

## Dharoi Dam

Location	24.0044° N, 72.8536° E
State	Gujarat
Nearest City	Satlasana
Year of Completion	1978
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Sabarmati.
Dam Type	Composite Masonry and Earth fill
Height above lowest foundation level	45.9 m
Dam length	1207.0 m
Reservoir Area	107000000.0 m <sup>2</sup>
Gross storage capacity	907880000.0 m <sup>3</sup>
Effective storage capacity	131990000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	5265.1 km <sup>2</sup>
Perimeter of catchment	475.6 km
Basin Length	125980.0 m
Form factor	0.33176
Circularity ratio	0.29263
Elongation ratio	0.64971
Highest Stream order	9
Max elevation	1149.0 m
Min elevation	143.0 m
Mean bifurcation ratio	5.9191
Stream frequency	79.3050 per km <sup>2</sup>
Relief	1006.00 m
Drainage density	10.9460 km/km <sup>2</sup>
Length of overland flow	45.679 m

## CATCHMENT CLIMATOLOGY

