

## Barchar Dam

|                                      |   |
|--------------------------------------|---|
| Location                             | 24.0461° N, 81.8967° E                    |
| State                                | Madhya Pradesh                            |
| Nearest City                         | Gopad Banas                               |
| Year of Completion                   | 1986                                      |
| Operated and Maintained by           | Madhya Pradesh Water Resources Department |
| River Basin                          | Ganga                                     |
| River                                | Barchar                                   |
| Dam Type                             | Earthfill Embankment                      |
| Height above lowest foundation level | 28.4 m                                    |
| Dam length                           | 546.0 m                                   |
| Reservoir Area                       | 3570000.0 m <sup>2</sup>                  |
| Gross storage capacity               | 17180000.0 m <sup>3</sup>                 |
| Effective storage capacity           | 16560000.0 m <sup>3</sup>                 |

## CATCHMENT CHARACTERISTICS

| Catchment Properties    | Values                      |
|-------------------------|-----------------------------|
| Area of catchment       | 55.2 km <sup>2</sup>        |
| Perimeter of catchment  | 42.4 km                     |
| Basin Length            | 13689.0 m                   |
| Form factor             | 0.29482                     |
| Circularity ratio       | 0.38601                     |
| Elongation ratio        | 0.61247                     |
| Highest Stream order    | 6                           |
| Max elevation           | 564.0 m                     |
| Min elevation           | 357.0 m                     |
| Mean bifurcation ratio  | 2.4890                      |
| Stream frequency        | 76.6000 per km <sup>2</sup> |
| Relief                  | 207.00 m                    |
| Drainage density        | 10.3250 km/km <sup>2</sup>  |
| Length of overland flow | 48.425 m                    |

## CATCHMENT CLIMATOLOGY

