

Facharia Dam

| | |
|---|--|
| Location | 23.0031° N, 69.7639° E |
| State | Gujarat |
| Nearest City | Mundra |
| Year of Completion | 1967 |
| Operated and Maintained by | Gujarat Engineering Research Institute |
| River Basin | Sabarmati |
| River | Local Stream |
| Dam Type | Earthfill Embankment |
| Height above lowest foundation level | 10.8 m |
| Dam length | 628.0 m |
| Reservoir Area | 127000.0 m ² |
| Gross storage capacity | 470000.0 m ³ |
| Effective storage capacity | 320000.0 m ³ |

CATCHMENT CHARACTERISTICS

| Catchment Properties | Values |
|--------------------------------|-----------------------------|
| Area of catchment | 6.7 km ² |
| Perimeter of catchment | 10.9 km |
| Basin Length | 3645.6 m |
| Form factor | 0.50743 |
| Circularity ratio | 0.71422 |
| Elongation ratio | 0.80352 |
| Highest Stream order | 4 |
| Max elevation | 114.0 m |
| Min elevation | 64.0 m |
| Mean bifurcation ratio | 2.6556 |
| Stream frequency | 78.7390 per km ² |
| Relief | 50.00 m |
| Drainage density | 10.2390 km/km ² |
| Length of overland flow | 48.832 m |

CATCHMENT CLIMATOLOGY

