

## Sushil Sagar Dam

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| Location                             | 25.3219° N, 75.3297° E               |
| State                                | Rajasthan                            |
| Nearest City                         | Mandalgarh                           |
| Year of Completion                   | 1991                                 |
| Operated and Maintained by           | Rajasthan Water Resources Department |
| River Basin                          | Ganga                                |
| River                                | Local Nallah                         |
| Dam Type                             | Earthfill Embankment                 |
| Height above lowest foundation level | 12.8 m                               |
| Dam length                           | 430.0 m                              |
| Reservoir Area                       | 690000.0 m <sup>2</sup>              |
| Gross storage capacity               | 2202000.0 m <sup>3</sup>             |
| Effective storage capacity           | 1982000.0 m <sup>3</sup>             |

## CATCHMENT CHARACTERISTICS

| Catchment Properties    | Values                      |
|-------------------------|-----------------------------|
| Area of catchment       | 10.9 km <sup>2</sup>        |
| Perimeter of catchment  | 15.6 km                     |
| Basin Length            | 4139.5 m                    |
| Form factor             | 0.63778                     |
| Circularity ratio       | 0.56556                     |
| Elongation ratio        | 0.90083                     |
| Highest Stream order    | 5                           |
| Max elevation           | 389.0 m                     |
| Min elevation           | 361.0 m                     |
| Mean bifurcation ratio  | 2.6426                      |
| Stream frequency        | 69.9080 per km <sup>2</sup> |
| Relief                  | 28.00 m                     |
| Drainage density        | 9.0290 km/km <sup>2</sup>   |
| Length of overland flow | 55.380 m                    |

## CATCHMENT CLIMATOLOGY

