

Fulzar I Dam

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| Location | 22.2419° N, 70.2747° E |
| State | Gujarat |
| Nearest City | Kalavad |
| Year of Completion | 1961 |
| Operated and Maintained by | Gujarat Engineering Research Institute |
| River Basin | Sabarmati |
| River | Fulzar |
| Dam Type | Other |
| Height above lowest foundation level | 21.0 m |
| Dam length | 3106.0 m |
| Reservoir Area | 4000000.0 m ² |
| Gross storage capacity | 14900000.0 m ³ |
| Effective storage capacity | 14000000.0 m ³ |

CATCHMENT CHARACTERISTICS

| Catchment Properties | Values |
|-------------------------|-----------------------------|
| Area of catchment | 148.5 km ² |
| Perimeter of catchment | 61.4 km |
| Basin Length | 19856.0 m |
| Form factor | 0.37674 |
| Circularity ratio | 0.49584 |
| Elongation ratio | 0.69235 |
| Highest Stream order | 6 |
| Max elevation | 236.0 m |
| Min elevation | 90.0 m |
| Mean bifurcation ratio | 2.2099 |
| Stream frequency | 75.2460 per km ² |
| Relief | 146.00 m |
| Drainage density | 10.1890 km/km ² |
| Length of overland flow | 49.073 m |

CATCHMENT CLIMATOLOGY

