

Siddhamalli Dam

Location	11.0692° N, 79.3125° E
State	Tamil Nadu
Nearest City	Udayarpalayam
Year of Completion	1987
Operated and Maintained by	Tamil Nadu Water Resources Department
River Basin	Cauvery
River	Siddhamalli Odai
Dam Type	Earthfill Embankment
Height above lowest foundation level	15.2 m
Dam length	5050.0 m
Reservoir Area	3585900.0 m ²
Gross storage capacity	6420000.0 m ³
Effective storage capacity	6418440.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	202.3 km ²
Perimeter of catchment	70.0 km
Basin Length	24510.0 m
Form factor	0.33666
Circularity ratio	0.51853
Elongation ratio	0.65449
Highest Stream order	6
Max elevation	116.0 m
Min elevation	20.0 m
Mean bifurcation ratio	2.1864
Stream frequency	67.7200 per km ²
Relief	96.00 m
Drainage density	9.1870 km/km ²
Length of overland flow	54.423 m

CATCHMENT CLIMATOLOGY

