

## Phot Dam

<b>Location</b>	23.0111° N, 69.6131° E
<b>State</b>	Gujarat
<b>Nearest City</b>	Mundra
<b>Year of Completion</b>	1961
<b>Operated and Maintained by</b>	Gujarat Engineering Research Institute
<b>River Basin</b>	Sabarmati
<b>River</b>	Phot
<b>Dam Type</b>	Earthfill Embankment
<b>Height above lowest foundation level</b>	14.1 m
<b>Dam length</b>	1421.0 m
<b>Reservoir Area</b>	797000.0 m <sup>2</sup>
<b>Gross storage capacity</b>	2303000.0 m <sup>3</sup>
<b>Effective storage capacity</b>	2020000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
<b>Area of catchment</b>	58.3 km <sup>2</sup>
<b>Perimeter of catchment</b>	35.9 km
<b>Basin Length</b>	11417.0 m
<b>Form factor</b>	0.44711
<b>Circularity ratio</b>	0.56804
<b>Elongation ratio</b>	0.75425
<b>Highest Stream order</b>	6
<b>Max elevation</b>	231.0 m
<b>Min elevation</b>	69.0 m
<b>Mean bifurcation ratio</b>	2.5011
<b>Stream frequency</b>	77.6210 per km <sup>2</sup>
<b>Relief</b>	162.00 m
<b>Drainage density</b>	10.6340 km/km <sup>2</sup>
<b>Length of overland flow</b>	47.020 m

## CATCHMENT CLIMATOLOGY

