

Vaniar Dam

Location	11.9039° N, 78.3256° E
State	Tamil Nadu
Nearest City	Harur
Year of Completion	1985
Operated and Maintained by	Tamil Nadu Water Resources Department
River Basin	East Coast
River	Vanniyar
Dam Type	Earthfill Embankment
Height above lowest foundation level	31.0 m
Dam length	1136.0 m
Reservoir Area	1093000.0 m ²
Gross storage capacity	11780000.0 m ³
Effective storage capacity	3114850.2 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	100.0 km ²
Perimeter of catchment	49.8 km
Basin Length	19270.0 m
Form factor	0.26927
Circularity ratio	0.50755
Elongation ratio	0.58533
Highest Stream order	6
Max elevation	1621.0 m
Min elevation	457.0 m
Mean bifurcation ratio	2.5887
Stream frequency	88.3270 per km ²
Relief	1164.00 m
Drainage density	13.8600 km/km ²
Length of overland flow	36.076 m

CATCHMENT CLIMATOLOGY

