

Nagavathi Dam

Location	12.0619° N, 78.0272° E
State	Tamil Nadu
Nearest City	Dharmapuri
Year of Completion	1986
Operated and Maintained by	Tamil Nadu Water Resources Department
River Basin	Cauvery
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Dam Type	Earthfill Embankment
Height above lowest foundation level	15.8 m
Dam length	382.0 m
Reservoir Area	1177000.0 m ²
Gross storage capacity	4650000.0 m ³
Effective storage capacity	4417000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	223.8 km ²
Perimeter of catchment	89.4 km
Basin Length	16091.0 m
Form factor	0.86427
Circularity ratio	0.35164
Elongation ratio	1.04870
Highest Stream order	7
Max elevation	847.0 m
Min elevation	344.0 m
Mean bifurcation ratio	2.4171
Stream frequency	72.7750 per km ²
Relief	503.00 m
Drainage density	10.2600 km/km ²
Length of overland flow	48.733 m

CATCHMENT CLIMATOLOGY

