

Mahisanalla Dam

Location	20.2533° N, 84.8167° E
State	Odisha
Nearest City	Nayagarh
Year of Completion	1975
Operated and Maintained by	Odisha Water Resources Department
River Basin	Mahanadi
River	Mahisanalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	12.2 m
Dam length	914.6 m
Reservoir Area	285809.0 m ²
Gross storage capacity	2550000.0 m ³
Effective storage capacity	2210000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	23.1 km ²
Perimeter of catchment	23.7 km
Basin Length	5218.4 m
Form factor	0.84730
Circularity ratio	0.51467
Elongation ratio	1.03830
Highest Stream order	5
Max elevation	469.0 m
Min elevation	155.0 m
Mean bifurcation ratio	2.5520
Stream frequency	83.0400 per km ²
Relief	314.00 m
Drainage density	11.9930 km/km ²
Length of overland flow	41.692 m

CATCHMENT CLIMATOLOGY

