

Poondi Dam

Location	13.2100° N, 79.8711° E
State	Tamil Nadu
Nearest City	Tiruvallur
Year of Completion	1944
Operated and Maintained by	Tamil Nadu Water Resources Department
River Basin	East Coast
River	Kosasthalaiyar
Dam Type	Composite Masonry and Earth fill
Height above lowest foundation level	12.3 m
Dam length	3856.0 m
Reservoir Area	34580000.0 m ²
Gross storage capacity	91491645.1 m ³
Effective storage capacity	91491645.1 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	2847.0 km ²
Perimeter of catchment	282.0 km
Basin Length	79446.0 m
Form factor	0.45107
Circularity ratio	0.45014
Elongation ratio	0.75759
Highest Stream order	9
Max elevation	670.0 m
Min elevation	26.0 m
Mean bifurcation ratio	2.2506
Stream frequency	71.5940 per km ²
Relief	644.00 m
Drainage density	9.9880 km/km ²
Length of overland flow	50.060 m

CATCHMENT CLIMATOLOGY

