

## Sagatala Dam

Location	22.5631° N, 73.9117° E
State	Gujarat
Nearest City	D.Baria
Year of Completion	1990
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Narmada
River	Wal
Dam Type	Earthfill Embankment
Height above lowest foundation level	33.5 m
Dam length	461.0 m
Reservoir Area	580000.0 m <sup>2</sup>
Gross storage capacity	3189000.0 m <sup>3</sup>
Effective storage capacity	2695000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	11.5 km <sup>2</sup>
Perimeter of catchment	16.7 km
Basin Length	5190.6 m
Form factor	0.42666
Circularity ratio	0.51841
Elongation ratio	0.73680
Highest Stream order	4
Max elevation	419.0 m
Min elevation	239.0 m
Mean bifurcation ratio	2.3977
Stream frequency	81.6850 per km <sup>2</sup>
Relief	180.00 m
Drainage density	11.1590 km/km <sup>2</sup>
Length of overland flow	44.808 m

## CATCHMENT CLIMATOLOGY

