

Gotta Barrage Dam

Location	18.6892° N, 83.9622° E
State	Andhra Pradesh
Nearest City	Hiramandalam
Year of Completion	1977
Operated and Maintained by	Andhra Pradesh Water Resources Department
River Basin	North East Coast
River	Vamsadhara
Dam Type	Earthfill Embankment
Height above lowest foundation level	20.4 m
Dam length	475.8 m
Reservoir Area	2770000000.0 m ²
Gross storage capacity	17329.0 m ³
Effective storage capacity	m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	9676.9 km ²
Perimeter of catchment	643.2 km
Basin Length	152620.0 m
Form factor	0.41544
Circularity ratio	0.29405
Elongation ratio	0.72705
Highest Stream order	9
Max elevation	1482.0 m
Min elevation	19.0 m
Mean bifurcation ratio	2.2345
Stream frequency	82.9670 per km ²
Relief	1463.00 m
Drainage density	12.2170 km/km ²
Length of overland flow	40.926 m

CATCHMENT CLIMATOLOGY

