

## Cheruthoni Dam

Location	9.8467° N, 76.9667° E
State	Kerala
Nearest City	Idukki
Year of Completion	1976
Operated and Maintained by	Kerala State Electricity Board
River Basin	South Coast
River	Cheruthoni
Dam Type	Concrete Gravity or RCC
Height above lowest foundation level	138.4 m
Dam length	650.7 m
Reservoir Area	60000000.0 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	1315.8 km <sup>2</sup>
Perimeter of catchment	267.5 km
Basin Length	73408.0 m
Form factor	0.24418
Circularity ratio	0.23110
Elongation ratio	0.55739
Highest Stream order	8
Max elevation	1943.0 m
Min elevation	593.0 m
Mean bifurcation ratio	3.8213
Stream frequency	77.9400 per km <sup>2</sup>
Relief	1350.00 m
Drainage density	11.6090 km/km <sup>2</sup>
Length of overland flow	43.071 m

## CATCHMENT CLIMATOLOGY

