

## Adale Dam

|                                      |  |
|--------------------------------------|--|
| Location                             | 18.6564° N, 73.6258° E                 |
| State                                | Maharashtra                            |
| Nearest City                         | Maval                                  |
| Year of Completion                   | 1985                                   |
| Operated and Maintained by           | Maharashtra Water Resources Department |
| River Basin                          | Krishna                                |
| River                                | Adale Nalla                            |
| Dam Type                             | Earthfill Embankment                   |
| Height above lowest foundation level | 19.2 m                                 |
| Dam length                           | 365.0 m                                |
| Reservoir Area                       | 263000.0 m <sup>2</sup>                |
| Gross storage capacity               | 1274000.0 m <sup>3</sup>               |
| Effective storage capacity           | 970000.0 m <sup>3</sup>                |

## CATCHMENT CHARACTERISTICS

| Catchment Properties    | Values                      |
|-------------------------|-----------------------------|
| Area of catchment       | 22.5 km <sup>2</sup>        |
| Perimeter of catchment  | 22.3 km                     |
| Basin Length            | 7362.0 m                    |
| Form factor             | 0.41589                     |
| Circularity ratio       | 0.56953                     |
| Elongation ratio        | 0.72744                     |
| Highest Stream order    | 5                           |
| Max elevation           | 913.0 m                     |
| Min elevation           | 596.0 m                     |
| Mean bifurcation ratio  | 2.4669                      |
| Stream frequency        | 85.5330 per km <sup>2</sup> |
| Relief                  | 317.00 m                    |
| Drainage density        | 12.6520 km/km <sup>2</sup>  |
| Length of overland flow | 39.520 m                    |

## CATCHMENT CLIMATOLOGY

