

## Dadaraghati Dam

|                                      |                                   |
|--------------------------------------|-----------------------------------|
| Location                             | 21.0575° N, 85.2886° E            |
| State                                | Odisha                            |
| Nearest City                         | Kamakhyanagar                     |
| Year of Completion                   | 1979                              |
| Operated and Maintained by           | Odisha Water Resources Department |
| River Basin                          | Brahmani                          |
| River                                | Gambharia Nalla                   |
| Dam Type                             | Concrete Gravity or RCC           |
| Height above lowest foundation level | 19.0 m                            |
| Dam length                           | 240.0 m                           |
| Reservoir Area                       | 847000.0 m <sup>2</sup>           |
| Gross storage capacity               | 27770000.0 m <sup>3</sup>         |
| Effective storage capacity           | 24270000.0 m <sup>3</sup>         |

## CATCHMENT CHARACTERISTICS

| Catchment Properties    | Values                      |
|-------------------------|-----------------------------|
| Area of catchment       | 111.0 km <sup>2</sup>       |
| Perimeter of catchment  | 65.9 km                     |
| Basin Length            | 20202.0 m                   |
| Form factor             | 0.27199                     |
| Circularity ratio       | 0.32135                     |
| Elongation ratio        | 0.58828                     |
| Highest Stream order    | 6                           |
| Max elevation           | 410.0 m                     |
| Min elevation           | 102.0 m                     |
| Mean bifurcation ratio  | 2.2621                      |
| Stream frequency        | 81.1750 per km <sup>2</sup> |
| Relief                  | 308.00 m                    |
| Drainage density        | 11.4840 km/km <sup>2</sup>  |
| Length of overland flow | 43.540 m                    |

## CATCHMENT CLIMATOLOGY

