

Sathanur Dam

Location	12.1836° N, 78.8503° E
State	Tamil Nadu
Nearest City	Chengam
Year of Completion	1958
Operated and Maintained by	Tamil Nadu Water Resources Department
River Basin	East Coast
River	Ponnaiar
Dam Type	Composite Masonry and Earth fill
Height above lowest foundation level	44.8 m
Dam length	786.4 m
Reservoir Area	20100000.0 m ²
Gross storage capacity	229370000.0 m ³
Effective storage capacity	207310000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	10961.0 km ²
Perimeter of catchment	857.3 km
Basin Length	196190.0 m
Form factor	0.28475
Circularity ratio	0.18748
Elongation ratio	0.60193
Highest Stream order	9
Max elevation	1621.0 m
Min elevation	175.0 m
Mean bifurcation ratio	2.1676
Stream frequency	74.9790 per km ²
Relief	1446.00 m
Drainage density	10.7980 km/km ²
Length of overland flow	46.305 m

CATCHMENT CLIMATOLOGY

