

Thirumurthi Dam

Location	10.4833° N, 77.1647° E
State	Tamil Nadu
Nearest City	Udumalaipettai
Year of Completion	1967
Operated and Maintained by	Tamil Nadu Water Resources Department
River Basin	West Coast
River	Palar
Dam Type	Composite Masonry and Earth fill
Height above lowest foundation level	34.1 m
Dam length	2628.0 m
Reservoir Area	3880000.0 m ²
Gross storage capacity	54790000.0 m ³
Effective storage capacity	49390000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	3.1 km ²
Perimeter of catchment	8.9 km
Basin Length	2771.5 m
Form factor	0.40518
Circularity ratio	0.49138
Elongation ratio	0.71802
Highest Stream order	4
Max elevation	778.0 m
Min elevation	389.0 m
Mean bifurcation ratio	3.7371
Stream frequency	86.4340 per km ²
Relief	389.00 m
Drainage density	12.7500 km/km ²
Length of overland flow	39.214 m

CATCHMENT CLIMATOLOGY

