

## Bamathiya-2 Dam

Location	22.0372° N, 70.0533° E
State	Gujarat
Nearest City	Jamjodhpur
Year of Completion	1975
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Local Voklo
Dam Type	Earthfill Embankment
Height above lowest foundation level	13.9 m
Dam length	77.0 m
Reservoir Area	257735.0 m <sup>2</sup>
Gross storage capacity	1180000.0 m <sup>3</sup>
Effective storage capacity	1110000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	5.6 km <sup>2</sup>
Perimeter of catchment	10.5 km
Basin Length	3723.3 m
Form factor	0.40518
Circularity ratio	0.64374
Elongation ratio	0.71802
Highest Stream order	5
Max elevation	205.0 m
Min elevation	144.0 m
Mean bifurcation ratio	2.2487
Stream frequency	81.5400 per km <sup>2</sup>
Relief	61.00 m
Drainage density	10.5620 km/km <sup>2</sup>
Length of overland flow	47.338 m

## CATCHMENT CLIMATOLOGY

