

Godechi Dam

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| Location | 22.3031° N, 71.2942° E |
| State | Gujarat |
| Nearest City | Chotila |
| Year of Completion | 1976 |
| Operated and Maintained by | Gujarat Engineering Research Institute |
| River Basin | Sabarmati |
| River | T-Sukhbhadar |
| Dam Type | Earthfill Embankment |
| Height above lowest foundation level | 14.0 m |
| Dam length | 685.0 m |
| Reservoir Area | 999991.0 m ² |
| Gross storage capacity | 1909000.0 m ³ |
| Effective storage capacity | 1660000.0 m ³ |

CATCHMENT CHARACTERISTICS

| Catchment Properties | Values |
|-------------------------|-----------------------------|
| Area of catchment | 23.2 km ² |
| Perimeter of catchment | 22.5 km |
| Basin Length | 7737.5 m |
| Form factor | 0.38828 |
| Circularity ratio | 0.57620 |
| Elongation ratio | 0.70288 |
| Highest Stream order | 6 |
| Max elevation | 225.0 m |
| Min elevation | 177.0 m |
| Mean bifurcation ratio | 2.4581 |
| Stream frequency | 74.5070 per km ² |
| Relief | 48.00 m |
| Drainage density | 9.9420 km/km ² |
| Length of overland flow | 50.294 m |

CATCHMENT CLIMATOLOGY

