

Ganianalla Dam

Location	19.3478° N, 84.6439° E
State	Odisha
Nearest City	Ghumusar
Year of Completion	1973
Operated and Maintained by	Odisha Water Resources Department
River Basin	North East Coast
River	Ganianalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	35.4 m
Dam length	1585.0 m
Reservoir Area	324000.0 m ²
Gross storage capacity	1857000.0 m ³
Effective storage capacity	1740000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	13.5 km ²
Perimeter of catchment	16.2 km
Basin Length	5597.5 m
Form factor	0.43088
Circularity ratio	0.64599
Elongation ratio	0.74044
Highest Stream order	5
Max elevation	835.0 m
Min elevation	74.0 m
Mean bifurcation ratio	2.4901
Stream frequency	91.9960 per km ²
Relief	761.00 m
Drainage density	13.7370 km/km ²
Length of overland flow	36.397 m

CATCHMENT CLIMATOLOGY

