

## Satiguda (Mal) Dam

Location	18.3642° N, 81.9431° E
State	Odisha
Nearest City	Malkangiri
Year of Completion	1985
Operated and Maintained by	Odisha Water Resources Department
River Basin	Godavari
River	Satiguda Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	36.8 m
Dam length	1707.0 m
Reservoir Area	11470000.0 m <sup>2</sup>
Gross storage capacity	76000000.0 m <sup>3</sup>
Effective storage capacity	68510000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	123.5 km <sup>2</sup>
Perimeter of catchment	61.2 km
Basin Length	11403.0 m
Form factor	0.94993
Circularity ratio	0.41422
Elongation ratio	1.09940
Highest Stream order	6
Max elevation	685.0 m
Min elevation	177.0 m
Mean bifurcation ratio	3.0632
Stream frequency	78.7900 per km <sup>2</sup>
Relief	508.00 m
Drainage density	11.2190 km/km <sup>2</sup>
Length of overland flow	44.569 m

## CATCHMENT CLIMATOLOGY

