

Rengali Dam

Location	21.2769° N, 85.0353° E
State	Odisha
Nearest City	Talcher
Year of Completion	1984
Operated and Maintained by	Odisha Water Resources Department
River Basin	Brahmani
River	Brahmani River
Dam Type	Masonry Gravity
Height above lowest foundation level	70.5 m
Dam length	1040.0 m
Reservoir Area	378400000.0 m ²
Gross storage capacity	5150000000.0 m ³
Effective storage capacity	3413710000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	25267.0 km ²
Perimeter of catchment	1253.9 km
Basin Length	281930.0 m
Form factor	0.31788
Circularity ratio	0.20201
Elongation ratio	0.63598
Highest Stream order	10
Max elevation	1148.0 m
Min elevation	70.0 m
Mean bifurcation ratio	2.1346
Stream frequency	78.6030 per km ²
Relief	1078.00 m
Drainage density	10.9730 km/km ²
Length of overland flow	45.565 m

CATCHMENT CLIMATOLOGY

