

## Ghatapada M.I.P Dam

Location	20.2494° N, 83.2922° E
State	Odisha
Nearest City	Kesinga
Year of Completion	1990
Operated and Maintained by	Odisha Water Resources Department
River Basin	Mahanadi
River	Giderjore
Dam Type	Earthfill Embankment
Height above lowest foundation level	13.2 m
Dam length	721.0 m
Reservoir Area	4300000.0 m <sup>2</sup>
Gross storage capacity	1150000.0 m <sup>3</sup>
Effective storage capacity	871000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	15.3 km <sup>2</sup>
Perimeter of catchment	17.4 km
Basin Length	5555.4 m
Form factor	0.49572
Circularity ratio	0.63436
Elongation ratio	0.79420
Highest Stream order	5
Max elevation	461.0 m
Min elevation	175.0 m
Mean bifurcation ratio	2.7684
Stream frequency	83.7290 per km <sup>2</sup>
Relief	286.00 m
Drainage density	11.6820 km/km <sup>2</sup>
Length of overland flow	42.800 m

## CATCHMENT CLIMATOLOGY

