

## Lakhanka Dam

|                                      |  |
|--------------------------------------|--|
| Location                             | 21.6978° N, 72.1358° E                 |
| State                                | Gujarat                                |
| Nearest City                         | Ghogha                                 |
| Year of Completion                   | 1984                                   |
| Operated and Maintained by           | Gujarat Engineering Research Institute |
| River Basin                          | Sabarmati                              |
| River                                | Maleshri                               |
| Dam Type                             | Earthfill Embankment                   |
| Height above lowest foundation level | 19.8 m                                 |
| Dam length                           | 1800.0 m                               |
| Reservoir Area                       | 1550000.0 m <sup>2</sup>               |
| Gross storage capacity               | 4250000.0 m <sup>3</sup>               |
| Effective storage capacity           | 4250000.0 m <sup>3</sup>               |

## CATCHMENT CHARACTERISTICS

| Catchment Properties    | Values                      |
|-------------------------|-----------------------------|
| Area of catchment       | 49.6 km <sup>2</sup>        |
| Perimeter of catchment  | 31.2 km                     |
| Basin Length            | 11551.0 m                   |
| Form factor             | 0.37147                     |
| Circularity ratio       | 0.63829                     |
| Elongation ratio        | 0.68750                     |
| Highest Stream order    | 6                           |
| Max elevation           | 270.0 m                     |
| Min elevation           | 35.0 m                      |
| Mean bifurcation ratio  | 2.2453                      |
| Stream frequency        | 72.6200 per km <sup>2</sup> |
| Relief                  | 235.00 m                    |
| Drainage density        | 9.6100 km/km <sup>2</sup>   |
| Length of overland flow | 52.027 m                    |

## CATCHMENT CLIMATOLOGY

Data not available.