

Meenar I Dam

Location	9.4164° N, 77.1761° E
State	Kerala
Nearest City	Ranni
Year of Completion	1991
Operated and Maintained by	Kerala State Electricity Board
River Basin	South Coast
River	Meenar
Dam Type	Masonry Gravity
Height above lowest foundation level	17.2 m
Dam length	65.0 m
Reservoir Area	0.0 m ²
Gross storage capacity	30000.0 m ³
Effective storage capacity	30000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	2.0 km ²
Perimeter of catchment	7.1 km
Basin Length	2078.8 m
Form factor	0.47216
Circularity ratio	0.50356
Elongation ratio	0.77510
Highest Stream order	4
Max elevation	1246.0 m
Min elevation	1038.0 m
Mean bifurcation ratio	2.2048
Stream frequency	72.5380 per km ²
Relief	208.00 m
Drainage density	9.2600 km/km ²
Length of overland flow	53.998 m

CATCHMENT CLIMATOLOGY

