

Valavad Dam

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| Location | 21.7106° N, 71.9228° E |
| State | Gujarat |
| Nearest City | Sihor |
| Year of Completion | 1944 |
| Operated and Maintained by | Gujarat Engineering Research Institute |
| River Basin | Sabarmati |
| River | Local Stream |
| Dam Type | Earthfill Embankment |
| Height above lowest foundation level | 13.0 m |
| Dam length | 526.0 m |
| Reservoir Area | 567955.0 m ² |
| Gross storage capacity | 3680000.0 m ³ |
| Effective storage capacity | 3290000.0 m ³ |

CATCHMENT CHARACTERISTICS

| Catchment Properties | Values |
|-------------------------|-----------------------------|
| Area of catchment | 38.0 km ² |
| Perimeter of catchment | 33.3 km |
| Basin Length | 12109.0 m |
| Form factor | 0.25934 |
| Circularity ratio | 0.43111 |
| Elongation ratio | 0.57443 |
| Highest Stream order | 5 |
| Max elevation | 165.0 m |
| Min elevation | 39.0 m |
| Mean bifurcation ratio | 2.1519 |
| Stream frequency | 73.5000 per km ² |
| Relief | 126.00 m |
| Drainage density | 9.5530 km/km ² |
| Length of overland flow | 52.338 m |

CATCHMENT CLIMATOLOGY

