

## Loni Dam

|                                      |  |
|--------------------------------------|--|
| Location                             | 19.7083° N, 78.1619° E                 |
| State                                | Maharashtra                            |
| Nearest City                         | Kinwat                                 |
| Year of Completion                   | 1986                                   |
| Operated and Maintained by           | Maharashtra Water Resources Department |
| River Basin                          | Godavari                               |
| River                                | Local Nalla                            |
| Dam Type                             | Earthfill Embankment                   |
| Height above lowest foundation level | 22.6 m                                 |
| Dam length                           | 1279.0 m                               |
| Reservoir Area                       | 1849000.0 m <sup>2</sup>               |
| Gross storage capacity               | 9210000.0 m <sup>3</sup>               |
| Effective storage capacity           | 8380000.0 m <sup>3</sup>               |

## CATCHMENT CHARACTERISTICS

| Catchment Properties    | Values                      |
|-------------------------|-----------------------------|
| Area of catchment       | 46.1 km <sup>2</sup>        |
| Perimeter of catchment  | 28.9 km                     |
| Basin Length            | 8394.6 m                    |
| Form factor             | 0.65444                     |
| Circularity ratio       | 0.69594                     |
| Elongation ratio        | 0.91252                     |
| Highest Stream order    | 6                           |
| Max elevation           | 594.0 m                     |
| Min elevation           | 318.0 m                     |
| Mean bifurcation ratio  | 2.4926                      |
| Stream frequency        | 81.4220 per km <sup>2</sup> |
| Relief                  | 276.00 m                    |
| Drainage density        | 11.6750 km/km <sup>2</sup>  |
| Length of overland flow | 42.828 m                    |

## CATCHMENT CLIMATOLOGY

