

## Gatana Dam

Location	8.8039° N, 77.3106° 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	Gatana Nadi
Dam Type	Composite Masonry and Earth fill
Height above lowest foundation level	32.9 m
Dam length	1628.0 m
Reservoir Area	797000.0 m <sup>2</sup>
Gross storage capacity	9970000.0 m <sup>3</sup>
Effective storage capacity	9970000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	24.5 km <sup>2</sup>
Perimeter of catchment	21.3 km
Basin Length	7330.6 m
Form factor	0.45650
Circularity ratio	0.67732
Elongation ratio	0.76213
Highest Stream order	5
Max elevation	1494.0 m
Min elevation	111.0 m
Mean bifurcation ratio	3.1663
Stream frequency	90.8640 per km <sup>2</sup>
Relief	1383.00 m
Drainage density	14.2290 km/km <sup>2</sup>
Length of overland flow	35.139 m

## CATCHMENT CLIMATOLOGY

