

## Sothuparai Dam

Location	10.1311° N, 77.4636° E
State	Tamil Nadu
Nearest City	Kodaikanal
Year of Completion	2001
Operated and Maintained by	Tamil Nadu Water Resources Department
River Basin	South Coast
River	Varahanadhi
Dam Type	Masonry Gravity
Height above lowest foundation level	57.6 m
Dam length	320.0 m
Reservoir Area	145000.0 m <sup>2</sup>
Gross storage capacity	2836230.0 m <sup>3</sup>
Effective storage capacity	2822930.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	55.8 km <sup>2</sup>
Perimeter of catchment	39.0 km
Basin Length	12372.0 m
Form factor	0.36468
Circularity ratio	0.46014
Elongation ratio	0.68118
Highest Stream order	6
Max elevation	2468.0 m
Min elevation	352.0 m
Mean bifurcation ratio	2.4690
Stream frequency	87.9460 per km <sup>2</sup>
Relief	2116.00 m
Drainage density	13.7630 km/km <sup>2</sup>
Length of overland flow	36.328 m

## CATCHMENT CLIMATOLOGY

