

Suhagi Dam

Location	20.5664° N, 84.9603° E
State	Odisha
Nearest City	Athagarh
Year of Completion	1986
Operated and Maintained by	Odisha Water Resources Department
River Basin	Mahanadi
River	Suhagi Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	23.2 m
Dam length	2271.4 m
Reservoir Area	11336000.0 m ²
Gross storage capacity	8770000.0 m ³
Effective storage capacity	7200000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	19.4 km ²
Perimeter of catchment	21.7 km
Basin Length	8284.9 m
Form factor	0.28300
Circularity ratio	0.52064
Elongation ratio	0.60007
Highest Stream order	5
Max elevation	591.0 m
Min elevation	87.0 m
Mean bifurcation ratio	2.5523
Stream frequency	87.0510 per km ²
Relief	504.00 m
Drainage density	12.9060 km/km ²
Length of overland flow	38.742 m

CATCHMENT CLIMATOLOGY

