

## Manimuthar Dam

Location	8.6528° N, 77.4125° E
State	Tamil Nadu
Nearest City	Ambasamudaram
Year of Completion	1958
Operated and Maintained by	Tamil Nadu Water Resources Department
River Basin	South Coast
River	Manimuthar
Dam Type	Composite Masonry and Earth fill
Height above lowest foundation level	45.7 m
Dam length	2825.0 m
Reservoir Area	9400000.0 m <sup>2</sup>
Gross storage capacity	156054000.0 m <sup>3</sup>
Effective storage capacity	114600000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	3.0 km <sup>2</sup>
Perimeter of catchment	8.8 km
Basin Length	3077.9 m
Form factor	0.31895
Circularity ratio	0.49141
Elongation ratio	0.63705
Highest Stream order	4
Max elevation	404.0 m
Min elevation	82.0 m
Mean bifurcation ratio	3.1036
Stream frequency	85.3880 per km <sup>2</sup>
Relief	322.00 m
Drainage density	12.4740 km/km <sup>2</sup>
Length of overland flow	40.084 m

## CATCHMENT CLIMATOLOGY

