

## Walayar Dam

Location	10.8383° N, 76.8533° E
State	Kerala
Nearest City	Palakkad
Year of Completion	1956
Operated and Maintained by	Kerala Water Resources Department
River Basin	West Coast
River	Korayar
Dam Type	Composite Masonry and Earth fill
Height above lowest foundation level	30.5 m
Dam length	1479.0 m
Reservoir Area	2590000.0 m <sup>2</sup>
Gross storage capacity	18400000.0 m <sup>3</sup>
Effective storage capacity	184000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	109.7 km <sup>2</sup>
Perimeter of catchment	55.1 km
Basin Length	12863.0 m
Form factor	0.66280
Circularity ratio	0.45399
Elongation ratio	0.91833
Highest Stream order	7
Max elevation	1208.0 m
Min elevation	177.0 m
Mean bifurcation ratio	9.0788
Stream frequency	81.9760 per km <sup>2</sup>
Relief	1031.00 m
Drainage density	12.4300 km/km <sup>2</sup>
Length of overland flow	40.227 m

## CATCHMENT CLIMATOLOGY

