

Vanivilasa Sagar Dam

Location	13.8881° N, 76.4883° E
State	Karnataka
Nearest City	Hiriyur
Year of Completion	1907
Operated and Maintained by	Karnataka Water Resources Department
River Basin	Krishna
River	Vedavathy
Dam Type	Masonry Gravity
Height above lowest foundation level	49.4 m
Dam length	405.4 m
Reservoir Area	87630000.0 m ²
Gross storage capacity	850300000.0 m ³
Effective storage capacity	802500000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	5448.5 km ²
Perimeter of catchment	438.3 km
Basin Length	103870.0 m
Form factor	0.50498
Circularity ratio	0.35648
Elongation ratio	0.80158
Highest Stream order	9
Max elevation	1869.0 m
Min elevation	621.0 m
Mean bifurcation ratio	2.2046
Stream frequency	73.6210 per km ²
Relief	1248.00 m
Drainage density	10.4680 km/km ²
Length of overland flow	47.763 m

CATCHMENT CLIMATOLOGY

