

Amaravathi Dam

Location	10.4178° N, 77.2625° E
State	Tamil Nadu
Nearest City	Udumalaipettai
Year of Completion	1958
Operated and Maintained by	Tamil Nadu Water Resources Department
River Basin	Cauvery
River	Amaravathi
Dam Type	Composite Masonry and Earth fill
Height above lowest foundation level	50.0 m
Dam length	1095.0 m
Reservoir Area	9062000.0 m ²
Gross storage capacity	114600000.0 m ³
Effective storage capacity	109360000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	800.2 km ²
Perimeter of catchment	163.5 km
Basin Length	37163.0 m
Form factor	0.57938
Circularity ratio	0.37613
Elongation ratio	0.85860
Highest Stream order	7
Max elevation	2508.0 m
Min elevation	325.0 m
Mean bifurcation ratio	2.3802
Stream frequency	87.6730 per km ²
Relief	2183.00 m
Drainage density	13.8280 km/km ²
Length of overland flow	36.159 m

CATCHMENT CLIMATOLOGY

