

Kallada (Parappar) Dam

Location	8.9547° N, 77.0697° E
State	Kerala
Nearest City	Pathanamthitta
Year of Completion	1986
Operated and Maintained by	Kerala Water Resources Department
River Basin	South Coast
River	Kallada
Dam Type	Earthfill Embankment
Height above lowest foundation level	85.4 m
Dam length	335.0 m
Reservoir Area	23000000.0 m ²
Gross storage capacity	524000000.0 m ³
Effective storage capacity	507000000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	554.8 km ²
Perimeter of catchment	121.8 km
Basin Length	27363.0 m
Form factor	0.74097
Circularity ratio	0.47031
Elongation ratio	0.97098
Highest Stream order	8
Max elevation	1747.0 m
Min elevation	71.0 m
Mean bifurcation ratio	7.0005
Stream frequency	82.9080 per km ²
Relief	1676.00 m
Drainage density	12.7670 km/km ²
Length of overland flow	39.163 m

CATCHMENT CLIMATOLOGY

