

Karad Dam

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| Location | 22.5603° N, 73.6958° E |
| State | Gujarat |
| Nearest City | Devgarh Bariya |
| Year of Completion | 1958 |
| Operated and Maintained by | Gujarat Engineering Research Institute |
| River Basin | Mahi |
| River | Karad |
| Dam Type | Earthfill Embankment |
| Height above lowest foundation level | 29.7 m |
| Dam length | 1019.6 m |
| Reservoir Area | 8740000.0 m ² |
| Gross storage capacity | 42450000.0 m ³ |
| Effective storage capacity | 40060000.0 m ³ |

CATCHMENT CHARACTERISTICS

| Catchment Properties | Values |
|-------------------------|-----------------------------|
| Area of catchment | 135.0 km ² |
| Perimeter of catchment | 72.3 km |
| Basin Length | 14632.0 m |
| Form factor | 0.63032 |
| Circularity ratio | 0.32411 |
| Elongation ratio | 0.89555 |
| Highest Stream order | 7 |
| Max elevation | 327.0 m |
| Min elevation | 115.0 m |
| Mean bifurcation ratio | 2.6178 |
| Stream frequency | 74.3340 per km ² |
| Relief | 212.00 m |
| Drainage density | 9.8790 km/km ² |
| Length of overland flow | 50.615 m |

CATCHMENT CLIMATOLOGY

