

## Trivni-Tranga Dam

|                                      |                                        |
|--------------------------------------|----------------------------------------|
| Location                             | 22.3150° N, 71.1000° E                 |
| State                                | Gujarat                                |
| Nearest City                         | Chotila                                |
| Year of Completion                   | 1998                                   |
| Operated and Maintained by           | Gujarat Engineering Research Institute |
| River Basin                          | Sabarmati                              |
| River                                | Jamburi                                |
| Dam Type                             | Other                                  |
| Height above lowest foundation level | 13.6 m                                 |
| Dam length                           | 1290.0 m                               |
| Reservoir Area                       | 1247000.0 m <sup>2</sup>               |
| Gross storage capacity               | 3225000.0 m <sup>3</sup>               |
| Effective storage capacity           | 2975000.0 m <sup>3</sup>               |

## CATCHMENT CHARACTERISTICS

| Catchment Properties    | Values                      |
|-------------------------|-----------------------------|
| Area of catchment       | 71.2 km <sup>2</sup>        |
| Perimeter of catchment  | 39.0 km                     |
| Basin Length            | 11755.0 m                   |
| Form factor             | 0.51500                     |
| Circularity ratio       | 0.58772                     |
| Elongation ratio        | 0.80950                     |
| Highest Stream order    | 6                           |
| Max elevation           | 338.0 m                     |
| Min elevation           | 203.0 m                     |
| Mean bifurcation ratio  | 2.1985                      |
| Stream frequency        | 76.9080 per km <sup>2</sup> |
| Relief                  | 135.00 m                    |
| Drainage density        | 10.5220 km/km <sup>2</sup>  |
| Length of overland flow | 47.518 m                    |

## CATCHMENT CLIMATOLOGY

