

Idamalayar(Eb) Dam

Location	10.2217° N, 76.7058° E
State	Kerala
Nearest City	Devikulam
Year of Completion	1987
Operated and Maintained by	Kerala State Electricity Board
River Basin	South Coast
River	Idamalayar
Dam Type	Concrete Gravity or RCC
Height above lowest foundation level	102.0 m
Dam length	373.0 m
Reservoir Area	28300000.0 m ²
Gross storage capacity	1089800000.0 m ³
Effective storage capacity	1017800000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	472.2 km ²
Perimeter of catchment	168.6 km
Basin Length	46533.0 m
Form factor	0.21807
Circularity ratio	0.20881
Elongation ratio	0.52676
Highest Stream order	7
Max elevation	2535.0 m
Min elevation	74.0 m
Mean bifurcation ratio	2.4936
Stream frequency	88.3340 per km ²
Relief	2461.00 m
Drainage density	13.9550 km/km ²
Length of overland flow	35.828 m

CATCHMENT CLIMATOLOGY

