

Jhumuka Dam

Location	20.3303° N, 85.7119° E
State	Odisha
Nearest City	Bhubaneswar
Year of Completion	1975
Operated and Maintained by	Odisha Water Resources Department
River Basin	Mahanadi
River	Jhumuka Nallah
Dam Type	Earthfill Embankment
Height above lowest foundation level	20.7 m
Dam length	584.4 m
Reservoir Area	1053000.0 m ²
Gross storage capacity	6220000.0 m ³
Effective storage capacity	5436000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	23.0 km ²
Perimeter of catchment	24.9 km
Basin Length	9818.2 m
Form factor	0.23907
Circularity ratio	0.46830
Elongation ratio	0.55154
Highest Stream order	5
Max elevation	215.0 m
Min elevation	57.0 m
Mean bifurcation ratio	2.4832
Stream frequency	85.7860 per km ²
Relief	158.00 m
Drainage density	12.3130 km/km ²
Length of overland flow	40.607 m

CATCHMENT CLIMATOLOGY

