

Masina Nalla Dam

Location	22.1189° N, 83.9836° E
State	Odisha
Nearest City	Sundergarh
Year of Completion	1979
Operated and Maintained by	Odisha Water Resources Department
River Basin	Mahanadi
River	Mahisanalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	15.2 m
Dam length	896.0 m
Reservoir Area	150000.0 m ²
Gross storage capacity	1960000.0 m ³
Effective storage capacity	1550000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	4.9 km ²
Perimeter of catchment	9.9 km
Basin Length	3723.0 m
Form factor	0.35302
Circularity ratio	0.62858
Elongation ratio	0.67021
Highest Stream order	4
Max elevation	369.0 m
Min elevation	236.0 m
Mean bifurcation ratio	3.6700
Stream frequency	76.8410 per km ²
Relief	133.00 m
Drainage density	9.9570 km/km ²
Length of overland flow	50.215 m

CATCHMENT CLIMATOLOGY

