

Kuthiraiyar Dam

Location	10.3886° N, 77.3750° E
State	Tamil Nadu
Nearest City	Palani
Year of Completion	1990
Operated and Maintained by	Tamil Nadu Water Resources Department
River Basin	Cauvery
River	Amaravathy
Dam Type	Composite Masonry and Earth fill
Height above lowest foundation level	27.4 m
Dam length	899.9 m
Reservoir Area	590000.0 m ²
Gross storage capacity	7164000.0 m ³
Effective storage capacity	7164000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	73.3 km ²
Perimeter of catchment	53.0 km
Basin Length	18587.0 m
Form factor	0.21230
Circularity ratio	0.32793
Elongation ratio	0.51973
Highest Stream order	6
Max elevation	2359.0 m
Min elevation	363.0 m
Mean bifurcation ratio	2.3001
Stream frequency	86.0780 per km ²
Relief	1996.00 m
Drainage density	13.4230 km/km ²
Length of overland flow	37.250 m

CATCHMENT CLIMATOLOGY

