

Malankara Dam

Location	9.8525° N, 76.7453° E
State	Kerala
Nearest City	Todupulai
Year of Completion	1994
Operated and Maintained by	Kerala Water Resources Department
River Basin	South Coast
River	Thodupuzha.
Dam Type	Composite Masonry and Earth fill
Height above lowest foundation level	35.0 m
Dam length	460.0 m
Reservoir Area	4660000.0 m ²
Gross storage capacity	37300000.0 m ³
Effective storage capacity	10300000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	171.8 km ²
Perimeter of catchment	83.1 km
Basin Length	25349.0 m
Form factor	0.26732
Circularity ratio	0.31278
Elongation ratio	0.58322
Highest Stream order	7
Max elevation	1056.0 m
Min elevation	29.0 m
Mean bifurcation ratio	2.7793
Stream frequency	84.5990 per km ²
Relief	1027.00 m
Drainage density	13.1170 km/km ²
Length of overland flow	38.119 m

CATCHMENT CLIMATOLOGY

