

## Pipardi Dam

Location	21.7081° N, 71.7064° E
State	Gujarat
Nearest City	Sihor
Year of Completion	1987
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Garduli
Dam Type	Earthfill Embankment
Height above lowest foundation level	17.0 m
Dam length	1167.0 m
Reservoir Area	180383.0 m <sup>2</sup>
Gross storage capacity	2120000.0 m <sup>3</sup>
Effective storage capacity	1890000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	16.5 km <sup>2</sup>
Perimeter of catchment	21.7 km
Basin Length	8756.3 m
Form factor	0.21577
Circularity ratio	0.44260
Elongation ratio	0.52397
Highest Stream order	5
Max elevation	110.0 m
Min elevation	62.0 m
Mean bifurcation ratio	2.0284
Stream frequency	74.5890 per km <sup>2</sup>
Relief	48.00 m
Drainage density	9.6310 km/km <sup>2</sup>
Length of overland flow	51.914 m

## CATCHMENT CLIMATOLOGY

