

## Mangalam Dam

Location	10.5153° N, 76.5333° E
State	Kerala
Nearest City	Alathur
Year of Completion	1966
Operated and Maintained by	Kerala Water Resources Department
River Basin	West Coast
River	Cherukunnam
Dam Type	Masonry Gravity
Height above lowest foundation level	16.9 m
Dam length	1057.0 m
Reservoir Area	3960000.0 m <sup>2</sup>
Gross storage capacity	25494000.0 m <sup>3</sup>
Effective storage capacity	25344000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	42.7 km <sup>2</sup>
Perimeter of catchment	30.4 km
Basin Length	9510.0 m
Form factor	0.47257
Circularity ratio	0.58242
Elongation ratio	0.77543
Highest Stream order	5
Max elevation	1251.0 m
Min elevation	62.0 m
Mean bifurcation ratio	2.8773
Stream frequency	83.9970 per km <sup>2</sup>
Relief	1189.00 m
Drainage density	12.8950 km/km <sup>2</sup>
Length of overland flow	38.775 m

## CATCHMENT CLIMATOLOGY

