

Poringalkuthu Dam

Location	10.3156° N, 76.6350° E
State	Kerala
Nearest City	Mukundapuram
Year of Completion	1957
Operated and Maintained by	Kerala State Electricity Board
River Basin	South Coast
River	Chalakydy
Dam Type	Composite Concrete and Masonry
Height above lowest foundation level	51.8 m
Dam length	365.8 m
Reservoir Area	2820000.0 m ²
Gross storage capacity	32000000.0 m ³
Effective storage capacity	30300000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	1006.3 km ²
Perimeter of catchment	171.0 km
Basin Length	46538.0 m
Form factor	0.46465
Circularity ratio	0.43263
Elongation ratio	0.76891
Highest Stream order	8
Max elevation	2329.0 m
Min elevation	389.0 m
Mean bifurcation ratio	2.5595
Stream frequency	79.5420 per km ²
Relief	1940.00 m
Drainage density	11.9410 km/km ²
Length of overland flow	41.871 m

CATCHMENT CLIMATOLOGY

