

## Sonali Dam

|                                      |  |
|--------------------------------------|--|
| Location                             | 16.4483° N, 74.1744° E                 |
| State                                | Maharashtra                            |
| Nearest City                         | Kagal                                  |
| Year of Completion                   | 1979                                   |
| Operated and Maintained by           | Maharashtra Water Resources Department |
| River Basin                          | Krishna                                |
| River                                | Local Nalla                            |
| Dam Type                             | Earthfill Embankment                   |
| Height above lowest foundation level | 12.2 m                                 |
| Dam length                           | 638.0 m                                |
| Reservoir Area                       | 34200.0 m <sup>2</sup>                 |
| Gross storage capacity               | 1080000.0 m <sup>3</sup>               |
| Effective storage capacity           | 1070000.0 m <sup>3</sup>               |

## CATCHMENT CHARACTERISTICS

| Catchment Properties    | Values                      |
|-------------------------|-----------------------------|
| Area of catchment       | 4.2 km <sup>2</sup>         |
| Perimeter of catchment  | 9.1 km                      |
| Basin Length            | 2845.9 m                    |
| Form factor             | 0.51322                     |
| Circularity ratio       | 0.63469                     |
| Elongation ratio        | 0.80809                     |
| Highest Stream order    | 4                           |
| Max elevation           | 690.0 m                     |
| Min elevation           | 581.0 m                     |
| Mean bifurcation ratio  | 2.7077                      |
| Stream frequency        | 84.2010 per km <sup>2</sup> |
| Relief                  | 109.00 m                    |
| Drainage density        | 11.6650 km/km <sup>2</sup>  |
| Length of overland flow | 42.862 m                    |

## CATCHMENT CLIMATOLOGY

