

Upper Aliyar Dam

Location	10.4372° N, 77.0136° E
State	Tamil Nadu
Nearest City	Pollachi.
Year of Completion	1971
Operated and Maintained by	Tamil Nadu Electricity Generation and Distribution Corporation
River Basin	West Coast
River	Aliyar
Dam Type	Masonry Gravity
Height above lowest foundation level	81.0 m
Dam length	315.0 m
Reservoir Area	1170000.0 m ²
Gross storage capacity	26570000.0 m ³
Effective storage capacity	25840000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	121.1 km ²
Perimeter of catchment	55.8 km
Basin Length	16963.0 m
Form factor	0.42099
Circularity ratio	0.48830
Elongation ratio	0.73189
Highest Stream order	7
Max elevation	2481.0 m
Min elevation	682.0 m
Mean bifurcation ratio	2.4236
Stream frequency	86.8960 per km ²
Relief	1799.00 m
Drainage density	13.6170 km/km ²
Length of overland flow	36.720 m

CATCHMENT CLIMATOLOGY

