

Moozhiyar Dam

Location	9.3083° N, 77.0667° E
State	Kerala
Nearest City	Ranni
Year of Completion	1999
Operated and Maintained by	Kerala State Electricity Board
River Basin	South Coast
River	Moozhiyar
Dam Type	Masonry Gravity
Height above lowest foundation level	34.2 m
Dam length	176.5 m
Reservoir Area	145700.0 m ²
Gross storage capacity	1500000.0 m ³
Effective storage capacity	1160000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	38.9 km ²
Perimeter of catchment	34.4 km
Basin Length	9141.0 m
Form factor	0.46588
Circularity ratio	0.41361
Elongation ratio	0.76992
Highest Stream order	6
Max elevation	1181.0 m
Min elevation	193.0 m
Mean bifurcation ratio	2.7622
Stream frequency	82.8710 per km ²
Relief	988.00 m
Drainage density	12.6340 km/km ²
Length of overland flow	39.574 m

CATCHMENT CLIMATOLOGY

