

## Kanyakheri Dam

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| Location                             | 25.2536° N, 74.6242° E               |
| State                                | Rajasthan                            |
| Nearest City                         | Bhilwara                             |
| Year of Completion                   | 1987                                 |
| Operated and Maintained by           | Rajasthan Water Resources Department |
| River Basin                          | Ganga                                |
| River                                | Local Nalla                          |
| Dam Type                             | Earthfill Embankment                 |
| Height above lowest foundation level | 10.5 m                               |
| Dam length                           | 3656.0 m                             |
| Reservoir Area                       | 2376000.0 m <sup>2</sup>             |
| Gross storage capacity               | 4330000.0 m <sup>3</sup>             |
| Effective storage capacity           | 3790000.0 m <sup>3</sup>             |

## CATCHMENT CHARACTERISTICS

| Catchment Properties    | Values                      |
|-------------------------|-----------------------------|
| Area of catchment       | 90.8 km <sup>2</sup>        |
| Perimeter of catchment  | 48.5 km                     |
| Basin Length            | 13089.0 m                   |
| Form factor             | 0.52993                     |
| Circularity ratio       | 0.48589                     |
| Elongation ratio        | 0.82114                     |
| Highest Stream order    | 6                           |
| Max elevation           | 493.0 m                     |
| Min elevation           | 385.0 m                     |
| Mean bifurcation ratio  | 2.1746                      |
| Stream frequency        | 70.3750 per km <sup>2</sup> |
| Relief                  | 108.00 m                    |
| Drainage density        | 8.8910 km/km <sup>2</sup>   |
| Length of overland flow | 56.234 m                    |

## CATCHMENT CLIMATOLOGY

