

## Hinglow Dam

|                                      |  |
|--------------------------------------|--|
| Location                             | 23.8221° N, 87.1934° E                 |
| State                                | West Bengal                            |
| Nearest City                         | Suri                                   |
| Year of Completion                   | 1976                                   |
| Operated and Maintained by           | West Bengal Water Resources Department |
| River Basin                          | Ganga                                  |
| River                                | Hinglow.                               |
| Dam Type                             | Earthfill Embankment                   |
| Height above lowest foundation level | 12.0 m                                 |
| Dam length                           | 1158.0 m                               |
| Reservoir Area                       | 6480000.0 m <sup>2</sup>               |
| Gross storage capacity               | 17069000.0 m <sup>3</sup>              |
| Effective storage capacity           | 14150000.0 m <sup>3</sup>              |

## CATCHMENT CHARACTERISTICS

| Catchment Properties    | Values                      |
|-------------------------|-----------------------------|
| Area of catchment       | 282.6 km <sup>2</sup>       |
| Perimeter of catchment  | 87.7 km                     |
| Basin Length            | 32896.0 m                   |
| Form factor             | 0.26113                     |
| Circularity ratio       | 0.46201                     |
| Elongation ratio        | 0.57642                     |
| Highest Stream order    | 7                           |
| Max elevation           | 262.0 m                     |
| Min elevation           | 87.0 m                      |
| Mean bifurcation ratio  | 2.4841                      |
| Stream frequency        | 75.2240 per km <sup>2</sup> |
| Relief                  | 175.00 m                    |
| Drainage density        | 10.1360 km/km <sup>2</sup>  |
| Length of overland flow | 49.328 m                    |

## CATCHMENT CLIMATOLOGY

