

## Veardi 1 Dam

Location	21.9567° N, 69.8742° E
State	Gujarat
Nearest City	Bhanvad
Year of Completion	2001
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Bhadthari
Dam Type	Other
Height above lowest foundation level	13.8 m
Dam length	2060.0 m
Reservoir Area	2960000.0 m <sup>2</sup>
Gross storage capacity	6418000.0 m <sup>3</sup>
Effective storage capacity	6305000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	29.3 km <sup>2</sup>
Perimeter of catchment	30.7 km
Basin Length	12586.0 m
Form factor	0.18495
Circularity ratio	0.39098
Elongation ratio	0.48511
Highest Stream order	5
Max elevation	222.0 m
Min elevation	81.0 m
Mean bifurcation ratio	2.1172
Stream frequency	73.3100 per km <sup>2</sup>
Relief	141.00 m
Drainage density	9.7010 km/km <sup>2</sup>
Length of overland flow	51.540 m

## CATCHMENT CLIMATOLOGY

