

Sirumalaiyar Odai Dam

Location	10.2167° N, 77.9333° E
State	Tamil Nadu
Nearest City	Sambalpur
Year of Completion	2009
Operated and Maintained by	Tamil Nadu Water Resources Department
River Basin	South Coast
River	Sirumalaiyar
Dam Type	Composite Masonry and Earth fill
Height above lowest foundation level	19.3 m
Dam length	925.8 m
Reservoir Area	827189.0 m ²
Gross storage capacity	438650.0 m ³
Effective storage capacity	438650.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	0.6 km ²
Perimeter of catchment	4.4 km
Basin Length	1138.6 m
Form factor	0.49605
Circularity ratio	0.41676
Elongation ratio	0.79446
Highest Stream order	3
Max elevation	1112.0 m
Min elevation	301.0 m
Mean bifurcation ratio	3.2500
Stream frequency	93.3030 per km ²
Relief	811.00 m
Drainage density	12.0590 km/km ²
Length of overland flow	41.463 m

CATCHMENT CLIMATOLOGY

