

## Bhilavale Dam

|                                      |  |
|--------------------------------------|--|
| Location                             | 18.8994° N, 73.2739° E                 |
| State                                | Maharashtra                            |
| Nearest City                         | Khalapur                               |
| Year of Completion                   | 1974                                   |
| Operated and Maintained by           | Maharashtra Water Resources Department |
| River Basin                          | West Coast                             |
| River                                | Local Nala                             |
| Dam Type                             | Earthfill Embankment                   |
| Height above lowest foundation level | 20.0 m                                 |
| Dam length                           | 485.0 m                                |
| Reservoir Area                       | 500000.0 m <sup>2</sup>                |
| Gross storage capacity               | 2150000.0 m <sup>3</sup>               |
| Effective storage capacity           | 2100000.0 m <sup>3</sup>               |

## CATCHMENT CHARACTERISTICS

| Catchment Properties    | Values                      |
|-------------------------|-----------------------------|
| Area of catchment       | 17.9 km <sup>2</sup>        |
| Perimeter of catchment  | 19.2 km                     |
| Basin Length            | 6625.0 m                    |
| Form factor             | 0.40735                     |
| Circularity ratio       | 0.60930                     |
| Elongation ratio        | 0.71994                     |
| Highest Stream order    | 5                           |
| Max elevation           | 548.0 m                     |
| Min elevation           | 44.0 m                      |
| Mean bifurcation ratio  | 2.4102                      |
| Stream frequency        | 79.3670 per km <sup>2</sup> |
| Relief                  | 504.00 m                    |
| Drainage density        | 11.3340 km/km <sup>2</sup>  |
| Length of overland flow | 44.114 m                    |

## CATCHMENT CLIMATOLOGY

