

Kotagiri Saddle Dam

Location	11.5903° N, 76.0833° E
State	Kerala
Nearest City	Kalpetta
Year of Completion	1992
Operated and Maintained by	Kerala State Electricity Board
River Basin	Cauvery
River	Karamanthode
Dam Type	Earthfill Embankment
Height above lowest foundation level	14.5 m
Dam length	62.0 m
Reservoir Area	12770000.0 m ²
Gross storage capacity	209180000.0 m ³
Effective storage capacity	209000000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	40.1 km ²
Perimeter of catchment	27.2 km
Basin Length	7575.1 m
Form factor	0.69895
Circularity ratio	0.68282
Elongation ratio	0.94305
Highest Stream order	6
Max elevation	1767.0 m
Min elevation	743.0 m
Mean bifurcation ratio	2.6166
Stream frequency	77.5920 per km ²
Relief	1024.00 m
Drainage density	11.2250 km/km ²
Length of overland flow	44.544 m

CATCHMENT CLIMATOLOGY

