

Cavaiar Dam

Location	9.4003° N, 77.1653° E
State	Kerala
Nearest City	Ranni
Year of Completion	1989
Operated and Maintained by	Kerala State Electricity Board
River Basin	South Coast
River	Gaviar
Dam Type	Concrete Gravity or RCC
Height above lowest foundation level	17.1 m
Dam length	97.5 m
Reservoir Area	971449.0 m ²
Gross storage capacity	2780000.0 m ³
Effective storage capacity	m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	75.7 km ²
Perimeter of catchment	43.4 km
Basin Length	10695.0 m
Form factor	0.66210
Circularity ratio	0.50481
Elongation ratio	0.91785
Highest Stream order	7
Max elevation	1806.0 m
Min elevation	948.0 m
Mean bifurcation ratio	2.6573
Stream frequency	74.9430 per km ²
Relief	858.00 m
Drainage density	10.8020 km/km ²
Length of overland flow	46.288 m

CATCHMENT CLIMATOLOGY

