	Jagadala Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	14.8 m
Dam length	1018.0 m
Reservoir Area	799000.0 m <sup>2</sup>
Gross storage capacity	3962000.0 m <sup>3</sup>
Effective storage capacity	3160000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	44.6 km <sup>2</sup>
Perimeter of catchment	39.3 km
Basin Length	13670.0 m
Form factor	0.23870
Circularity ratio	0.36350
Elongation ratio	0.55110
Highest Stream order	5
Max elevation	740.0 m
Min elevation	443.0 m
Mean bifurcation ratio	2.5160
Stream frequency	89.1320 per km <sup>2</sup>
Relief	297.00 m
Drainage density	13.2370 km/km <sup>2</sup>
Length of overland flow	37.771 m

## CATCHMENT CLIMATOLOGY

