

Nakkalagandi Dam

Location	15.0578° N, 79.3747° E
State	Andhra Pradesh
Nearest City	Udayagiri
Year of Completion	1958
Operated and Maintained by	Andhra Pradesh Water Resources Department
River Basin	Pennar
River	Uppuvagu
Dam Type	Earthfill Embankment
Height above lowest foundation level	15.0 m
Dam length	354.0 m
Reservoir Area	659658.0 m ²
Gross storage capacity	4729000.0 m ³
Effective storage capacity	m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	141.0 km ²
Perimeter of catchment	58.7 km
Basin Length	18193.0 m
Form factor	0.42609
Circularity ratio	0.51521
Elongation ratio	0.73630
Highest Stream order	7
Max elevation	682.0 m
Min elevation	102.0 m
Mean bifurcation ratio	2.1666
Stream frequency	75.4320 per km ²
Relief	580.00 m
Drainage density	10.6990 km/km ²
Length of overland flow	46.734 m

CATCHMENT CLIMATOLOGY

