

## Noyyal Athupalayam Dam

Location	11.0339° N, 77.8161° E
State	Tamil Nadu
Nearest City	Karur
Year of Completion	1991
Operated and Maintained by	Tamil Nadu Water Resources Department
River Basin	Cauvery
River	Noyyal
Dam Type	Earthfill Embankment
Height above lowest foundation level	14.1 m
Dam length	2850.0 m
Reservoir Area	1630000.0 m <sup>2</sup>
Gross storage capacity	6600000.0 m <sup>3</sup>
Effective storage capacity	6460000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	15.7 km <sup>2</sup>
Perimeter of catchment	17.1 km
Basin Length	5551.7 m
Form factor	0.50846
Circularity ratio	0.67030
Elongation ratio	0.80434
Highest Stream order	5
Max elevation	227.0 m
Min elevation	163.0 m
Mean bifurcation ratio	2.5565
Stream frequency	72.4250 per km <sup>2</sup>
Relief	64.00 m
Drainage density	10.0760 km/km <sup>2</sup>
Length of overland flow	49.625 m

## CATCHMENT CLIMATOLOGY

