

## Saipala Dam

Location	20.8064° N, 82.6642° E
State	Odisha
Nearest City	Patnagarh
Year of Completion	1977
Operated and Maintained by	Odisha Water Resources Department
River Basin	Mahanadi
River	Saipala
Dam Type	Earthfill Embankment
Height above lowest foundation level	20.1 m
Dam length	330.0 m
Reservoir Area	3940542.0 m <sup>2</sup>
Gross storage capacity	21300000.0 m <sup>3</sup>
Effective storage capacity	18345600.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	90.1 km <sup>2</sup>
Perimeter of catchment	41.9 km
Basin Length	12934.0 m
Form factor	0.53874
Circularity ratio	0.64596
Elongation ratio	0.82794
Highest Stream order	7
Max elevation	499.0 m
Min elevation	289.0 m
Mean bifurcation ratio	2.2570
Stream frequency	66.1750 per km <sup>2</sup>
Relief	210.00 m
Drainage density	8.4840 km/km <sup>2</sup>
Length of overland flow	58.938 m

## CATCHMENT CLIMATOLOGY

