

Upper Moozhiyar Dam

Location	9.3081° N, 77.0658° E
State	Kerala
Nearest City	Vandiperiyar
Year of Completion	1979
Operated and Maintained by	Kerala State Electricity Board
River Basin	South Coast
River	Moozhiyar
Dam Type	Earthfill Embankment
Height above lowest foundation level	19.0 m
Dam length	97.0 m
Reservoir Area	145700.0 m ²
Gross storage capacity	5660000.0 m ³
Effective storage capacity	1160000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	39.0 km ²
Perimeter of catchment	34.5 km
Basin Length	9243.4 m
Form factor	0.45613
Circularity ratio	0.41107
Elongation ratio	0.76182
Highest Stream order	6
Max elevation	1181.0 m
Min elevation	193.0 m
Mean bifurcation ratio	2.7258
Stream frequency	83.0340 per km ²
Relief	988.00 m
Drainage density	12.6600 km/km ²
Length of overland flow	39.493 m

CATCHMENT CLIMATOLOGY

