

## Shivsagar Dam

|                                      |  |
|--------------------------------------|--|
| Location                             | 17.4033° N, 73.7558° E                 |
| State                                | Maharashtra                            |
| Nearest City                         | Lonawala                               |
| Year of Completion                   | 1989                                   |
| Operated and Maintained by           | Maharashtra Water Resources Department |
| River Basin                          | Krishna                                |
| River                                | Ramnagar Nalla                         |
| Dam Type                             | Other                                  |
| Height above lowest foundation level | 25.7 m                                 |
| Dam length                           | 511.0 m                                |
| Reservoir Area                       | 325890.0 m <sup>2</sup>                |
| Gross storage capacity               | 1810000.0 m <sup>3</sup>               |
| Effective storage capacity           | 1540000.0 m <sup>3</sup>               |

## CATCHMENT CHARACTERISTICS

| Catchment Properties    | Values                      |
|-------------------------|-----------------------------|
| Area of catchment       | 888.0 km <sup>2</sup>       |
| Perimeter of catchment  | 208.7 km                    |
| Basin Length            | 66879.0 m                   |
| Form factor             | 0.19854                     |
| Circularity ratio       | 0.25628                     |
| Elongation ratio        | 0.50261                     |
| Highest Stream order    | 7                           |
| Max elevation           | 1428.0 m                    |
| Min elevation           | 601.0 m                     |
| Mean bifurcation ratio  | 2.3419                      |
| Stream frequency        | 88.1740 per km <sup>2</sup> |
| Relief                  | 827.00 m                    |
| Drainage density        | 13.5140 km/km <sup>2</sup>  |
| Length of overland flow | 36.997 m                    |

## CATCHMENT CLIMATOLOGY

