

## Gaikhai Dam

Location	20.9564° N, 83.5139° E
State	Odisha
Nearest City	Balangir
Year of Completion	1987
Operated and Maintained by	Odisha Water Resources Department
River Basin	Mahanadi
River	Gaikhai Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	15.8 m
Dam length	807.7 m
Reservoir Area	193000.0 m <sup>2</sup>
Gross storage capacity	2120000.0 m <sup>3</sup>
Effective storage capacity	1730000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	24.7 km <sup>2</sup>
Perimeter of catchment	25.5 km
Basin Length	8288.7 m
Form factor	0.35891
Circularity ratio	0.47855
Elongation ratio	0.67577
Highest Stream order	5
Max elevation	456.0 m
Min elevation	139.0 m
Mean bifurcation ratio	2.3136
Stream frequency	75.6750 per km <sup>2</sup>
Relief	317.00 m
Drainage density	10.2620 km/km <sup>2</sup>
Length of overland flow	48.723 m

## CATCHMENT CLIMATOLOGY

