

Varadhamanadhi Dam

Location	10.3867° N, 77.5492° E
State	Tamil Nadu
Nearest City	Palani
Year of Completion	1978
Operated and Maintained by	Tamil Nadu Water Resources Department
River Basin	Cauvery
River	Varadhamanadhi
Dam Type	Composite Masonry and Earth fill
Height above lowest foundation level	26.0 m
Dam length	297.0 m
Reservoir Area	390000.0 m ²
Gross storage capacity	31400000.0 m ³
Effective storage capacity	31400000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	76.7 km ²
Perimeter of catchment	41.6 km
Basin Length	11756.0 m
Form factor	0.55485
Circularity ratio	0.55637
Elongation ratio	0.84023
Highest Stream order	6
Max elevation	2063.0 m
Min elevation	346.0 m
Mean bifurcation ratio	2.9189
Stream frequency	91.7870 per km ²
Relief	1717.00 m
Drainage density	14.5390 km/km ²
Length of overland flow	34.391 m

CATCHMENT CLIMATOLOGY

