

## Laxmikheda Dam

|                                      |   |
|--------------------------------------|---|
| Location                             | 23.8050° N, 76.1319° E                    |
| State                                | Madhya Pradesh                            |
| Nearest City                         | Susner                                    |
| Year of Completion                   | 1989                                      |
| Operated and Maintained by           | Madhya Pradesh Water Resources Department |
| River Basin                          | Ganga                                     |
| River                                | Local                                     |
| Dam Type                             | Earthfill Embankment                      |
| Height above lowest foundation level | 22.3 m                                    |
| Dam length                           | 1230.0 m                                  |
| Reservoir Area                       | 1540000.0 m <sup>2</sup>                  |
| Gross storage capacity               | 4080000.0 m <sup>3</sup>                  |
| Effective storage capacity           | 3560000.0 m <sup>3</sup>                  |

## CATCHMENT CHARACTERISTICS

| Catchment Properties    | Values                      |
|-------------------------|-----------------------------|
| Area of catchment       | 21.1 km <sup>2</sup>        |
| Perimeter of catchment  | 21.6 km                     |
| Basin Length            | 8000.5 m                    |
| Form factor             | 0.32969                     |
| Circularity ratio       | 0.56979                     |
| Elongation ratio        | 0.64768                     |
| Highest Stream order    | 6                           |
| Max elevation           | 515.0 m                     |
| Min elevation           | 409.0 m                     |
| Mean bifurcation ratio  | 7.2431                      |
| Stream frequency        | 77.9040 per km <sup>2</sup> |
| Relief                  | 106.00 m                    |
| Drainage density        | 10.5190 km/km <sup>2</sup>  |
| Length of overland flow | 47.534 m                    |

## CATCHMENT CLIMATOLOGY

