

Vottigedda Reservoir Dam

Location	18.8486° N, 83.6042° E
State	Andhra Pradesh
Nearest City	Parvathipuram
Year of Completion	1976
Operated and Maintained by	Andhra Pradesh Water Resources Department
River Basin	North East Coast
River	Nagavalli
Dam Type	Earthfill Embankment
Height above lowest foundation level	27.5 m
Dam length	2152.0 m
Reservoir Area	4402980.0 m ²
Gross storage capacity	27130000.0 m ³
Effective storage capacity	25150000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	296.4 km ²
Perimeter of catchment	113.2 km
Basin Length	23668.0 m
Form factor	0.52906
Circularity ratio	0.29052
Elongation ratio	0.82047
Highest Stream order	7
Max elevation	1091.0 m
Min elevation	126.0 m
Mean bifurcation ratio	2.3155
Stream frequency	83.8630 per km ²
Relief	965.00 m
Drainage density	12.4150 km/km ²
Length of overland flow	40.274 m

CATCHMENT CLIMATOLOGY

