

## Rissia Dam

Location	21.4411° N, 86.5867° E
State	Odisha
Nearest City	Nilagiri
Year of Completion	1988
Operated and Maintained by	Odisha Water Resources Department
River Basin	Subarnarekha
River	Tangana Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	18.9 m
Dam length	1204.0 m
Reservoir Area	9778000.0 m <sup>2</sup>
Gross storage capacity	5660000.0 m <sup>3</sup>
Effective storage capacity	4630000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	52.8 km <sup>2</sup>
Perimeter of catchment	42.0 km
Basin Length	9824.3 m
Form factor	0.54704
Circularity ratio	0.37618
Elongation ratio	0.83429
Highest Stream order	6
Max elevation	682.0 m
Min elevation	113.0 m
Mean bifurcation ratio	2.8647
Stream frequency	89.8330 per km <sup>2</sup>
Relief	569.00 m
Drainage density	13.3960 km/km <sup>2</sup>
Length of overland flow	37.326 m

## CATCHMENT CLIMATOLOGY

