

## Manjalar Dam

|                                      |                                       |
|--------------------------------------|---------------------------------------|
| Location                             | 10.2000° N, 77.6353° E                |
| State                                | Tamil Nadu                            |
| Nearest City                         | Periakulam                            |
| Year of Completion                   | 1967                                  |
| Operated and Maintained by           | Tamil Nadu Water Resources Department |
| River Basin                          | South Coast                           |
| River                                | Manjalar                              |
| Dam Type                             | Earthfill Embankment                  |
| Height above lowest foundation level | 28.3 m                                |
| Dam length                           | 1043.0 m                              |
| Reservoir Area                       | 1970000.0 m <sup>2</sup>              |
| Gross storage capacity               | 13480000.0 m <sup>3</sup>             |
| Effective storage capacity           | 13300000.0 m <sup>3</sup>             |

## CATCHMENT CHARACTERISTICS

| Catchment Properties    | Values                      |
|-------------------------|-----------------------------|
| Area of catchment       | 117.5 km <sup>2</sup>       |
| Perimeter of catchment  | 54.4 km                     |
| Basin Length            | 14539.0 m                   |
| Form factor             | 0.55566                     |
| Circularity ratio       | 0.49823                     |
| Elongation ratio        | 0.84084                     |
| Highest Stream order    | 6                           |
| Max elevation           | 2161.0 m                    |
| Min elevation           | 288.0 m                     |
| Mean bifurcation ratio  | 2.4756                      |
| Stream frequency        | 86.6250 per km <sup>2</sup> |
| Relief                  | 1873.00 m                   |
| Drainage density        | 13.5400 km/km <sup>2</sup>  |
| Length of overland flow | 36.928 m                    |

## CATCHMENT CLIMATOLOGY

