

Sathaiyar Dam

Location	10.1111° N, 78.0794° E
State	Tamil Nadu
Nearest City	Madurai
Year of Completion	1965
Operated and Maintained by	Tamil Nadu Water Resources Department
River Basin	South Coast
River	Sathaiyaru
Dam Type	Composite Masonry and Earth fill
Height above lowest foundation level	14.9 m
Dam length	409.6 m
Reservoir Area	9350000.0 m ²
Gross storage capacity	1584800.0 m ³
Effective storage capacity	1584800.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	93.7 km ²
Perimeter of catchment	50.9 km
Basin Length	18548.0 m
Form factor	0.27247
Circularity ratio	0.45417
Elongation ratio	0.58880
Highest Stream order	6
Max elevation	1348.0 m
Min elevation	219.0 m
Mean bifurcation ratio	4.8337
Stream frequency	85.0140 per km ²
Relief	1129.00 m
Drainage density	13.0830 km/km ²
Length of overland flow	38.218 m

CATCHMENT CLIMATOLOGY

