

## Sunamuhin M.I.P Dam

Location	20.2606° N, 85.1572° E
State	Odisha
Nearest City	Nayagarh
Year of Completion	1967
Operated and Maintained by	Odisha Water Resources Department
River Basin	Mahanadi
River	Local Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	12.8 m
Dam length	815.5 m
Reservoir Area	279000.0 m <sup>2</sup>
Gross storage capacity	2180000.0 m <sup>3</sup>
Effective storage capacity	1920000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	22.1 km <sup>2</sup>
Perimeter of catchment	20.3 km
Basin Length	7113.1 m
Form factor	0.43707
Circularity ratio	0.67218
Elongation ratio	0.74573
Highest Stream order	5
Max elevation	700.0 m
Min elevation	66.0 m
Mean bifurcation ratio	2.4565
Stream frequency	91.4370 per km <sup>2</sup>
Relief	634.00 m
Drainage density	13.7640 km/km <sup>2</sup>
Length of overland flow	36.326 m

## CATCHMENT CLIMATOLOGY

