

Nalkari Dam

Location	23.6153° N, 85.2914° E
State	Jharkhand
Nearest City	Hazaribagh
Year of Completion	1968
Operated and Maintained by	Jharkhand Water Resources Department
River Basin	Subarnarekha
River	Nalkari.
Dam Type	Earthfill Embankment
Height above lowest foundation level	36.0 m
Dam length	3074.0 m
Reservoir Area	9920000.0 m ²
Gross storage capacity	107000000.0 m ³
Effective storage capacity	74900000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	211.1 km ²
Perimeter of catchment	79.1 km
Basin Length	18909.0 m
Form factor	0.59042
Circularity ratio	0.42378
Elongation ratio	0.86674
Highest Stream order	7
Max elevation	866.0 m
Min elevation	377.0 m
Mean bifurcation ratio	5.4359
Stream frequency	79.1430 per km ²
Relief	489.00 m
Drainage density	10.9500 km/km ²
Length of overland flow	45.663 m

CATCHMENT CLIMATOLOGY

