

## Vardhari Dam

<b>Location</b>	23.0994° N, 73.4508° E
<b>State</b>	Gujarat
<b>Nearest City</b>	Lunawada
<b>Year of Completion</b>	1956
<b>Operated and Maintained by</b>	Gujarat Engineering Research Institute
<b>River Basin</b>	Mahi
<b>River</b>	Shedhi
<b>Dam Type</b>	Earthfill Embankment
<b>Height above lowest foundation level</b>	15.9 m
<b>Dam length</b>	381.0 m
<b>Reservoir Area</b>	336000.0 m <sup>2</sup>
<b>Gross storage capacity</b>	5810000.0 m <sup>3</sup>
<b>Effective storage capacity</b>	5810000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
<b>Area of catchment</b>	59.4 km <sup>2</sup>
<b>Perimeter of catchment</b>	36.4 km
<b>Basin Length</b>	11952.0 m
<b>Form factor</b>	0.41555
<b>Circularity ratio</b>	0.56457
<b>Elongation ratio</b>	0.72714
<b>Highest Stream order</b>	6
<b>Max elevation</b>	176.0 m
<b>Min elevation</b>	92.0 m
<b>Mean bifurcation ratio</b>	3.1030
<b>Stream frequency</b>	73.3310 per km <sup>2</sup>
<b>Relief</b>	84.00 m
<b>Drainage density</b>	9.7130 km/km <sup>2</sup>
<b>Length of overland flow</b>	51.480 m

## CATCHMENT CLIMATOLOGY

