

## Periyar Valley Barrage Dam

Location	10.1378° N, 76.6667° E
State	Kerala
Nearest City	Kothamangalam
Year of Completion	1966
Operated and Maintained by	Kerala Water Resources Department
River Basin	South Coast
River	Periyar
Dam Type	Barrage
Height above lowest foundation level	11.8 m
Dam length	210.9 m
Reservoir Area	16400000.0 m <sup>2</sup>
Gross storage capacity	169791000.0 m <sup>3</sup>
Effective storage capacity	169791000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	3857.4 km <sup>2</sup>
Perimeter of catchment	520.3 km
Basin Length	118990.0 m
Form factor	0.27243
Circularity ratio	0.17909
Elongation ratio	0.58876
Highest Stream order	9
Max elevation	2635.0 m
Min elevation	13.0 m
Mean bifurcation ratio	2.3223
Stream frequency	80.5690 per km <sup>2</sup>
Relief	2622.00 m
Drainage density	12.2150 km/km <sup>2</sup>
Length of overland flow	40.932 m

## CATCHMENT CLIMATOLOGY

