

## Chirka Dam

Location	24.0083° N, 83.6306° E
State	Jharkhand
Nearest City	Garhwa
Year of Completion	1985
Operated and Maintained by	Jharkhand Water Resources Department
River Basin	Ganga
River	Dhengura
Dam Type	Earthfill Embankment
Height above lowest foundation level	22.1 m
Dam length	1046.3 m
Reservoir Area	1190000.0 m <sup>2</sup>
Gross storage capacity	6171600.0 m <sup>3</sup>
Effective storage capacity	5680300.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	28.2 km <sup>2</sup>
Perimeter of catchment	23.8 km
Basin Length	7968.3 m
Form factor	0.44444
Circularity ratio	0.62696
Elongation ratio	0.75200
Highest Stream order	5
Max elevation	628.0 m
Min elevation	406.0 m
Mean bifurcation ratio	2.5675
Stream frequency	81.3270 per km <sup>2</sup>
Relief	222.00 m
Drainage density	11.1020 km/km <sup>2</sup>
Length of overland flow	45.039 m

## CATCHMENT CLIMATOLOGY

