

## Bhadra Dam

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| Location                             | 13.7008° N, 75.6361° E               |
| State                                | Karnataka                            |
| Nearest City                         | Tarikere                             |
| Year of Completion                   | 1965                                 |
| Operated and Maintained by           | Karnataka Water Resources Department |
| River Basin                          | Krishna                              |
| River                                | Bhadra                               |
| Dam Type                             | Composite Masonry and Rock fill      |
| Height above lowest foundation level | 76.8 m                               |
| Dam length                           | 1708.0 m                             |
| Reservoir Area                       | 112508800.0 m <sup>2</sup>           |
| Gross storage capacity               | 2025870000.0 m <sup>3</sup>          |
| Effective storage capacity           | 1785000000.0 m <sup>3</sup>          |

## CATCHMENT CHARACTERISTICS

| Catchment Properties    | Values                      |
|-------------------------|-----------------------------|
| Area of catchment       | 2043.6 km <sup>2</sup>      |
| Perimeter of catchment  | 287.5 km                    |
| Basin Length            | 77878.0 m                   |
| Form factor             | 0.33696                     |
| Circularity ratio       | 0.31085                     |
| Elongation ratio        | 0.65478                     |
| Highest Stream order    | 7                           |
| Max elevation           | 1860.0 m                    |
| Min elevation           | 597.0 m                     |
| Mean bifurcation ratio  | 2.3444                      |
| Stream frequency        | 81.6900 per km <sup>2</sup> |
| Relief                  | 1263.00 m                   |
| Drainage density        | 12.2590 km/km <sup>2</sup>  |
| Length of overland flow | 40.787 m                    |

## CATCHMENT CLIMATOLOGY

