

Jagannathasagar Dam

Location	18.8539° N, 82.5644° E
State	Odisha
Nearest City	Jeypore
Year of Completion	1781
Operated and Maintained by	Odisha Water Resources Department
River Basin	Godavari
River	Ghatprabha
Dam Type	Earthfill Embankment
Height above lowest foundation level	10.0 m
Dam length	775.0 m
Reservoir Area	618900.0 m ²
Gross storage capacity	1885000.0 m ³
Effective storage capacity	979000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	2.9 km ²
Perimeter of catchment	7.2 km
Basin Length	2281.4 m
Form factor	0.55903
Circularity ratio	0.69954
Elongation ratio	0.84339
Highest Stream order	4
Max elevation	615.0 m
Min elevation	578.0 m
Mean bifurcation ratio	2.6627
Stream frequency	81.7930 per km ²
Relief	37.00 m
Drainage density	12.1700 km/km ²
Length of overland flow	41.084 m

CATCHMENT CLIMATOLOGY

