

Golwarpatti Dam

Location	9.4028° N, 77.9722° E
State	Tamil Nadu
Nearest City	Sattur
Year of Completion	1992
Operated and Maintained by	Tamil Nadu Water Resources Department
River Basin	South Coast
River	Arjuna And Gowsiha
Dam Type	Composite Masonry and Earth fill
Height above lowest foundation level	15.9 m
Dam length	5700.0 m
Reservoir Area	197.0 m ²
Gross storage capacity	5040000.0 m ³
Effective storage capacity	5037400.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	1574.4 km ²
Perimeter of catchment	213.2 km
Basin Length	59824.0 m
Form factor	0.43991
Circularity ratio	0.43532
Elongation ratio	0.74815
Highest Stream order	8
Max elevation	1714.0 m
Min elevation	58.0 m
Mean bifurcation ratio	2.2284
Stream frequency	67.1700 per km ²
Relief	1656.00 m
Drainage density	9.1810 km/km ²
Length of overland flow	54.459 m

CATCHMENT CLIMATOLOGY

