

Kairabani Dam

Location	24.1697° N, 87.4400° E
State	Jharkhand
Nearest City	Dumka
Year of Completion	1967
Operated and Maintained by	Jharkhand Water Resources Department
River Basin	Ganga
River	Dararika.
Dam Type	Earthfill Embankment
Height above lowest foundation level	18.6 m
Dam length	295.7 m
Reservoir Area	550000.0 m ²
Gross storage capacity	3550000.0 m ³
Effective storage capacity	3260000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	7.5 km ²
Perimeter of catchment	12.5 km
Basin Length	3635.2 m
Form factor	0.56904
Circularity ratio	0.60182
Elongation ratio	0.85091
Highest Stream order	5
Max elevation	263.0 m
Min elevation	128.0 m
Mean bifurcation ratio	2.5034
Stream frequency	82.0510 per km ²
Relief	135.00 m
Drainage density	11.1100 km/km ²
Length of overland flow	45.005 m

CATCHMENT CLIMATOLOGY

