

Kosani Saddle Dam

Location	11.6192° N, 75.9206° E
State	Kerala
Nearest City	Koyilandi
Year of Completion	1991
Operated and Maintained by	Kerala State Electricity Board
River Basin	Cauvery
River	Karamanthode
Dam Type	Earthfill Embankment
Height above lowest foundation level	13.8 m
Dam length	111.8 m
Reservoir Area	12770000.0 m ²
Gross storage capacity	209000000.0 m ³
Effective storage capacity	185430000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	9.7 km ²
Perimeter of catchment	18.3 km
Basin Length	7116.5 m
Form factor	0.19159
Circularity ratio	0.36317
Elongation ratio	0.49374
Highest Stream order	5
Max elevation	1488.0 m
Min elevation	738.0 m
Mean bifurcation ratio	2.7277
Stream frequency	81.9330 per km ²
Relief	750.00 m
Drainage density	12.2560 km/km ²
Length of overland flow	40.797 m

CATCHMENT CLIMATOLOGY

