

Gayathri Reservoir Dam

Location	13.7969° N, 76.7186° E
State	Karnataka
Nearest City	Hiriyur
Year of Completion	1963
Operated and Maintained by	Karnataka Water Resources Department
River Basin	Krishna
River	Suvarnamuki
Dam Type	Earthfill Embankment
Height above lowest foundation level	17.1 m
Dam length	1021.5 m
Reservoir Area	18310000.0 m ²
Gross storage capacity	27630000.0 m ³
Effective storage capacity	18080000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	1742.2 km ²
Perimeter of catchment	231.8 km
Basin Length	68863.0 m
Form factor	0.36738
Circularity ratio	0.40758
Elongation ratio	0.68370
Highest Stream order	8
Max elevation	1067.0 m
Min elevation	612.0 m
Mean bifurcation ratio	2.7088
Stream frequency	75.0870 per km ²
Relief	455.00 m
Drainage density	10.7780 km/km ²
Length of overland flow	46.391 m

CATCHMENT CLIMATOLOGY

