

## Varattar Vallimadurai Dam

Location	11.9714° N, 78.5417° E
State	Tamil Nadu
Nearest City	Harur
Year of Completion	2007
Operated and Maintained by	Tamil Nadu Water Resources Department
River Basin	East Coast
River	Varattar
Dam Type	Composite Masonry and Earth fill
Height above lowest foundation level	31.2 m
Dam length	1136.0 m
Reservoir Area	291487.0 m <sup>2</sup>
Gross storage capacity	3122000.0 m <sup>3</sup>
Effective storage capacity	3051000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	65.5 km <sup>2</sup>
Perimeter of catchment	40.9 km
Basin Length	15579.0 m
Form factor	0.27003
Circularity ratio	0.49171
Elongation ratio	0.58616
Highest Stream order	6
Max elevation	1226.0 m
Min elevation	422.0 m
Mean bifurcation ratio	2.6463
Stream frequency	85.3700 per km <sup>2</sup>
Relief	804.00 m
Drainage density	13.1340 km/km <sup>2</sup>
Length of overland flow	38.068 m

## CATCHMENT CLIMATOLOGY

