

Sholayar (Saddle) Dam

Location	10.3083° N, 76.7447° E
State	Kerala
Nearest City	Mukundapuram
Year of Completion	1966
Operated and Maintained by	Kerala State Electricity Board
River Basin	South Coast
River	Sholayar
Dam Type	Earthfill Embankment
Height above lowest foundation level	18.6 m
Dam length	109.1 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	190.7 km ²
Perimeter of catchment	99.1 km
Basin Length	34512.0 m
Form factor	0.16009
Circularity ratio	0.24426
Elongation ratio	0.45132
Highest Stream order	6
Max elevation	2329.0 m
Min elevation	574.0 m
Mean bifurcation ratio	2.1801
Stream frequency	75.8980 per km ²
Relief	1755.00 m
Drainage density	11.0430 km/km ²
Length of overland flow	45.277 m

CATCHMENT CLIMATOLOGY

