

## Waki Dam

|                                      |  |
|--------------------------------------|--|
| Location                             | 19.7561° N, 73.5889° E                 |
| State                                | Maharashtra                            |
| Nearest City                         | Akole                                  |
| Year of Completion                   | 2012                                   |
| Operated and Maintained by           | Maharashtra Water Resources Department |
| River Basin                          | West Coast                             |
| River                                | Waki                                   |
| Dam Type                             | Earthfill Embankment                   |
| Height above lowest foundation level | 34.8 m                                 |
| Dam length                           | 1081.0 m                               |
| Reservoir Area                       | 180000.0 m <sup>2</sup>                |
| Gross storage capacity               | 3190000.0 m <sup>3</sup>               |
| Effective storage capacity           | 2803000.0 m <sup>3</sup>               |

## CATCHMENT CHARACTERISTICS

| Catchment Properties    | Values                      |
|-------------------------|-----------------------------|
| Area of catchment       | 31.0 km <sup>2</sup>        |
| Perimeter of catchment  | 23.5 km                     |
| Basin Length            | 7828.6 m                    |
| Form factor             | 0.50525                     |
| Circularity ratio       | 0.70501                     |
| Elongation ratio        | 0.80179                     |
| Highest Stream order    | 5                           |
| Max elevation           | 900.0 m                     |
| Min elevation           | 590.0 m                     |
| Mean bifurcation ratio  | 2.4173                      |
| Stream frequency        | 78.7660 per km <sup>2</sup> |
| Relief                  | 310.00 m                    |
| Drainage density        | 11.0610 km/km <sup>2</sup>  |
| Length of overland flow | 45.202 m                    |

## CATCHMENT CLIMATOLOGY

