

## Upper Kiul Dam

|                                      |                                  |
|--------------------------------------|----------------------------------|
| Location                             | 24.8094° N, 86.0711° E           |
| State                                | Bihar                            |
| Nearest City                         | Jamui                            |
| Year of Completion                   | 2004                             |
| Operated and Maintained by           | Bihar Water Resources Department |
| River Basin                          | Ganga                            |
| River                                | Kiul.                            |
| Dam Type                             | Earthfill Embankment             |
| Height above lowest foundation level | 35.6 m                           |
| Dam length                           | 3673.0 m                         |
| Reservoir Area                       | 12303000.0 m <sup>2</sup>        |
| Gross storage capacity               | 98103000.0 m <sup>3</sup>        |
| Effective storage capacity           | 84529000.0 m <sup>3</sup>        |

## CATCHMENT CHARACTERISTICS

| Catchment Properties    | Values                      |
|-------------------------|-----------------------------|
| Area of catchment       | 284.8 km <sup>2</sup>       |
| Perimeter of catchment  | 110.0 km                    |
| Basin Length            | 31535.0 m                   |
| Form factor             | 0.28637                     |
| Circularity ratio       | 0.29601                     |
| Elongation ratio        | 0.60363                     |
| Highest Stream order    | 7                           |
| Max elevation           | 559.0 m                     |
| Min elevation           | 151.0 m                     |
| Mean bifurcation ratio  | 2.2430                      |
| Stream frequency        | 77.7630 per km <sup>2</sup> |
| Relief                  | 408.00 m                    |
| Drainage density        | 10.5270 km/km <sup>2</sup>  |
| Length of overland flow | 47.498 m                    |

## CATCHMENT CLIMATOLOGY

