

## Horti Dam

|                                      |  |
|--------------------------------------|--|
| Location                             | 17.8892° N, 76.3025° E                 |
| State                                | Maharashtra                            |
| Nearest City                         | Tuljapur                               |
| Year of Completion                   | 1978                                   |
| Operated and Maintained by           | Maharashtra Water Resources Department |
| River Basin                          | Krishna                                |
| River                                | Local Nalla                            |
| Dam Type                             | Earthfill Embankment                   |
| Height above lowest foundation level | 14.7 m                                 |
| Dam length                           | 607.0 m                                |
| Reservoir Area                       | 300000.0 m <sup>2</sup>                |
| Gross storage capacity               | 1345000.0 m <sup>3</sup>               |
| Effective storage capacity           | 1240000.0 m <sup>3</sup>               |

## CATCHMENT CHARACTERISTICS

| Catchment Properties    | Values                      |
|-------------------------|-----------------------------|
| Area of catchment       | 21.1 km <sup>2</sup>        |
| Perimeter of catchment  | 18.9 km                     |
| Basin Length            | 5825.4 m                    |
| Form factor             | 0.62318                     |
| Circularity ratio       | 0.74699                     |
| Elongation ratio        | 0.89046                     |
| Highest Stream order    | 5                           |
| Max elevation           | 649.0 m                     |
| Min elevation           | 594.0 m                     |
| Mean bifurcation ratio  | 6.0904                      |
| Stream frequency        | 69.0860 per km <sup>2</sup> |
| Relief                  | 55.00 m                     |
| Drainage density        | 9.0170 km/km <sup>2</sup>   |
| Length of overland flow | 55.454 m                    |

## CATCHMENT CLIMATOLOGY

