

Ponnaniyar Dam

Location	10.5797° N, 78.2592° E
State	Tamil Nadu
Nearest City	Kulithalai
Year of Completion	1974
Operated and Maintained by	Tamil Nadu Water Resources Department
River Basin	Cauvery
River	Ponnaniyar
Dam Type	Composite Masonry and Earth fill
Height above lowest foundation level	24.8 m
Dam length	247.0 m
Reservoir Area	1267000.0 m ²
Gross storage capacity	3390000.0 m ³
Effective storage capacity	3390000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	82.0 km ²
Perimeter of catchment	38.8 km
Basin Length	13906.0 m
Form factor	0.42397
Circularity ratio	0.68411
Elongation ratio	0.73447
Highest Stream order	6
Max elevation	951.0 m
Min elevation	231.0 m
Mean bifurcation ratio	2.1581
Stream frequency	80.3640 per km ²
Relief	720.00 m
Drainage density	12.0980 km/km ²
Length of overland flow	41.330 m

CATCHMENT CLIMATOLOGY

