

## Jharanai Dam

Location	19.6686° N, 84.8767° E
State	Odisha
Nearest City	Chatrapur
Year of Completion	1976
Operated and Maintained by	Odisha Water Resources Department
River Basin	Mahanadi
River	Jharanai
Dam Type	Earthfill Embankment
Height above lowest foundation level	28.3 m
Dam length	320.2 m
Reservoir Area	680000.0 m <sup>2</sup>
Gross storage capacity	1420000.0 m <sup>3</sup>
Effective storage capacity	1390000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	6.4 km <sup>2</sup>
Perimeter of catchment	11.1 km
Basin Length	3093.6 m
Form factor	0.66900
Circularity ratio	0.65554
Elongation ratio	0.92262
Highest Stream order	5
Max elevation	332.0 m
Min elevation	64.0 m
Mean bifurcation ratio	2.8698
Stream frequency	88.7170 per km <sup>2</sup>
Relief	268.00 m
Drainage density	12.9560 km/km <sup>2</sup>
Length of overland flow	38.592 m

## CATCHMENT CLIMATOLOGY

