

Periyar Forebay Dam

Location	9.6133° N, 77.1775° E
State	Tamil Nadu
Nearest City	Cumbum
Year of Completion	1958
Operated and Maintained by	Tamil Nadu Electricity Generation and Distribution Corporation
River Basin	South Coast
River	Vairavanar
Dam Type	Masonry Gravity
Height above lowest foundation level	38.0 m
Dam length	88.0 m
Reservoir Area	1950000.0 m ²
Gross storage capacity	90600.0 m ³
Effective storage capacity	90600.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	2.4 km ²
Perimeter of catchment	6.5 km
Basin Length	1679.8 m
Form factor	0.84484
Circularity ratio	0.71209
Elongation ratio	1.03680
Highest Stream order	4
Max elevation	1039.0 m
Min elevation	721.0 m
Mean bifurcation ratio	2.8794
Stream frequency	77.1820 per km ²
Relief	318.00 m
Drainage density	10.9170 km/km ²
Length of overland flow	45.798 m

CATCHMENT CLIMATOLOGY

