

## Samaldo Dam

|                                      |   |
|--------------------------------------|---|
| Location                             | 22.2608° N, 75.4258° E                    |
| State                                | Madhya Pradesh                            |
| Nearest City                         | Dhar                                      |
| Year of Completion                   | 1960                                      |
| Operated and Maintained by           | Madhya Pradesh Water Resources Department |
| River Basin                          | Narmada                                   |
| River                                | Local                                     |
| Dam Type                             | Earthfill Embankment                      |
| Height above lowest foundation level | 12.9 m                                    |
| Dam length                           | 823.0 m                                   |
| Reservoir Area                       | 1260000.0 m <sup>2</sup>                  |
| Gross storage capacity               | 4880000.0 m <sup>3</sup>                  |
| Effective storage capacity           | 4680000.0 m <sup>3</sup>                  |

## CATCHMENT CHARACTERISTICS

| Catchment Properties    | Values                      |
|-------------------------|-----------------------------|
| Area of catchment       | 19.6 km <sup>2</sup>        |
| Perimeter of catchment  | 19.4 km                     |
| Basin Length            | 7447.8 m                    |
| Form factor             | 0.35288                     |
| Circularity ratio       | 0.65077                     |
| Elongation ratio        | 0.67008                     |
| Highest Stream order    | 6                           |
| Max elevation           | 652.0 m                     |
| Min elevation           | 192.0 m                     |
| Mean bifurcation ratio  | 3.6503                      |
| Stream frequency        | 83.9360 per km <sup>2</sup> |
| Relief                  | 460.00 m                    |
| Drainage density        | 11.7760 km/km <sup>2</sup>  |
| Length of overland flow | 42.458 m                    |

## CATCHMENT CLIMATOLOGY

