

## Naigaon Dam

|                                      |  |
|--------------------------------------|--|
| Location                             | 18.7003° N, 75.4467° E                 |
| State                                | Maharashtra                            |
| Nearest City                         | Jamkhed                                |
| Year of Completion                   | 1978                                   |
| Operated and Maintained by           | Maharashtra Water Resources Department |
| River Basin                          | Krishna                                |
| River                                | Khar                                   |
| Dam Type                             | Earthfill Embankment                   |
| Height above lowest foundation level | 16.0 m                                 |
| Dam length                           | 668.0 m                                |
| Reservoir Area                       | 576000.0 m <sup>2</sup>                |
| Gross storage capacity               | 2372000.0 m <sup>3</sup>               |
| Effective storage capacity           | 1898000.0 m <sup>3</sup>               |

## CATCHMENT CHARACTERISTICS

| Catchment Properties    | Values                      |
|-------------------------|-----------------------------|
| Area of catchment       | 50.1 km <sup>2</sup>        |
| Perimeter of catchment  | 31.4 km                     |
| Basin Length            | 8399.8 m                    |
| Form factor             | 0.70950                     |
| Circularity ratio       | 0.63738                     |
| Elongation ratio        | 0.95014                     |
| Highest Stream order    | 6                           |
| Max elevation           | 783.0 m                     |
| Min elevation           | 592.0 m                     |
| Mean bifurcation ratio  | 3.2053                      |
| Stream frequency        | 77.0680 per km <sup>2</sup> |
| Relief                  | 191.00 m                    |
| Drainage density        | 10.8060 km/km <sup>2</sup>  |
| Length of overland flow | 46.269 m                    |

## CATCHMENT CLIMATOLOGY

