

## Nanamatra Dam

Location	22.3014° N, 71.3647° E
State	Gujarat
Nearest City	Sayala
Year of Completion	1974
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Triveni
Dam Type	Earthfill Embankment
Height above lowest foundation level	17.0 m
Dam length	616.0 m
Reservoir Area	665345.0 m <sup>2</sup>
Gross storage capacity	3190000.0 m <sup>3</sup>
Effective storage capacity	2236000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	35.1 km <sup>2</sup>
Perimeter of catchment	30.1 km
Basin Length	9585.6 m
Form factor	0.38150
Circularity ratio	0.48632
Elongation ratio	0.69672
Highest Stream order	6
Max elevation	210.0 m
Min elevation	143.0 m
Mean bifurcation ratio	7.6722
Stream frequency	75.2560 per km <sup>2</sup>
Relief	67.00 m
Drainage density	10.0870 km/km <sup>2</sup>
Length of overland flow	49.568 m

## CATCHMENT CLIMATOLOGY

