

## Januna Sonwal Dam

|                                      |  |
|--------------------------------------|--|
| Location                             | 20.2208° N, 77.2517° E                 |
| State                                | Maharashtra                            |
| Nearest City                         | Washim                                 |
| Year of Completion                   | 2009                                   |
| Operated and Maintained by           | Maharashtra Water Resources Department |
| River Basin                          | Godavari                               |
| River                                | Local Nalla                            |
| Dam Type                             | Earthfill Embankment                   |
| Height above lowest foundation level | 23.1 m                                 |
| Dam length                           | 599.0 m                                |
| Reservoir Area                       | 546800.0 m <sup>2</sup>                |
| Gross storage capacity               | 3258000.0 m <sup>3</sup>               |
| Effective storage capacity           | 2990000.0 m <sup>3</sup>               |

## CATCHMENT CHARACTERISTICS

| Catchment Properties    | Values                      |
|-------------------------|-----------------------------|
| Area of catchment       | 18.7 km <sup>2</sup>        |
| Perimeter of catchment  | 19.3 km                     |
| Basin Length            | 6544.3 m                    |
| Form factor             | 0.43555                     |
| Circularity ratio       | 0.62872                     |
| Elongation ratio        | 0.74444                     |
| Highest Stream order    | 5                           |
| Max elevation           | 565.0 m                     |
| Min elevation           | 493.0 m                     |
| Mean bifurcation ratio  | 2.7437                      |
| Stream frequency        | 72.6400 per km <sup>2</sup> |
| Relief                  | 72.00 m                     |
| Drainage density        | 9.7390 km/km <sup>2</sup>   |
| Length of overland flow | 51.338 m                    |

## CATCHMENT CLIMATOLOGY

