

## Kadoli Dam

<b>Location</b>	23.0681° N, 68.8289° E
<b>State</b>	Gujarat
<b>Nearest City</b>	Abdasa
<b>Year of Completion</b>	1951
<b>Operated and Maintained by</b>	Gujarat Engineering Research Institute
<b>River Basin</b>	Sabarmati
<b>River</b>	Local River
<b>Dam Type</b>	Earthfill Embankment
<b>Height above lowest foundation level</b>	14.0 m
<b>Dam length</b>	615.0 m
<b>Reservoir Area</b>	99860.0 m <sup>2</sup>
<b>Gross storage capacity</b>	4860000.0 m <sup>3</sup>
<b>Effective storage capacity</b>	4860000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
<b>Area of catchment</b>	2.0 km <sup>2</sup>
<b>Perimeter of catchment</b>	7.2 km
<b>Basin Length</b>	2791.5 m
<b>Form factor</b>	0.25882
<b>Circularity ratio</b>	0.48793
<b>Elongation ratio</b>	0.57386
<b>Highest Stream order</b>	4
<b>Max elevation</b>	19.0 m
<b>Min elevation</b>	1.0 m
<b>Mean bifurcation ratio</b>	2.3511
<b>Stream frequency</b>	70.9060 per km <sup>2</sup>
<b>Relief</b>	18.00 m
<b>Drainage density</b>	8.7220 km/km <sup>2</sup>
<b>Length of overland flow</b>	57.328 m

## CATCHMENT CLIMATOLOGY

