

## Inayatpur Dam

|                                      |  |
|--------------------------------------|--|
| Location                             | 19.5983° N, 75.5347° E                 |
| State                                | Maharashtra                            |
| Nearest City                         | Paithan                                |
| Year of Completion                   | 1981                                   |
| Operated and Maintained by           | Maharashtra Water Resources Department |
| River Basin                          | Godavari                               |
| River                                | Local Nalla                            |
| Dam Type                             | Earthfill Embankment                   |
| Height above lowest foundation level | 11.3 m                                 |
| Dam length                           | 1916.0 m                               |
| Reservoir Area                       | 848000.0 m <sup>2</sup>                |
| Gross storage capacity               | 2020000.0 m <sup>3</sup>               |
| Effective storage capacity           | 1640000.0 m <sup>3</sup>               |

## CATCHMENT CHARACTERISTICS

| Catchment Properties    | Values                      |
|-------------------------|-----------------------------|
| Area of catchment       | 35.2 km <sup>2</sup>        |
| Perimeter of catchment  | 27.1 km                     |
| Basin Length            | 9840.9 m                    |
| Form factor             | 0.36360                     |
| Circularity ratio       | 0.60304                     |
| Elongation ratio        | 0.68017                     |
| Highest Stream order    | 5                           |
| Max elevation           | 654.0 m                     |
| Min elevation           | 479.0 m                     |
| Mean bifurcation ratio  | 2.4942                      |
| Stream frequency        | 80.5970 per km <sup>2</sup> |
| Relief                  | 175.00 m                    |
| Drainage density        | 11.2600 km/km <sup>2</sup>  |
| Length of overland flow | 44.407 m                    |

## CATCHMENT CLIMATOLOGY

