

Vazhani Dam

Location	10.6358° N, 76.3075° E
State	Kerala
Nearest City	Thatapalli
Year of Completion	1959
Operated and Maintained by	Kerala Water Resources Department
River Basin	West Coast
River	Wadakkanchery
Dam Type	Earthfill Embankment
Height above lowest foundation level	26.9 m
Dam length	792.5 m
Reservoir Area	1820000.0 m ²
Gross storage capacity	18120000.0 m ³
Effective storage capacity	16649000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	18.1 km ²
Perimeter of catchment	20.0 km
Basin Length	5738.1 m
Form factor	0.54861
Circularity ratio	0.56865
Elongation ratio	0.83549
Highest Stream order	5
Max elevation	475.0 m
Min elevation	35.0 m
Mean bifurcation ratio	2.5844
Stream frequency	75.5110 per km ²
Relief	440.00 m
Drainage density	10.8280 km/km ²
Length of overland flow	46.176 m

CATCHMENT CLIMATOLOGY

