

Ayabhandha Dam

Location	20.8592° N, 80.8508° E
State	Chhattisgarh
Nearest City	Dongaragarh
Year of Completion	2005
Operated and Maintained by	Chhattisgarh Water Resources Department
River Basin	Mahanadi
River	Local
Dam Type	Earthfill Embankment
Height above lowest foundation level	16.2 m
Dam length	495.0 m
Reservoir Area	436000.0 m ²
Gross storage capacity	1158000.0 m ³
Effective storage capacity	1060000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	5.5 km ²
Perimeter of catchment	10.1 km
Basin Length	3151.6 m
Form factor	0.55016
Circularity ratio	0.67000
Elongation ratio	0.83667
Highest Stream order	4
Max elevation	394.0 m
Min elevation	322.0 m
Mean bifurcation ratio	2.3337
Stream frequency	82.1650 per km ²
Relief	72.00 m
Drainage density	11.6480 km/km ²
Length of overland flow	42.925 m

CATCHMENT CLIMATOLOGY

