

Panchkhero Dam

Location	24.3522° N, 85.8508° E
State	Jharkhand
Nearest City	Giridih
Year of Completion	Not Available
Operated and Maintained by	Jharkhand Water Resources Department
River Basin	Subarnarekha
River	Panchkhero
Dam Type	Earthfill Embankment
Height above lowest foundation level	19.3 m
Dam length	2082.0 m
Reservoir Area	2760000.0 m ²
Gross storage capacity	8990000.0 m ³
Effective storage capacity	5990000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	58.5 km ²
Perimeter of catchment	33.8 km
Basin Length	12007.0 m
Form factor	0.40588
Circularity ratio	0.64256
Elongation ratio	0.71863
Highest Stream order	6
Max elevation	406.0 m
Min elevation	338.0 m
Mean bifurcation ratio	2.2276
Stream frequency	74.3770 per km ²
Relief	68.00 m
Drainage density	9.7890 km/km ²
Length of overland flow	51.079 m

CATCHMENT CLIMATOLOGY

