

## Kuppanatham Dam

Location	12.4203° N, 78.7731° E
State	Tamil Nadu
Nearest City	Chengam
Year of Completion	2009
Operated and Maintained by	Tamil Nadu Water Resources Department
River Basin	East Coast
River	Cheyar
Dam Type	Composite Masonry and Earth fill
Height above lowest foundation level	25.2 m
Dam length	750.0 m
Reservoir Area	2786300.0 m <sup>2</sup>
Gross storage capacity	19820000.0 m <sup>3</sup>
Effective storage capacity	19740000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	227.3 km <sup>2</sup>
Perimeter of catchment	81.8 km
Basin Length	22948.0 m
Form factor	0.43163
Circularity ratio	0.42680
Elongation ratio	0.74108
Highest Stream order	7
Max elevation	1127.0 m
Min elevation	330.0 m
Mean bifurcation ratio	2.7173
Stream frequency	83.3110 per km <sup>2</sup>
Relief	797.00 m
Drainage density	12.6370 km/km <sup>2</sup>
Length of overland flow	39.566 m

## CATCHMENT CLIMATOLOGY

