

Chatania Ghat Dam

Location	24.4508° N, 83.5644° E
State	Jharkhand
Nearest City	Garhwa
Year of Completion	1980
Operated and Maintained by	Jharkhand Water Resources Department
River Basin	Ganga
River	Kuljhiri Nala.
Dam Type	Earthfill Embankment
Height above lowest foundation level	19.8 m
Dam length	365.9 m
Reservoir Area	310000.0 m ²
Gross storage capacity	1680000.0 m ³
Effective storage capacity	1176000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	5.9 km ²
Perimeter of catchment	11.3 km
Basin Length	2875.3 m
Form factor	0.71100
Circularity ratio	0.57547
Elongation ratio	0.95114
Highest Stream order	4
Max elevation	345.0 m
Min elevation	172.0 m
Mean bifurcation ratio	3.3112
Stream frequency	87.6150 per km ²
Relief	173.00 m
Drainage density	12.2920 km/km ²
Length of overland flow	40.677 m

CATCHMENT CLIMATOLOGY

