

Upper Tunga Dam

Location	13.8414° N, 75.5267° E
State	Karnataka
Nearest City	Shimoga
Year of Completion	2005
Operated and Maintained by	Karnataka Water Resources Department
River Basin	Krishna
River	Tunga
Dam Type	Earthfill Embankment
Height above lowest foundation level	17.5 m
Dam length	791.4 m
Reservoir Area	16317500.0 m ²
Gross storage capacity	91859763.8 m ³
Effective storage capacity	50205721.7 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	2450.8 km ²
Perimeter of catchment	319.7 km
Basin Length	78910.0 m
Form factor	0.39358
Circularity ratio	0.30141
Elongation ratio	0.70766
Highest Stream order	8
Max elevation	1577.0 m
Min elevation	574.0 m
Mean bifurcation ratio	2.2649
Stream frequency	76.9210 per km ²
Relief	1003.00 m
Drainage density	11.1760 km/km ²
Length of overland flow	44.739 m

CATCHMENT CLIMATOLOGY

