

Velugodu Balancing Reservoir Dam

Location	15.7248° N, 78.5993° E
State	Andhra Pradesh
Nearest City	Atmakur
Year of Completion	Not Available
Operated and Maintained by	Andhra Pradesh Water Resources Department
River Basin	Pennar
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Dam Type	Earthfill Embankment
Height above lowest foundation level	28.0 m
Dam length	11640.0 m
Reservoir Area	46300000.0 m ²
Gross storage capacity	16950000.0 m ³
Effective storage capacity	16905000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	26.2 km ²
Perimeter of catchment	33.9 km
Basin Length	13534.0 m
Form factor	0.14298
Circularity ratio	0.28666
Elongation ratio	0.42652
Highest Stream order	5
Max elevation	613.0 m
Min elevation	244.0 m
Mean bifurcation ratio	2.1089
Stream frequency	80.3050 per km ²
Relief	369.00 m
Drainage density	11.6720 km/km ²
Length of overland flow	42.837 m

CATCHMENT CLIMATOLOGY

