

## Chahaka M.I.P Dam

Location	20.0606° N, 82.9869° E
State	Odisha
Nearest City	Bhawanipatna
Year of Completion	2001
Operated and Maintained by	Odisha Water Resources Department
River Basin	Mahanadi
River	Mod Nadi
Dam Type	Earthfill Embankment
Height above lowest foundation level	17.1 m
Dam length	930.0 m
Reservoir Area	260000.0 m <sup>2</sup>
Gross storage capacity	1283000.0 m <sup>3</sup>
Effective storage capacity	913000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	24.2 km <sup>2</sup>
Perimeter of catchment	27.3 km
Basin Length	7409.5 m
Form factor	0.44046
Circularity ratio	0.40684
Elongation ratio	0.74862
Highest Stream order	5
Max elevation	783.0 m
Min elevation	224.0 m
Mean bifurcation ratio	2.6224
Stream frequency	84.9820 per km <sup>2</sup>
Relief	559.00 m
Drainage density	12.3060 km/km <sup>2</sup>
Length of overland flow	40.630 m

## CATCHMENT CLIMATOLOGY

