

Vandal Odai Dam

Location	10.3861° N, 77.0797° E
State	Tamil Nadu
Nearest City	Ambasamudaram
Year of Completion	2007
Operated and Maintained by	Tamil Nadu Water Resources Department
River Basin	West Coast
River	Vandal Odai
Dam Type	Composite Masonry and Earth fill
Height above lowest foundation level	117.0 m
Dam length	1350.0 m
Reservoir Area	5850000.0 m ²
Gross storage capacity	116000000.0 m ³
Effective storage capacity	1641400.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	49.6 km ²
Perimeter of catchment	33.7 km
Basin Length	8326.2 m
Form factor	0.71486
Circularity ratio	0.54835
Elongation ratio	0.95372
Highest Stream order	6
Max elevation	2481.0 m
Min elevation	1021.0 m
Mean bifurcation ratio	2.4823
Stream frequency	85.9400 per km ²
Relief	1460.00 m
Drainage density	13.1750 km/km ²
Length of overland flow	37.952 m

CATCHMENT CLIMATOLOGY

