

Varahi Diversion Weir Dam

Location	13.6578° N, 74.9483° E
State	Karnataka
Nearest City	Kundapur
Year of Completion	2009
Operated and Maintained by	Karnataka Water Resources Department
River Basin	West Coast
River	Varahi
Dam Type	Concrete Gravity or RCC
Height above lowest foundation level	22.5 m
Dam length	147.2 m
Reservoir Area	1225700.0 m ²
Gross storage capacity	6796036.8 m ³
Effective storage capacity	4813859.4 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	300.6 km ²
Perimeter of catchment	92.5 km
Basin Length	25825.0 m
Form factor	0.45065
Circularity ratio	0.44164
Elongation ratio	0.75723
Highest Stream order	7
Max elevation	934.0 m
Min elevation	32.0 m
Mean bifurcation ratio	2.5420
Stream frequency	77.6030 per km ²
Relief	902.00 m
Drainage density	11.2970 km/km ²
Length of overland flow	44.258 m

CATCHMENT CLIMATOLOGY

