

Western Catchment Weir-li Dam

Location	11.3192° N, 76.5431° 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	Karampuzha
Dam Type	Masonry Gravity
Height above lowest foundation level	30.0 m
Dam length	85.0 m
Reservoir Area	4694.0 m ²
Gross storage capacity	549000.0 m ³
Effective storage capacity	396000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	3.2 km ²
Perimeter of catchment	7.6 km
Basin Length	2073.2 m
Form factor	0.73379
Circularity ratio	0.69402
Elongation ratio	0.96626
Highest Stream order	4
Max elevation	2554.0 m
Min elevation	2335.0 m
Mean bifurcation ratio	2.5846
Stream frequency	71.9730 per km ²
Relief	219.00 m
Drainage density	9.8680 km/km ²
Length of overland flow	50.670 m

CATCHMENT CLIMATOLOGY

