

## Aradei Dam

Location	21.5800° N, 85.6247° E
State	Odisha
Nearest City	Keonjhar
Year of Completion	1978
Operated and Maintained by	Odisha Water Resources Department
River Basin	Brahmani
River	Aradei Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	16.4 m
Dam length	1112.0 m
Reservoir Area	580000.0 m <sup>2</sup>
Gross storage capacity	1480000.0 m <sup>3</sup>
Effective storage capacity	1480000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	3.4 km <sup>2</sup>
Perimeter of catchment	9.3 km
Basin Length	3612.1 m
Form factor	0.26367
Circularity ratio	0.50508
Elongation ratio	0.57922
Highest Stream order	4
Max elevation	730.0 m
Min elevation	491.0 m
Mean bifurcation ratio	2.5104
Stream frequency	88.0760 per km <sup>2</sup>
Relief	239.00 m
Drainage density	12.4110 km/km <sup>2</sup>
Length of overland flow	40.287 m

## CATCHMENT CLIMATOLOGY

