

## Chikhali Dam

Location	20.5483° N, 81.0808° E
State	Chhattisgarh
Nearest City	Balod
Year of Completion	1986
Operated and Maintained by	Chhattisgarh Water Resources Department
River Basin	Mahanadi
River	Local Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	10.6 m
Dam length	975.0 m
Reservoir Area	517000.0 m <sup>2</sup>
Gross storage capacity	1545000.0 m <sup>3</sup>
Effective storage capacity	1466000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	9.5 km <sup>2</sup>
Perimeter of catchment	15.4 km
Basin Length	5397.1 m
Form factor	0.32548
Circularity ratio	0.49985
Elongation ratio	0.64353
Highest Stream order	4
Max elevation	614.0 m
Min elevation	362.0 m
Mean bifurcation ratio	2.7153
Stream frequency	81.7470 per km <sup>2</sup>
Relief	252.00 m
Drainage density	11.5570 km/km <sup>2</sup>
Length of overland flow	43.264 m

## CATCHMENT CLIMATOLOGY

