

Sholayar (Main) Dam

Location	10.3222° N, 76.7356° E
State	Kerala
Nearest City	Mukundapuram
Year of Completion	1966
Operated and Maintained by	Kerala State Electricity Board
River Basin	South Coast
River	Chalakydy
Dam Type	Masonry Gravity
Height above lowest foundation level	66.1 m
Dam length	430.5 m
Reservoir Area	8705000.0 m ²
Gross storage capacity	153480000.0 m ³
Effective storage capacity	149230000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	2.1 km ²
Perimeter of catchment	6.0 km
Basin Length	1921.8 m
Form factor	0.55758
Circularity ratio	0.72439
Elongation ratio	0.84229
Highest Stream order	4
Max elevation	914.0 m
Min elevation	769.0 m
Mean bifurcation ratio	3.1964
Stream frequency	84.9750 per km ²
Relief	145.00 m
Drainage density	12.1420 km/km ²
Length of overland flow	41.179 m

CATCHMENT CLIMATOLOGY

