

Nanganjiar Dam

Location	10.5969° N, 77.8336° E
State	Tamil Nadu
Nearest City	Palani
Year of Completion	2007
Operated and Maintained by	Tamil Nadu Water Resources Department
River Basin	Cauvery
River	Nanganjiyar
Dam Type	Composite Masonry and Earth fill
Height above lowest foundation level	21.5 m
Dam length	2680.0 m
Reservoir Area	3980000.0 m ²
Gross storage capacity	7200000.0 m ³
Effective storage capacity	6590000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	440.0 km ²
Perimeter of catchment	106.0 km
Basin Length	31965.0 m
Form factor	0.43059
Circularity ratio	0.49244
Elongation ratio	0.74018
Highest Stream order	7
Max elevation	1414.0 m
Min elevation	221.0 m
Mean bifurcation ratio	2.7733
Stream frequency	74.7160 per km ²
Relief	1193.00 m
Drainage density	10.8090 km/km ²
Length of overland flow	46.258 m

CATCHMENT CLIMATOLOGY

