

Western Catchment Weir-I Dam

Location	11.2814° N, 76.5308° E
State	Tamil Nadu
Nearest City	Uthagamandalam
Year of Completion	1966
Operated and Maintained by	Tamil Nadu Electricity Generation and Distribution Corporation
River Basin	West Coast
River	Arickyampuzha
Dam Type	Masonry Gravity
Height above lowest foundation level	18.0 m
Dam length	72.0 m
Reservoir Area	22745.0 m ²
Gross storage capacity	126000.0 m ³
Effective storage capacity	123000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	3.2 km ²
Perimeter of catchment	9.6 km
Basin Length	3270.9 m
Form factor	0.30361
Circularity ratio	0.44135
Elongation ratio	0.62153
Highest Stream order	4
Max elevation	2585.0 m
Min elevation	2188.0 m
Mean bifurcation ratio	2.7309
Stream frequency	78.8100 per km ²
Relief	397.00 m
Drainage density	10.9530 km/km ²
Length of overland flow	45.648 m

CATCHMENT CLIMATOLOGY

