

Vattamalaikarai Odai Dam

Location	10.9097° N, 77.6678° E
State	Tamil Nadu
Nearest City	Dharapuram
Year of Completion	1978
Operated and Maintained by	Tamil Nadu Water Resources Department
River Basin	Cauvery
River	V.K. Odai
Dam Type	Composite Masonry and Earth fill
Height above lowest foundation level	20.0 m
Dam length	1820.0 m
Reservoir Area	2060000.0 m ²
Gross storage capacity	7590000.0 m ³
Effective storage capacity	6890000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	449.3 km ²
Perimeter of catchment	126.5 km
Basin Length	48717.0 m
Form factor	0.18933
Circularity ratio	0.35298
Elongation ratio	0.49081
Highest Stream order	7
Max elevation	433.0 m
Min elevation	216.0 m
Mean bifurcation ratio	2.1086
Stream frequency	70.0450 per km ²
Relief	217.00 m
Drainage density	9.7220 km/km ²
Length of overland flow	51.430 m

CATCHMENT CLIMATOLOGY

