

## Shivankhed Dam

|                                      |  |
|--------------------------------------|--|
| Location                             | 18.5297° N, 76.7361° E                 |
| State                                | Maharashtra                            |
| Nearest City                         | Ahmedpur                               |
| 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 | 12.0 m                                 |
| Dam length                           | 124.0 m                                |
| Reservoir Area                       | 945000.0 m <sup>2</sup>                |
| Gross storage capacity               | 2380000.0 m <sup>3</sup>               |
| Effective storage capacity           | 2140000.0 m <sup>3</sup>               |

## CATCHMENT CHARACTERISTICS

| Catchment Properties    | Values                      |
|-------------------------|-----------------------------|
| Area of catchment       | 23.7 km <sup>2</sup>        |
| Perimeter of catchment  | 20.0 km                     |
| Basin Length            | 5683.1 m                    |
| Form factor             | 0.73530                     |
| Circularity ratio       | 0.74553                     |
| Elongation ratio        | 0.96726                     |
| Highest Stream order    | 5                           |
| Max elevation           | 710.0 m                     |
| Min elevation           | 598.0 m                     |
| Mean bifurcation ratio  | 2.6137                      |
| Stream frequency        | 78.1530 per km <sup>2</sup> |
| Relief                  | 112.00 m                    |
| Drainage density        | 11.0280 km/km <sup>2</sup>  |
| Length of overland flow | 45.338 m                    |

## CATCHMENT CLIMATOLOGY

