

Lower Nirar Dam

Location	10.2736° N, 76.9842° E
State	Tamil Nadu
Nearest City	Pollachi.
Year of Completion	1982
Operated and Maintained by	Tamil Nadu Water Resources Department
River Basin	South Coast
River	Nirar
Dam Type	Composite Masonry and Earth fill
Height above lowest foundation level	50.3 m
Dam length	189.0 m
Reservoir Area	520000.0 m ²
Gross storage capacity	7760000.0 m ³
Effective storage capacity	4930000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	102.7 km ²
Perimeter of catchment	55.1 km
Basin Length	15065.0 m
Form factor	0.45259
Circularity ratio	0.42526
Elongation ratio	0.75886
Highest Stream order	6
Max elevation	2498.0 m
Min elevation	984.0 m
Mean bifurcation ratio	2.5489
Stream frequency	87.5570 per km ²
Relief	1514.00 m
Drainage density	13.7020 km/km ²
Length of overland flow	36.492 m

CATCHMENT CLIMATOLOGY

