

Vaigai Dam

Location	10.0533° N, 77.5897° E
State	Tamil Nadu
Nearest City	Periakulam
Year of Completion	1959
Operated and Maintained by	Tamil Nadu Water Resources Department
River Basin	South Coast
River	Vaigai
Dam Type	Composite Masonry and Earth fill
Height above lowest foundation level	33.8 m
Dam length	3474.0 m
Reservoir Area	24190000.0 m ²
Gross storage capacity	173950000.0 m ³
Effective storage capacity	172478000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	2229.6 km ²
Perimeter of catchment	293.6 km
Basin Length	67992.0 m
Form factor	0.48230
Circularity ratio	0.32524
Elongation ratio	0.78337
Highest Stream order	8
Max elevation	2623.0 m
Min elevation	247.0 m
Mean bifurcation ratio	2.7105
Stream frequency	81.0510 per km ²
Relief	2376.00 m
Drainage density	12.2640 km/km ²
Length of overland flow	40.770 m

CATCHMENT CLIMATOLOGY

