

Jaigarh Dam

Location	20.9772° N, 84.6133° E
State	Odisha
Nearest City	Athamalik
Year of Completion	1986
Operated and Maintained by	Odisha Water Resources Department
River Basin	Mahanadi
River	Jaigarh Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	18.7 m
Dam length	246.9 m
Reservoir Area	197420.0 m ²
Gross storage capacity	1160000.0 m ³
Effective storage capacity	860000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	32.0 km ²
Perimeter of catchment	25.3 km
Basin Length	8970.3 m
Form factor	0.39818
Circularity ratio	0.63033
Elongation ratio	0.71178
Highest Stream order	6
Max elevation	462.0 m
Min elevation	208.0 m
Mean bifurcation ratio	2.5053
Stream frequency	77.8080 per km ²
Relief	254.00 m
Drainage density	10.8300 km/km ²
Length of overland flow	46.166 m

CATCHMENT CLIMATOLOGY

