

## Upper Bhavani Pumping Weir Dam

|   |  |
|---|--|
| <b>Location</b>                             | 11.2222° N, 76.5206° E   |
| <b>State</b>                                | Tamil Nadu   |
| <b>Nearest City</b>                         | Uthagamandalam   |
| <b>Year of Completion</b>                   | 1966   |
| <b>Operated and Maintained by</b>           | Tamil Nadu Electricity Generation and Distribution Corporation |
| <b>River Basin</b>                          | West Coast   |
| <b>River</b>                                | Bhavani.   |
| <b>Dam Type</b>                             | Masonry Gravity  |
| <b>Height above lowest foundation level</b> | m  |
| <b>Dam length</b>                           | m  |
| <b>Reservoir Area</b>                       | 1767168.0 m <sup>2</sup>                                       |
| <b>Gross storage capacity</b>               | m <sup>3</sup>   |
| <b>Effective storage capacity</b>           | m <sup>3</sup>   |

## CATCHMENT CHARACTERISTICS

| Catchment Properties           | Values                      |
|--------------------------------|-----------------------------|
| <b>Area of catchment</b>       | 38.2 km <sup>2</sup>        |
| <b>Perimeter of catchment</b>  | 30.3 km                     |
| <b>Basin Length</b>            | 9817.3 m                    |
| <b>Form factor</b>             | 0.39612                     |
| <b>Circularity ratio</b>       | 0.52382                     |
| <b>Elongation ratio</b>        | 0.70994                     |
| <b>Highest Stream order</b>    | 6                           |
| <b>Max elevation</b>           | 2591.0 m                    |
| <b>Min elevation</b>           | 2162.0 m                    |
| <b>Mean bifurcation ratio</b>  | 2.3264                      |
| <b>Stream frequency</b>        | 72.4500 per km <sup>2</sup> |
| <b>Relief</b>                  | 429.00 m                    |
| <b>Drainage density</b>        | 10.2830 km/km <sup>2</sup>  |
| <b>Length of overland flow</b> | 48.623 m                    |

## CATCHMENT CLIMATOLOGY

