

Hathasani Dam

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| Location | 22.1275° N, 71.3886° E |
| State | Gujarat |
| Nearest City | Jasdan |
| Year of Completion | 1981 |
| Operated and Maintained by | Gujarat Engineering Research Institute |
| River Basin | Sabarmati |
| River | T-Sukhbhadar |
| Dam Type | Earthfill Embankment |
| Height above lowest foundation level | 20.0 m |
| Dam length | 220.0 m |
| Reservoir Area | 357687.0 m ² |
| Gross storage capacity | 1700000.0 m ³ |
| Effective storage capacity | 1560000.0 m ³ |

CATCHMENT CHARACTERISTICS

| Catchment Properties | Values |
|-------------------------|-----------------------------|
| Area of catchment | 13.2 km ² |
| Perimeter of catchment | 16.3 km |
| Basin Length | 5255.8 m |
| Form factor | 0.47856 |
| Circularity ratio | 0.62324 |
| Elongation ratio | 0.78033 |
| Highest Stream order | 6 |
| Max elevation | 254.0 m |
| Min elevation | 177.0 m |
| Mean bifurcation ratio | 5.3191 |
| Stream frequency | 80.8650 per km ² |
| Relief | 77.00 m |
| Drainage density | 10.9740 km/km ² |
| Length of overland flow | 45.562 m |

CATCHMENT CLIMATOLOGY

