

## Sunaghai M.I.P Dam

Location	21.2131° N, 86.2603° E
State	Odisha
Nearest City	Anandpur
Year of Completion	1999
Operated and Maintained by	Odisha Water Resources Department
River Basin	Brahmani
River	Gadachandi Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	11.5 m
Dam length	610.0 m
Reservoir Area	25757914.0 m <sup>2</sup>
Gross storage capacity	550000.0 m <sup>3</sup>
Effective storage capacity	407700.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	8.0 km <sup>2</sup>
Perimeter of catchment	15.6 km
Basin Length	5685.4 m
Form factor	0.24637
Circularity ratio	0.41170
Elongation ratio	0.55989
Highest Stream order	5
Max elevation	501.0 m
Min elevation	55.0 m
Mean bifurcation ratio	3.6131
Stream frequency	88.1530 per km <sup>2</sup>
Relief	446.00 m
Drainage density	12.7320 km/km <sup>2</sup>
Length of overland flow	39.271 m

## CATCHMENT CLIMATOLOGY

