

## Angia Nawa Dam

Location	23.3189° N, 69.2731° E
State	Gujarat
Nearest City	Nakhatrana
Year of Completion	1976
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Bhukhi Nadi
Dam Type	Earthfill Embankment
Height above lowest foundation level	10.5 m
Dam length	416.0 m
Reservoir Area	79344.0 m <sup>2</sup>
Gross storage capacity	1116000.0 m <sup>3</sup>
Effective storage capacity	996000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	17.2 km <sup>2</sup>
Perimeter of catchment	19.5 km
Basin Length	5757.3 m
Form factor	0.51803
Circularity ratio	0.57057
Elongation ratio	0.81187
Highest Stream order	5
Max elevation	243.0 m
Min elevation	133.0 m
Mean bifurcation ratio	2.6706
Stream frequency	81.8810 per km <sup>2</sup>
Relief	110.00 m
Drainage density	11.1060 km/km <sup>2</sup>
Length of overland flow	45.021 m

## CATCHMENT CLIMATOLOGY

