

## Vedmati Dam

<b>Location</b>	22.2078° N, 69.4136° E
<b>State</b>	Gujarat
<b>Nearest City</b>	Khambhalia
<b>Year of Completion</b>	1952
<b>Operated and Maintained by</b>	Gujarat Engineering Research Institute
<b>River Basin</b>	Sabarmati
<b>River</b>	Local Voklo
<b>Dam Type</b>	Earthfill Embankment
<b>Height above lowest foundation level</b>	26.9 m
<b>Dam length</b>	121.0 m
<b>Reservoir Area</b>	1125361.0 m <sup>2</sup>
<b>Gross storage capacity</b>	3380000.0 m <sup>3</sup>
<b>Effective storage capacity</b>	3240000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

<b>Catchment Properties</b>	<b>Values</b>
<b>Area of catchment</b>	20.4 km <sup>2</sup>
<b>Perimeter of catchment</b>	19.3 km
<b>Basin Length</b>	5749.5 m
<b>Form factor</b>	0.61595
<b>Circularity ratio</b>	0.68996
<b>Elongation ratio</b>	0.88528
<b>Highest Stream order</b>	6
<b>Max elevation</b>	51.0 m
<b>Min elevation</b>	27.0 m
<b>Mean bifurcation ratio</b>	2.1761
<b>Stream frequency</b>	69.6430 per km <sup>2</sup>
<b>Relief</b>	24.00 m
<b>Drainage density</b>	8.7530 km/km <sup>2</sup>
<b>Length of overland flow</b>	57.124 m

## CATCHMENT CLIMATOLOGY

