

Ps Velegonda Project Gotimukkala Dam

Location	15.9594° N, 79.1369° E
State	Andhra Pradesh
Nearest City	Marakapur
Year of Completion	2009
Operated and Maintained by	Andhra Pradesh Water Resources Department
River Basin	Pennar
River	Krishna
Dam Type	Earthfill Embankment
Height above lowest foundation level	70.0 m
Dam length	575.0 m
Reservoir Area	69525000000.0 m ²
Gross storage capacity	1525000.0 m ³
Effective storage capacity	1231000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	199.8 km ²
Perimeter of catchment	91.5 km
Basin Length	33055.0 m
Form factor	0.18289
Circularity ratio	0.30026
Elongation ratio	0.48240
Highest Stream order	7
Max elevation	849.0 m
Min elevation	238.0 m
Mean bifurcation ratio	2.2713
Stream frequency	83.3010 per km ²
Relief	611.00 m
Drainage density	12.5340 km/km ²
Length of overland flow	39.891 m

CATCHMENT CLIMATOLOGY

