

## Suvag Dam

Location	22.2742° N, 70.6414° E
State	Gujarat
Nearest City	Padadhari
Year of Completion	1981
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Taji
Dam Type	Earthfill Embankment
Height above lowest foundation level	15.9 m
Dam length	790.0 m
Reservoir Area	1350000.0 m <sup>2</sup>
Gross storage capacity	3610000.0 m <sup>3</sup>
Effective storage capacity	3110000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	66.2 km <sup>2</sup>
Perimeter of catchment	42.4 km
Basin Length	14777.0 m
Form factor	0.30318
Circularity ratio	0.46188
Elongation ratio	0.62109
Highest Stream order	6
Max elevation	183.0 m
Min elevation	99.0 m
Mean bifurcation ratio	2.5614
Stream frequency	69.1490 per km <sup>2</sup>
Relief	84.00 m
Drainage density	8.8800 km/km <sup>2</sup>
Length of overland flow	56.305 m

## CATCHMENT CLIMATOLOGY

