

## Manimukthanadhi Dam

Location	11.8053° N, 78.9881° E
State	Tamil Nadu
Nearest City	Kallakurichi
Year of Completion	1970
Operated and Maintained by	Tamil Nadu Water Resources Department
River Basin	East Coast
River	Manimukhta
Dam Type	Masonry Gravity
Height above lowest foundation level	21.0 m
Dam length	3618.0 m
Reservoir Area	7370000.0 m <sup>2</sup>
Gross storage capacity	20860000.0 m <sup>3</sup>
Effective storage capacity	20620000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	255.3 km <sup>2</sup>
Perimeter of catchment	115.9 km
Basin Length	33925.0 m
Form factor	0.22185
Circularity ratio	0.23894
Elongation ratio	0.53130
Highest Stream order	7
Max elevation	948.0 m
Min elevation	111.0 m
Mean bifurcation ratio	2.1204
Stream frequency	75.1580 per km <sup>2</sup>
Relief	837.00 m
Drainage density	10.8730 km/km <sup>2</sup>
Length of overland flow	45.985 m

## CATCHMENT CLIMATOLOGY

