

Kodabahal Dam

Location	19.9917° N, 82.9342° E
State	Odisha
Nearest City	Dharamgarh
Year of Completion	1982
Operated and Maintained by	Odisha Water Resources Department
River Basin	Mahanadi
River	Kodabahal Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	21.5 m
Dam length	210.3 m
Reservoir Area	440000.0 m ²
Gross storage capacity	900000.0 m ³
Effective storage capacity	740000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	6.9 km ²
Perimeter of catchment	11.5 km
Basin Length	4018.8 m
Form factor	0.42823
Circularity ratio	0.65919
Elongation ratio	0.73816
Highest Stream order	4
Max elevation	913.0 m
Min elevation	240.0 m
Mean bifurcation ratio	3.3150
Stream frequency	93.5480 per km ²
Relief	673.00 m
Drainage density	14.0430 km/km ²
Length of overland flow	35.605 m

CATCHMENT CLIMATOLOGY

