

Erattayar Dam

Location	9.8097° N, 77.1056° E
State	Kerala
Nearest City	Kattappana
Year of Completion	1989
Operated and Maintained by	Kerala State Electricity Board
River Basin	South Coast
River	Irattayar
Dam Type	Concrete Gravity or RCC
Height above lowest foundation level	19.8 m
Dam length	146.3 m
Reservoir Area	970000.0 m ²
Gross storage capacity	5351000.0 m ³
Effective storage capacity	5085000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	67.0 km ²
Perimeter of catchment	45.1 km
Basin Length	9433.6 m
Form factor	0.75315
Circularity ratio	0.41410
Elongation ratio	0.97893
Highest Stream order	6
Max elevation	1233.0 m
Min elevation	750.0 m
Mean bifurcation ratio	2.4980
Stream frequency	75.4650 per km ²
Relief	483.00 m
Drainage density	10.8910 km/km ²
Length of overland flow	45.908 m

CATCHMENT CLIMATOLOGY

