

Randa Dam

Location	19.9133° N, 85.2708° E
State	Odisha
Nearest City	Khordha
Year of Completion	1986
Operated and Maintained by	Odisha Water Resources Department
River Basin	Mahanadi
River	Kusumi
Dam Type	Earthfill Embankment
Height above lowest foundation level	16.7 m
Dam length	1098.0 m
Reservoir Area	700000.0 m ²
Gross storage capacity	2270000.0 m ³
Effective storage capacity	1800000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	19.5 km ²
Perimeter of catchment	18.5 km
Basin Length	5792.6 m
Form factor	0.58089
Circularity ratio	0.71752
Elongation ratio	0.85972
Highest Stream order	6
Max elevation	585.0 m
Min elevation	51.0 m
Mean bifurcation ratio	2.4528
Stream frequency	90.7580 per km ²
Relief	534.00 m
Drainage density	13.7200 km/km ²
Length of overland flow	36.444 m

CATCHMENT CLIMATOLOGY

