

## Pedda Cheru, Vellutla Dam

Location	18.2836° N, 78.0106° E
State	Telangana
Nearest City	Yellareddy
Year of Completion	1912
Operated and Maintained by	Telangana Irrigation and CAD Department
River Basin	Godavari
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Dam Type	Earthfill Embankment
Height above lowest foundation level	14.0 m
Dam length	660.0 m
Reservoir Area	1133000.0 m <sup>2</sup>
Gross storage capacity	2660000.0 m <sup>3</sup>
Effective storage capacity	2261000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	18.8 km <sup>2</sup>
Perimeter of catchment	18.3 km
Basin Length	5497.2 m
Form factor	0.62274
Circularity ratio	0.70840
Elongation ratio	0.89015
Highest Stream order	6
Max elevation	584.0 m
Min elevation	424.0 m
Mean bifurcation ratio	2.1342
Stream frequency	78.2730 per km <sup>2</sup>
Relief	160.00 m
Drainage density	11.0300 km/km <sup>2</sup>
Length of overland flow	45.330 m

## CATCHMENT CLIMATOLOGY

