

Kuttiyadi Irrigation Project Dam

Location	11.6326° N, 75.8186° E
State	Kerala
Nearest City	Koyilandi
Year of Completion	1993
Operated and Maintained by	Kerala Water Resources Department
River Basin	West Coast
River	Kuttiyadi
Dam Type	Earthfill Embankment
Height above lowest foundation level	35.4 m
Dam length	170.6 m
Reservoir Area	10520000.0 m ²
Gross storage capacity	120520000.0 m ³
Effective storage capacity	113440000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	37.3 km ²
Perimeter of catchment	33.0 km
Basin Length	12149.0 m
Form factor	0.25263
Circularity ratio	0.43024
Elongation ratio	0.56696
Highest Stream order	6
Max elevation	1984.0 m
Min elevation	36.0 m
Mean bifurcation ratio	2.5323
Stream frequency	87.3710 per km ²
Relief	1948.00 m
Drainage density	13.5990 km/km ²
Length of overland flow	36.766 m

CATCHMENT CLIMATOLOGY

