

Kuanria Dam

Location	20.3522° N, 84.8025° E
State	Odisha
Nearest City	Nayagarh
Year of Completion	1988
Operated and Maintained by	Odisha Water Resources Department
River Basin	Mahanadi
River	Kuanria River
Dam Type	Earthfill Embankment
Height above lowest foundation level	21.0 m
Dam length	1576.0 m
Reservoir Area	4855000.0 m ²
Gross storage capacity	22000000.0 m ³
Effective storage capacity	17500000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	17.5 km ²
Perimeter of catchment	20.4 km
Basin Length	6031.0 m
Form factor	0.48220
Circularity ratio	0.52812
Elongation ratio	0.78329
Highest Stream order	5
Max elevation	466.0 m
Min elevation	124.0 m
Mean bifurcation ratio	2.3944
Stream frequency	82.5040 per km ²
Relief	342.00 m
Drainage density	11.8240 km/km ²
Length of overland flow	42.285 m

CATCHMENT CLIMATOLOGY

