

## Siddlagandi Project, Kotakadapalle (V) Dam

Location	13.8317° N, 79.1400° E
State	Andhra Pradesh
Nearest City	Vayalpad
Year of Completion	1959
Operated and Maintained by	Andhra Pradesh Water Resources Department
River Basin	Pennar
River	Talakona
Dam Type	Earthfill Embankment
Height above lowest foundation level	12.0 m
Dam length	1795.0 m
Reservoir Area	247000.0 m <sup>2</sup>
Gross storage capacity	2031000.0 m <sup>3</sup>
Effective storage capacity	1000000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	35.8 km <sup>2</sup>
Perimeter of catchment	34.5 km
Basin Length	11940.0 m
Form factor	0.25114
Circularity ratio	0.37817
Elongation ratio	0.56529
Highest Stream order	6
Max elevation	1050.0 m
Min elevation	538.0 m
Mean bifurcation ratio	5.1401
Stream frequency	87.8080 per km <sup>2</sup>
Relief	512.00 m
Drainage density	13.3910 km/km <sup>2</sup>
Length of overland flow	37.337 m

## CATCHMENT CLIMATOLOGY

