

Amalwant Dam

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| Location | 22.0828° N, 74.0242° E |
| State | Gujarat |
| Nearest City | Chhotaudepur |
| Year of Completion | 1982 |
| Operated and Maintained by | Gujarat Engineering Research Institute |
| River Basin | Narmada |
| River | T- Narmada |
| Dam Type | Earthfill Embankment |
| Height above lowest foundation level | 17.7 m |
| Dam length | 387.0 m |
| Reservoir Area | 400000.0 m ² |
| Gross storage capacity | 1677000.0 m ³ |
| Effective storage capacity | 1430000.0 m ³ |

CATCHMENT CHARACTERISTICS

| Catchment Properties | Values |
|-------------------------|-----------------------------|
| Area of catchment | 14.2 km ² |
| Perimeter of catchment | 17.5 km |
| Basin Length | 5655.1 m |
| Form factor | 0.44278 |
| Circularity ratio | 0.58035 |
| Elongation ratio | 0.75059 |
| Highest Stream order | 5 |
| Max elevation | 398.0 m |
| Min elevation | 181.0 m |
| Mean bifurcation ratio | 2.3285 |
| Stream frequency | 77.8940 per km ² |
| Relief | 217.00 m |
| Drainage density | 10.5200 km/km ² |
| Length of overland flow | 47.529 m |

CATCHMENT CLIMATOLOGY

