

Kulamavu Saddle Dam

Location	9.8056° N, 76.8878° E
State	Kerala
Nearest City	Idukki
Year of Completion	1977
Operated and Maintained by	Kerala State Electricity Board
River Basin	South Coast
River	Ghataprabha
Dam Type	Earthfill Embankment
Height above lowest foundation level	100.0 m
Dam length	385.0 m
Reservoir Area	44793770.0 m ²
Gross storage capacity	1996000000.0 m ³
Effective storage capacity	1459430000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	4.2 km ²
Perimeter of catchment	10.5 km
Basin Length	4001.6 m
Form factor	0.26511
Circularity ratio	0.48319
Elongation ratio	0.58079
Highest Stream order	4
Max elevation	909.0 m
Min elevation	709.0 m
Mean bifurcation ratio	2.3754
Stream frequency	76.5600 per km ²
Relief	200.00 m
Drainage density	10.4930 km/km ²
Length of overland flow	47.652 m

CATCHMENT CLIMATOLOGY

