

## Badabandha Dam

Location	20.8583° N, 85.2460° E
State	Odisha
Nearest City	Nayagarh
Year of Completion	1985
Operated and Maintained by	Odisha Water Resources Department
River Basin	Brahmani
River	Karanjinalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	15.2 m
Dam length	1006.0 m
Reservoir Area	186000.0 m <sup>2</sup>
Gross storage capacity	640000.0 m <sup>3</sup>
Effective storage capacity	540000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	2.9 km <sup>2</sup>
Perimeter of catchment	7.8 km
Basin Length	2851.5 m
Form factor	0.35301
Circularity ratio	0.59837
Elongation ratio	0.67019
Highest Stream order	4
Max elevation	99.0 m
Min elevation	69.0 m
Mean bifurcation ratio	2.7938
Stream frequency	79.0840 per km <sup>2</sup>
Relief	30.00 m
Drainage density	10.2480 km/km <sup>2</sup>
Length of overland flow	48.792 m

## CATCHMENT CLIMATOLOGY

