

## Chulliar (Gayathri Stage II) Dam

Location	10.5931° N, 76.7678° E
State	Kerala
Nearest City	Chittur
Year of Completion	1970
Operated and Maintained by	Kerala Water Resources Department
River Basin	West Coast
River	Chuliyar
Dam Type	Masonry Gravity
Height above lowest foundation level	48.8 m
Dam length	555.0 m
Reservoir Area	1650000.0 m <sup>2</sup>
Gross storage capacity	13700000.0 m <sup>3</sup>
Effective storage capacity	1370000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	33.3 km <sup>2</sup>
Perimeter of catchment	25.6 km
Basin Length	8784.1 m
Form factor	0.43213
Circularity ratio	0.63984
Elongation ratio	0.74151
Highest Stream order	6
Max elevation	1234.0 m
Min elevation	132.0 m
Mean bifurcation ratio	4.0148
Stream frequency	88.3530 per km <sup>2</sup>
Relief	1102.00 m
Drainage density	13.7240 km/km <sup>2</sup>
Length of overland flow	36.434 m

## CATCHMENT CLIMATOLOGY

