

## Siori Lake Dam

|   |   |
|---|---|
| <b>Location</b>                             | 25.3142° N, 79.0917° E                                  |
| <b>State</b>                                | Uttar Pradesh   |
| <b>Nearest City</b>                         | Hamirpur.   |
| <b>Year of Completion</b>                   | 1911  |
| <b>Operated and Maintained by</b>           | Uttar Pradesh Irrigation and Water Resources Department |
| <b>River Basin</b>                          | Ganga   |
| <b>River</b>                                | Lakheri   |
| <b>Dam Type</b>                             | Earthfill Embankment                                    |
| <b>Height above lowest foundation level</b> | 13.9 m  |
| <b>Dam length</b>                           | 2306.0 m  |
| <b>Reservoir Area</b>                       | 19900000.0 m <sup>2</sup>                               |
| <b>Gross storage capacity</b>               | 7820000.0 m <sup>3</sup>                                |
| <b>Effective storage capacity</b>           | 7600000.0 m <sup>3</sup>                                |

## CATCHMENT CHARACTERISTICS

| Catchment Properties           | Values                      |
|--------------------------------|-----------------------------|
| <b>Area of catchment</b>       | 81.2 km <sup>2</sup>        |
| <b>Perimeter of catchment</b>  | 51.0 km                     |
| <b>Basin Length</b>            | 16077.0 m                   |
| <b>Form factor</b>             | 0.31421                     |
| <b>Circularity ratio</b>       | 0.39324                     |
| <b>Elongation ratio</b>        | 0.63230                     |
| <b>Highest Stream order</b>    | 6                           |
| <b>Max elevation</b>           | 325.0 m                     |
| <b>Min elevation</b>           | 194.0 m                     |
| <b>Mean bifurcation ratio</b>  | 4.5732                      |
| <b>Stream frequency</b>        | 67.2870 per km <sup>2</sup> |
| <b>Relief</b>                  | 131.00 m                    |
| <b>Drainage density</b>        | 8.3650 km/km <sup>2</sup>   |
| <b>Length of overland flow</b> | 59.771 m                    |

## CATCHMENT CLIMATOLOGY

