

## Dongarshewali Dam

|                                      |  |
|--------------------------------------|--|
| Location                             | 20.4692° N, 76.3339° E                 |
| State                                | Maharashtra                            |
| Nearest City                         | Chikhali                               |
| Year of Completion                   | 2010                                   |
| Operated and Maintained by           | Maharashtra Water Resources Department |
| River Basin                          | Tapi                                   |
| River                                | Local Nalla                            |
| Dam Type                             | Earthfill Embankment                   |
| Height above lowest foundation level | 30.9 m                                 |
| Dam length                           | 308.0 m                                |
| Reservoir Area                       | 228000.0 m <sup>2</sup>                |
| Gross storage capacity               | 2355000.0 m <sup>3</sup>               |
| Effective storage capacity           | 2175000.0 m <sup>3</sup>               |

## CATCHMENT CHARACTERISTICS

| Catchment Properties    | Values                      |
|-------------------------|-----------------------------|
| Area of catchment       | 22.5 km <sup>2</sup>        |
| Perimeter of catchment  | 19.1 km                     |
| Basin Length            | 5048.3 m                    |
| Form factor             | 0.88141                     |
| Circularity ratio       | 0.77336                     |
| Elongation ratio        | 1.05900                     |
| Highest Stream order    | 6                           |
| Max elevation           | 626.0 m                     |
| Min elevation           | 540.0 m                     |
| Mean bifurcation ratio  | 4.6430                      |
| Stream frequency        | 72.6980 per km <sup>2</sup> |
| Relief                  | 86.00 m                     |
| Drainage density        | 9.7610 km/km <sup>2</sup>   |
| Length of overland flow | 51.222 m                    |

## CATCHMENT CLIMATOLOGY

