

## Ramanadhi Dam

Location	8.8500° N, 77.3206° E
State	Tamil Nadu
Nearest City	Ambasamudaram
Year of Completion	1974
Operated and Maintained by	Tamil Nadu Water Resources Department
River Basin	South Coast
River	Ramanathi
Dam Type	Composite Masonry and Earth fill
Height above lowest foundation level	31.1 m
Dam length	836.6 m
Reservoir Area	390000.0 m <sup>2</sup>
Gross storage capacity	430160000.0 m <sup>3</sup>
Effective storage capacity	430160000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	16.1 km <sup>2</sup>
Perimeter of catchment	21.8 km
Basin Length	7827.2 m
Form factor	0.26202
Circularity ratio	0.42528
Elongation ratio	0.57740
Highest Stream order	5
Max elevation	1545.0 m
Min elevation	163.0 m
Mean bifurcation ratio	2.3507
Stream frequency	86.2790 per km <sup>2</sup>
Relief	1382.00 m
Drainage density	13.2930 km/km <sup>2</sup>
Length of overland flow	37.615 m

## CATCHMENT CLIMATOLOGY

