

## Somasila Reservoir Dam

Location	14.4886° N, 79.3036° E
State	Andhra Pradesh
Nearest City	Atmakur
Year of Completion	1986
Operated and Maintained by	Andhra Pradesh Water Resources Department
River Basin	Pennar
River	Pennar
Dam Type	Other
Height above lowest foundation level	39.0 m
Dam length	352.0 m
Reservoir Area	212280000.0 m <sup>2</sup>
Gross storage capacity	2208370000.0 m <sup>3</sup>
Effective storage capacity	1994100000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	50871.0 km <sup>2</sup>
Perimeter of catchment	1332.9 km
Basin Length	270670.0 m
Form factor	0.69434
Circularity ratio	0.35989
Elongation ratio	0.93993
Highest Stream order	11
Max elevation	1404.0 m
Min elevation	56.0 m
Mean bifurcation ratio	2.1719
Stream frequency	74.4260 per km <sup>2</sup>
Relief	1348.00 m
Drainage density	10.5870 km/km <sup>2</sup>
Length of overland flow	47.229 m

## CATCHMENT CLIMATOLOGY

