

## Suwardhara Dam

|                                      |  |
|--------------------------------------|--|
| Location                             | 21.4917° N, 79.1211° E                 |
| State                                | Maharashtra                            |
| Nearest City                         | Parseoni                               |
| Year of Completion                   | 1968                                   |
| Operated and Maintained by           | Maharashtra Water Resources Department |
| River Basin                          | Godavari                               |
| River                                | Local Nalla                            |
| Dam Type                             | Earthfill Embankment                   |
| Height above lowest foundation level | 13.2 m                                 |
| Dam length                           | 162.0 m                                |
| Reservoir Area                       | 62000.0 m <sup>2</sup>                 |
| Gross storage capacity               | 1937000.0 m <sup>3</sup>               |
| Effective storage capacity           | 1835000.0 m <sup>3</sup>               |

## CATCHMENT CHARACTERISTICS

| Catchment Properties    | Values                      |
|-------------------------|-----------------------------|
| Area of catchment       | 7.3 km <sup>2</sup>         |
| Perimeter of catchment  | 12.5 km                     |
| Basin Length            | 4672.1 m                    |
| Form factor             | 0.33540                     |
| Circularity ratio       | 0.58988                     |
| Elongation ratio        | 0.65326                     |
| Highest Stream order    | 4                           |
| Max elevation           | 501.0 m                     |
| Min elevation           | 345.0 m                     |
| Mean bifurcation ratio  | 2.6533                      |
| Stream frequency        | 80.0400 per km <sup>2</sup> |
| Relief                  | 156.00 m                    |
| Drainage density        | 11.0320 km/km <sup>2</sup>  |
| Length of overland flow | 45.322 m                    |

## CATCHMENT CLIMATOLOGY

