

Poigaiyar Dam

Location	8.2683° N, 77.5089° E
State	Tamil Nadu
Nearest City	Thovalai
Year of Completion	2000
Operated and Maintained by	Tamil Nadu Water Resources Department
River Basin	South Coast
River	Poigai
Dam Type	Earthfill Embankment
Height above lowest foundation level	24.0 m
Dam length	2290.0 m
Reservoir Area	1930000.0 m ²
Gross storage capacity	2967260.0 m ³
Effective storage capacity	2799440.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	8.2 km ²
Perimeter of catchment	12.7 km
Basin Length	3128.4 m
Form factor	0.84046
Circularity ratio	0.63949
Elongation ratio	1.03410
Highest Stream order	5
Max elevation	904.0 m
Min elevation	75.0 m
Mean bifurcation ratio	2.9218
Stream frequency	91.1830 per km ²
Relief	829.00 m
Drainage density	13.9570 km/km ²
Length of overland flow	35.825 m

CATCHMENT CLIMATOLOGY

