

## Kanjirapuzha Dam

Location	10.9861° N, 76.5389° E
State	Kerala
Nearest City	Mannarkkad
Year of Completion	1983
Operated and Maintained by	Kerala Water Resources Department
River Basin	West Coast
River	Kanjirapuzha
Dam Type	Composite Masonry and Earth fill
Height above lowest foundation level	30.8 m
Dam length	2127.0 m
Reservoir Area	4650000.0 m <sup>2</sup>
Gross storage capacity	70872400.0 m <sup>3</sup>
Effective storage capacity	69230000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	70.4 km <sup>2</sup>
Perimeter of catchment	37.8 km
Basin Length	11772.0 m
Form factor	0.50776
Circularity ratio	0.62023
Elongation ratio	0.80378
Highest Stream order	7
Max elevation	2043.0 m
Min elevation	71.0 m
Mean bifurcation ratio	3.2662
Stream frequency	90.1300 per km <sup>2</sup>
Relief	1972.00 m
Drainage density	14.3120 km/km <sup>2</sup>
Length of overland flow	34.935 m

## CATCHMENT CLIMATOLOGY

