

Maharanisagar Dam

Location	19.5425° N, 85.0408° E
State	Odisha
Nearest City	Chatrapur
Year of Completion	1981
Operated and Maintained by	Odisha Water Resources Department
River Basin	Mahanadi
River	Maharani Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	10.7 m
Dam length	780.0 m
Reservoir Area	410000.0 m ²
Gross storage capacity	850000.0 m ³
Effective storage capacity	670000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	5.0 km ²
Perimeter of catchment	9.2 km
Basin Length	2298.8 m
Form factor	0.95081
Circularity ratio	0.74907
Elongation ratio	1.09990
Highest Stream order	5
Max elevation	142.0 m
Min elevation	32.0 m
Mean bifurcation ratio	4.3562
Stream frequency	86.5770 per km ²
Relief	110.00 m
Drainage density	12.1720 km/km ²
Length of overland flow	41.076 m

CATCHMENT CLIMATOLOGY

Data not available.