

## Palaiguda Dam

Location	19.7866° N, 78.0780° E
State	Maharashtra
Nearest City	Mahur
Year of Completion	1999
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	Godavari
River	Local Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	19.8 m
Dam length	1016.0 m
Reservoir Area	1160000.0 m <sup>2</sup>
Gross storage capacity	5978000.0 m <sup>3</sup>
Effective storage capacity	5133000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	28.6 km <sup>2</sup>
Perimeter of catchment	27.2 km
Basin Length	7669.5 m
Form factor	0.48648
Circularity ratio	0.48580
Elongation ratio	0.78675
Highest Stream order	6
Max elevation	602.0 m
Min elevation	307.0 m
Mean bifurcation ratio	8.0937
Stream frequency	84.9910 per km <sup>2</sup>
Relief	295.00 m
Drainage density	12.4780 km/km <sup>2</sup>
Length of overland flow	40.071 m

## CATCHMENT CLIMATOLOGY

