

## Malunja Dam

|                                      |  |
|--------------------------------------|--|
| Location                             | 19.7718° N, 75.0046° E                 |
| State                                | Maharashtra                            |
| Nearest City                         | Sangamnar                              |
| Year of Completion                   | 1973                                   |
| Operated and Maintained by           | Maharashtra Water Resources Department |
| River Basin                          | Godavari                               |
| River                                | Local Nalla                            |
| Dam Type                             | Earthfill Embankment                   |
| Height above lowest foundation level | 13.0 m                                 |
| Dam length                           | 1060.0 m                               |
| Reservoir Area                       | 390000.0 m <sup>2</sup>                |
| Gross storage capacity               | 1100000.0 m <sup>3</sup>               |
| Effective storage capacity           | 860000.0 m <sup>3</sup>                |

## CATCHMENT CHARACTERISTICS

| Catchment Properties    | Values                      |
|-------------------------|-----------------------------|
| Area of catchment       | 2141.0 km <sup>2</sup>      |
| Perimeter of catchment  | 248.5 km                    |
| Basin Length            | 69272.0 m                   |
| Form factor             | 0.44616                     |
| Circularity ratio       | 0.43583                     |
| Elongation ratio        | 0.75345                     |
| Highest Stream order    | 8                           |
| Max elevation           | 935.0 m                     |
| Min elevation           | 478.0 m                     |
| Mean bifurcation ratio  | 2.3436                      |
| Stream frequency        | 72.7850 per km <sup>2</sup> |
| Relief                  | 457.00 m                    |
| Drainage density        | 9.8960 km/km <sup>2</sup>   |
| Length of overland flow | 50.528 m                    |

## CATCHMENT CLIMATOLOGY

