

## Ghumarapadar T. Dam

Location	19.9306° N, 82.4994° E
State	Chhattisgarh
Nearest City	Raipur
Year of Completion	2012
Operated and Maintained by	Chhattisgarh Water Resources Department
River Basin	Mahanadi
River	Local Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	20.8 m
Dam length	900.0 m
Reservoir Area	1197000.0 m <sup>2</sup>
Gross storage capacity	5562000.0 m <sup>3</sup>
Effective storage capacity	4974000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	4.3 km <sup>2</sup>
Perimeter of catchment	8.2 km
Basin Length	2644.4 m
Form factor	0.61730
Circularity ratio	0.80049
Elongation ratio	0.88625
Highest Stream order	4
Max elevation	338.0 m
Min elevation	271.0 m
Mean bifurcation ratio	2.5925
Stream frequency	74.3620 per km <sup>2</sup>
Relief	67.00 m
Drainage density	9.6580 km/km <sup>2</sup>
Length of overland flow	51.773 m

## CATCHMENT CLIMATOLOGY

