

## Perunchani Dam

Location	8.3644° N, 77.3578° E
State	Tamil Nadu
Nearest City	Kalkulam
Year of Completion	1952
Operated and Maintained by	Tamil Nadu Water Resources Department
River Basin	South Coast
River	Paraliyar
Dam Type	Concrete Gravity or RCC
Height above lowest foundation level	36.3 m
Dam length	308.0 m
Reservoir Area	9620000.0 m <sup>2</sup>
Gross storage capacity	81787000.0 m <sup>3</sup>
Effective storage capacity	81787000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	165.4 km <sup>2</sup>
Perimeter of catchment	64.9 km
Basin Length	16666.0 m
Form factor	0.59536
Circularity ratio	0.49289
Elongation ratio	0.87036
Highest Stream order	6
Max elevation	1773.0 m
Min elevation	68.0 m
Mean bifurcation ratio	3.0651
Stream frequency	87.1070 per km <sup>2</sup>
Relief	1705.00 m
Drainage density	13.7650 km/km <sup>2</sup>
Length of overland flow	36.325 m

## CATCHMENT CLIMATOLOGY

