

## Modikuntavagu Dam

Location	18.5464° N, 80.4389° E
State	Telangana
Nearest City	Badhrachalam
Year of Completion	Not Available
Operated and Maintained by	Telangana Irrigation and CAD Department
River Basin	Godavari
River	Modikuntavagu
Dam Type	Earthfill Embankment
Height above lowest foundation level	44.3 m
Dam length	1259.0 m
Reservoir Area	4721600.0 m <sup>2</sup>
Gross storage capacity	60660000.0 m <sup>3</sup>
Effective storage capacity	58480000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	197.9 km <sup>2</sup>
Perimeter of catchment	75.9 km
Basin Length	19935.0 m
Form factor	0.49793
Circularity ratio	0.43148
Elongation ratio	0.79596
Highest Stream order	6
Max elevation	664.0 m
Min elevation	81.0 m
Mean bifurcation ratio	2.4429
Stream frequency	84.6750 per km <sup>2</sup>
Relief	583.00 m
Drainage density	12.6040 km/km <sup>2</sup>
Length of overland flow	39.670 m

## CATCHMENT CLIMATOLOGY

