

Ambani Khodiar Dam

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| Location | 21.3217° N, 71.2775° E |
| State | Gujarat |
| Nearest City | S.Kundala |
| Year of Completion | 1986 |
| Operated and Maintained by | Gujarat Engineering Research Institute |
| River Basin | Sabarmati |
| River | Khodiyar Nahera |
| Dam Type | Earthfill Embankment |
| Height above lowest foundation level | 11.8 m |
| Dam length | 1326.0 m |
| Reservoir Area | 270000.0 m ² |
| Gross storage capacity | 1065420.0 m ³ |
| Effective storage capacity | 918400.0 m ³ |

CATCHMENT CHARACTERISTICS

| Catchment Properties | Values |
|-------------------------|-----------------------------|
| Area of catchment | 14.0 km ² |
| Perimeter of catchment | 15.9 km |
| Basin Length | 5693.8 m |
| Form factor | 0.43059 |
| Circularity ratio | 0.69400 |
| Elongation ratio | 0.74019 |
| Highest Stream order | 5 |
| Max elevation | 225.0 m |
| Min elevation | 147.0 m |
| Mean bifurcation ratio | 2.8008 |
| Stream frequency | 73.0700 per km ² |
| Relief | 78.00 m |
| Drainage density | 9.3690 km/km ² |
| Length of overland flow | 53.369 m |

CATCHMENT CLIMATOLOGY

