

## Bagalwadi (Patan) Dam

|                                      |  |
|--------------------------------------|--|
| Location                             | 17.1072° N, 74.0619° E                 |
| State                                | Maharashtra                            |
| Nearest City                         | Patan.                                 |
| Year of Completion                   | Not Available                          |
| Operated and Maintained by           | Maharashtra Water Resources Department |
| River Basin                          | Krishna                                |
| River                                | Local Nalla                            |
| Dam Type                             | Earthfill Embankment                   |
| Height above lowest foundation level | 28.1 m                                 |
| Dam length                           | 290.0 m                                |
| Reservoir Area                       | 2685.0 m <sup>2</sup>                  |
| Gross storage capacity               | 1565000.0 m <sup>3</sup>               |
| Effective storage capacity           | 1340000.0 m <sup>3</sup>               |

## CATCHMENT CHARACTERISTICS

| Catchment Properties    | Values                      |
|-------------------------|-----------------------------|
| Area of catchment       | 3.7 km <sup>2</sup>         |
| Perimeter of catchment  | 7.8 km                      |
| Basin Length            | 1979.7 m                    |
| Form factor             | 0.94031                     |
| Circularity ratio       | 0.76604                     |
| Elongation ratio        | 1.09380                     |
| Highest Stream order    | 4                           |
| Max elevation           | 864.0 m                     |
| Min elevation           | 678.0 m                     |
| Mean bifurcation ratio  | 3.0640                      |
| Stream frequency        | 82.4930 per km <sup>2</sup> |
| Relief                  | 186.00 m                    |
| Drainage density        | 11.1870 km/km <sup>2</sup>  |
| Length of overland flow | 44.696 m                    |

## CATCHMENT CLIMATOLOGY

