

## Sanmachhakandana Dam

Location	21.6086° N, 85.5525° E
State	Odisha
Nearest City	Keonjhar
Year of Completion	1978
Operated and Maintained by	Odisha Water Resources Department
River Basin	Brahmani
River	Machhakandana
Dam Type	Earthfill Embankment
Height above lowest foundation level	17.6 m
Dam length	973.0 m
Reservoir Area	729442.0 m <sup>2</sup>
Gross storage capacity	4530000.0 m <sup>3</sup>
Effective storage capacity	4100000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	28.3 km <sup>2</sup>
Perimeter of catchment	29.7 km
Basin Length	10127.0 m
Form factor	0.27588
Circularity ratio	0.40349
Elongation ratio	0.59248
Highest Stream order	6
Max elevation	895.0 m
Min elevation	591.0 m
Mean bifurcation ratio	2.4604
Stream frequency	89.2390 per km <sup>2</sup>
Relief	304.00 m
Drainage density	13.2060 km/km <sup>2</sup>
Length of overland flow	37.861 m

## CATCHMENT CLIMATOLOGY

