

## Mambazhathuraiyar Dam

Location	8.2322° N, 77.3792° E
State	Tamil Nadu
Nearest City	Kanniyakumari
Year of Completion	2011
Operated and Maintained by	Tamil Nadu Water Resources Department
River Basin	South Coast
River	Mambazha- Thuraiyar
Dam Type	Composite Masonry and Earth fill
Height above lowest foundation level	24.0 m
Dam length	360.0 m
Reservoir Area	402448.0 m <sup>2</sup>
Gross storage capacity	1261000.0 m <sup>3</sup>
Effective storage capacity	1182000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	6.1 km <sup>2</sup>
Perimeter of catchment	11.0 km
Basin Length	3112.1 m
Form factor	0.63216
Circularity ratio	0.63079
Elongation ratio	0.89686
Highest Stream order	5
Max elevation	893.0 m
Min elevation	57.0 m
Mean bifurcation ratio	2.9402
Stream frequency	91.9530 per km <sup>2</sup>
Relief	836.00 m
Drainage density	14.1370 km/km <sup>2</sup>
Length of overland flow	35.368 m

## CATCHMENT CLIMATOLOGY

Data not available.