

## Surajwadi Dam

Location	21.1989° N, 71.3697° E
State	Gujarat
Nearest City	Savarkundla
Year of Completion	1954
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Surajwadi
Dam Type	Other
Height above lowest foundation level	21.0 m
Dam length	1823.0 m
Reservoir Area	2350000.0 m <sup>2</sup>
Gross storage capacity	9800000.0 m <sup>3</sup>
Effective storage capacity	6360000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	113.0 km <sup>2</sup>
Perimeter of catchment	60.7 km
Basin Length	17463.0 m
Form factor	0.37051
Circularity ratio	0.38561
Elongation ratio	0.68661
Highest Stream order	6
Max elevation	354.0 m
Min elevation	116.0 m
Mean bifurcation ratio	2.3322
Stream frequency	68.1460 per km <sup>2</sup>
Relief	238.00 m
Drainage density	8.8460 km/km <sup>2</sup>
Length of overland flow	56.523 m

## CATCHMENT CLIMATOLOGY

