

## Thunakkadavu Dam

Location	10.4353° N, 76.7819° E
State	Kerala
Nearest City	Chittur
Year of Completion	1965
Operated and Maintained by	Tamil Nadu Water Resources Department
River Basin	South Coast
River	Thunakkadavu.
Dam Type	Composite Masonry and Earth fill
Height above lowest foundation level	26.9 m
Dam length	314.0 m
Reservoir Area	4320000.0 m <sup>2</sup>
Gross storage capacity	15770000.0 m <sup>3</sup>
Effective storage capacity	9060000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	40.9 km <sup>2</sup>
Perimeter of catchment	36.7 km
Basin Length	12202.0 m
Form factor	0.27451
Circularity ratio	0.38069
Elongation ratio	0.59100
Highest Stream order	5
Max elevation	1331.0 m
Min elevation	530.0 m
Mean bifurcation ratio	2.4290
Stream frequency	78.7610 per km <sup>2</sup>
Relief	801.00 m
Drainage density	11.6450 km/km <sup>2</sup>
Length of overland flow	42.939 m

## CATCHMENT CLIMATOLOGY

