

Badanalla Dam

Location	19.3083° N, 83.8853° E
State	Odisha
Nearest City	Gunupur
Year of Completion	1997
Operated and Maintained by	Odisha Water Resources Department
River Basin	North East Coast
River	Bada Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	48.0 m
Dam length	325.0 m
Reservoir Area	9300000.0 m ²
Gross storage capacity	75640000.0 m ³
Effective storage capacity	67140000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	350.8 km ²
Perimeter of catchment	108.1 km
Basin Length	33632.0 m
Form factor	0.31012
Circularity ratio	0.37748
Elongation ratio	0.62817
Highest Stream order	7
Max elevation	1061.0 m
Min elevation	161.0 m
Mean bifurcation ratio	2.5413
Stream frequency	86.2880 per km ²
Relief	900.00 m
Drainage density	12.8830 km/km ²
Length of overland flow	38.810 m

CATCHMENT CLIMATOLOGY

