

## Chhaya Sagar Dam

Location	24.3078° N, 81.1311° E
State	Madhya Pradesh
Nearest City	Satna
Year of Completion	1972
Operated and Maintained by	Madhya Pradesh Water Resources Department
River Basin	Ganga
River	Local
Dam Type	Earthfill Embankment
Height above lowest foundation level	10.7 m
Dam length	858.0 m
Reservoir Area	180000.0 m <sup>2</sup>
Gross storage capacity	444000.0 m <sup>3</sup>
Effective storage capacity	388000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	6.5 km <sup>2</sup>
Perimeter of catchment	10.6 km
Basin Length	3882.1 m
Form factor	0.43109
Circularity ratio	0.72763
Elongation ratio	0.74062
Highest Stream order	5
Max elevation	684.0 m
Min elevation	448.0 m
Mean bifurcation ratio	7.2598
Stream frequency	84.5010 per km <sup>2</sup>
Relief	236.00 m
Drainage density	11.6470 km/km <sup>2</sup>
Length of overland flow	42.928 m

## CATCHMENT CLIMATOLOGY

