

## Idukki Dam

Location	9.8458° N, 76.9675° E
State	Kerala
Nearest City	Idukki
Year of Completion	1974
Operated and Maintained by	Kerala State Electricity Board
River Basin	South Coast
River	Periyar
Dam Type	Arch
Height above lowest foundation level	168.9 m
Dam length	365.8 m
Reservoir Area	59830000.0 m <sup>2</sup>
Gross storage capacity	1996300000.0 m <sup>3</sup>
Effective storage capacity	1459510000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	1315.7 km <sup>2</sup>
Perimeter of catchment	267.5 km
Basin Length	73265.0 m
Form factor	0.24511
Circularity ratio	0.23119
Elongation ratio	0.55846
Highest Stream order	8
Max elevation	1943.0 m
Min elevation	598.0 m
Mean bifurcation ratio	3.8213
Stream frequency	77.9400 per km <sup>2</sup>
Relief	1345.00 m
Drainage density	11.6090 km/km <sup>2</sup>
Length of overland flow	43.071 m

## CATCHMENT CLIMATOLOGY

