

Upper Suktel Dam

Location	20.7183° N, 82.8811° E
State	Odisha
Nearest City	Patnagarh
Year of Completion	1992
Operated and Maintained by	Odisha Water Resources Department
River Basin	Mahanadi
River	Suktel
Dam Type	Earthfill Embankment
Height above lowest foundation level	21.7 m
Dam length	1573.0 m
Reservoir Area	2700000.0 m ²
Gross storage capacity	12300000.0 m ³
Effective storage capacity	10690000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	4.1 km ²
Perimeter of catchment	10.4 km
Basin Length	3475.9 m
Form factor	0.34275
Circularity ratio	0.48002
Elongation ratio	0.66039
Highest Stream order	4
Max elevation	405.0 m
Min elevation	294.0 m
Mean bifurcation ratio	2.8623
Stream frequency	69.3060 per km ²
Relief	111.00 m
Drainage density	8.7890 km/km ²
Length of overland flow	56.892 m

CATCHMENT CLIMATOLOGY

