

Shanmuganadhi Dam

Location	9.7317° N, 77.3542° E
State	Tamil Nadu
Nearest City	Uthamapalayam
Year of Completion	2004
Operated and Maintained by	Tamil Nadu Water Resources Department
River Basin	South Coast
River	Shanmugha Nathi
Dam Type	Composite Masonry and Earth fill
Height above lowest foundation level	20.0 m
Dam length	638.0 m
Reservoir Area	2.3 m ²
Gross storage capacity	2251830.0 m ³
Effective storage capacity	1775540.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	30.0 km ²
Perimeter of catchment	23.1 km
Basin Length	6436.7 m
Form factor	0.72370
Circularity ratio	0.70539
Elongation ratio	0.95959
Highest Stream order	6
Max elevation	1690.0 m
Min elevation	408.0 m
Mean bifurcation ratio	2.7268
Stream frequency	86.1800 per km ²
Relief	1282.00 m
Drainage density	13.2920 km/km ²
Length of overland flow	37.618 m

CATCHMENT CLIMATOLOGY

