

Ghagara Dam

Location	20.9227° N, 83.2052° E
State	Odisha
Nearest City	Nayagarh
Year of Completion	1976
Operated and Maintained by	Odisha Water Resources Department
River Basin	Mahanadi
River	Ghagara
Dam Type	Earthfill Embankment
Height above lowest foundation level	14.9 m
Dam length	759.1 m
Reservoir Area	316000.0 m ²
Gross storage capacity	807000.0 m ³
Effective storage capacity	807000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	28.6 km ²
Perimeter of catchment	30.1 km
Basin Length	9359.5 m
Form factor	0.32666
Circularity ratio	0.39601
Elongation ratio	0.64470
Highest Stream order	5
Max elevation	418.0 m
Min elevation	191.0 m
Mean bifurcation ratio	2.3568
Stream frequency	70.4170 per km ²
Relief	227.00 m
Drainage density	9.3230 km/km ²
Length of overland flow	53.632 m

CATCHMENT CLIMATOLOGY

