

## Savdi Dam

<b>Location</b>	22.5811° N, 70.6700° E
<b>State</b>	Gujarat
<b>Nearest City</b>	Morbi
<b>Year of Completion</b>	1976
<b>Operated and Maintained by</b>	Gujarat Engineering Research Institute
<b>River Basin</b>	Sabarmati
<b>River</b>	T-Demi
<b>Dam Type</b>	Earthfill Embankment
<b>Height above lowest foundation level</b>	13.0 m
<b>Dam length</b>	13.0 m
<b>Reservoir Area</b>	408765.0 m <sup>2</sup>
<b>Gross storage capacity</b>	1730000.0 m <sup>3</sup>
<b>Effective storage capacity</b>	1360000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
<b>Area of catchment</b>	34.3 km <sup>2</sup>
<b>Perimeter of catchment</b>	24.7 km
<b>Basin Length</b>	9109.1 m
<b>Form factor</b>	0.41342
<b>Circularity ratio</b>	0.70927
<b>Elongation ratio</b>	0.72528
<b>Highest Stream order</b>	6
<b>Max elevation</b>	105.0 m
<b>Min elevation</b>	54.0 m
<b>Mean bifurcation ratio</b>	2.3114
<b>Stream frequency</b>	67.9520 per km <sup>2</sup>
<b>Relief</b>	51.00 m
<b>Drainage density</b>	8.5490 km/km <sup>2</sup>
<b>Length of overland flow</b>	58.488 m

## CATCHMENT CLIMATOLOGY

