

## Nayka(W- Bhogavo I) Dam

Location	22.6728° N, 71.4750° E
State	Gujarat
Nearest City	Muli
Year of Completion	1961
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Bhogavo
Dam Type	Other
Height above lowest foundation level	15.0 m
Dam length	2012.0 m
Reservoir Area	5506000.0 m <sup>2</sup>
Gross storage capacity	18000000.0 m <sup>3</sup>
Effective storage capacity	13000000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	417.3 km <sup>2</sup>
Perimeter of catchment	127.4 km
Basin Length	49268.0 m
Form factor	0.17191
Circularity ratio	0.32320
Elongation ratio	0.46770
Highest Stream order	7
Max elevation	309.0 m
Min elevation	89.0 m
Mean bifurcation ratio	2.4237
Stream frequency	73.1640 per km <sup>2</sup>
Relief	220.00 m
Drainage density	9.6760 km/km <sup>2</sup>
Length of overland flow	51.677 m

## CATCHMENT CLIMATOLOGY

