

Upper Nirar Weir Dam

Location	10.2986° N, 77.0233° E
State	Tamil Nadu
Nearest City	Pollachi.
Year of Completion	1975
Operated and Maintained by	Tamil Nadu Water Resources Department
River Basin	South Coast
River	Nirar
Dam Type	Masonry Gravity
Height above lowest foundation level	27.5 m
Dam length	132.6 m
Reservoir Area	80000.0 m ²
Gross storage capacity	1010000.0 m ³
Effective storage capacity	m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	77.8 km ²
Perimeter of catchment	43.7 km
Basin Length	11810.0 m
Form factor	0.55774
Circularity ratio	0.51304
Elongation ratio	0.84241
Highest Stream order	6
Max elevation	2498.0 m
Min elevation	1131.0 m
Mean bifurcation ratio	3.1659
Stream frequency	87.6480 per km ²
Relief	1367.00 m
Drainage density	13.7580 km/km ²
Length of overland flow	36.343 m

CATCHMENT CLIMATOLOGY

