

## Soroda Dam

Location	19.7500° N, 84.4333° E
State	Odisha
Nearest City	Ghumurar
Year of Completion	1896
Operated and Maintained by	Odisha Water Resources Department
River Basin	North East Coast
River	Padma
Dam Type	Earthfill Embankment
Height above lowest foundation level	17.9 m
Dam length	326.0 m
Reservoir Area	9100000.0 m <sup>2</sup>
Gross storage capacity	49750000.0 m <sup>3</sup>
Effective storage capacity	49750000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	664.7 km <sup>2</sup>
Perimeter of catchment	148.6 km
Basin Length	39059.0 m
Form factor	0.43565
Circularity ratio	0.37859
Elongation ratio	0.74453
Highest Stream order	8
Max elevation	1133.0 m
Min elevation	79.0 m
Mean bifurcation ratio	3.5108
Stream frequency	84.0360 per km <sup>2</sup>
Relief	1054.00 m
Drainage density	12.3820 km/km <sup>2</sup>
Length of overland flow	40.380 m

## CATCHMENT CLIMATOLOGY

