

## Noyyal Orathupalayam Dam

Location	11.1089° N, 77.5400° E
State	Tamil Nadu
Nearest City	Dharapuram
Year of Completion	1992
Operated and Maintained by	Tamil Nadu Water Resources Department
River Basin	Cauvery
River	Noyyal
Dam Type	Composite Masonry and Earth fill
Height above lowest foundation level	21.7 m
Dam length	2290.0 m
Reservoir Area	2245000.0 m <sup>2</sup>
Gross storage capacity	17440000.0 m <sup>3</sup>
Effective storage capacity	17440000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	2295.8 km <sup>2</sup>
Perimeter of catchment	271.2 km
Basin Length	100400.0 m
Form factor	0.22776
Circularity ratio	0.39234
Elongation ratio	0.53832
Highest Stream order	8
Max elevation	1897.0 m
Min elevation	234.0 m
Mean bifurcation ratio	2.2730
Stream frequency	70.3830 per km <sup>2</sup>
Relief	1663.00 m
Drainage density	9.8590 km/km <sup>2</sup>
Length of overland flow	50.714 m

## CATCHMENT CLIMATOLOGY

