

## Upper Wainganga (Sanjay Sarovar) Dam

Location	22.3756° N, 79.6617° E
State	Madhya Pradesh
Nearest City	Lakhnadon
Year of Completion	2005
Operated and Maintained by	Madhya Pradesh Water Resources Department
River Basin	Godavari
River	Wainganga
Dam Type	Composite Masonry and Earth fill
Height above lowest foundation level	42.7 m
Dam length	3871.2 m
Reservoir Area	55360000.0 m <sup>2</sup>
Gross storage capacity	507000000.0 m <sup>3</sup>
Effective storage capacity	410000000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	2007.8 km <sup>2</sup>
Perimeter of catchment	287.3 km
Basin Length	68347.0 m
Form factor	0.42983
Circularity ratio	0.30572
Elongation ratio	0.73953
Highest Stream order	8
Max elevation	1015.0 m
Min elevation	476.0 m
Mean bifurcation ratio	2.0951
Stream frequency	76.7070 per km <sup>2</sup>
Relief	539.00 m
Drainage density	10.5830 km/km <sup>2</sup>
Length of overland flow	47.245 m

## CATCHMENT CLIMATOLOGY

