

Magaranalla Dam

Location	21.0231° N, 82.8686° E
State	Odisha
Nearest City	Padampur
Year of Completion	1981
Operated and Maintained by	Odisha Water Resources Department
River Basin	Mahanadi
River	Magaranalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	16.8 m
Dam length	831.0 m
Reservoir Area	115000.0 m ²
Gross storage capacity	1472000.0 m ³
Effective storage capacity	m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	12.2 km ²
Perimeter of catchment	19.5 km
Basin Length	4910.1 m
Form factor	0.50548
Circularity ratio	0.40240
Elongation ratio	0.80197
Highest Stream order	5
Max elevation	612.0 m
Min elevation	266.0 m
Mean bifurcation ratio	4.2746
Stream frequency	90.5900 per km ²
Relief	346.00 m
Drainage density	13.5270 km/km ²
Length of overland flow	36.963 m

CATCHMENT CLIMATOLOGY

