

## Kuvalgi Aheri Dam

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| Location                             | 16.8475° N, 75.8836° E               |
| State                                | Karnataka                            |
| Nearest City                         | Bijapur.                             |
| Year of Completion                   | 1981                                 |
| Operated and Maintained by           | Karnataka Water Resources Department |
| River Basin                          | Krishna                              |
| River                                | Kuvalgi Aheri                        |
| Dam Type                             | Other                                |
| Height above lowest foundation level | 13.6 m                               |
| Dam length                           | 518.0 m                              |
| Reservoir Area                       | 532800.0 m <sup>2</sup>              |
| Gross storage capacity               | 1439000.0 m <sup>3</sup>             |
| Effective storage capacity           | 1296600.0 m <sup>3</sup>             |

## CATCHMENT CHARACTERISTICS

| Catchment Properties    | Values                      |
|-------------------------|-----------------------------|
| Area of catchment       | 21.1 km <sup>2</sup>        |
| Perimeter of catchment  | 18.2 km                     |
| Basin Length            | 6092.3 m                    |
| Form factor             | 0.56757                     |
| Circularity ratio       | 0.79932                     |
| Elongation ratio        | 0.84980                     |
| Highest Stream order    | 6                           |
| Max elevation           | 602.0 m                     |
| Min elevation           | 530.0 m                     |
| Mean bifurcation ratio  | 3.4743                      |
| Stream frequency        | 74.5750 per km <sup>2</sup> |
| Relief                  | 72.00 m                     |
| Drainage density        | 10.2370 km/km <sup>2</sup>  |
| Length of overland flow | 48.842 m                    |

## CATCHMENT CLIMATOLOGY

