

Chimoni Dam

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|--------------------------------------|-----------------------------------|
| Location | 10.4386° N, 76.4622° E |
| State | Kerala |
| Nearest City | Mukundapuram |
| Year of Completion | 1996 |
| Operated and Maintained by | Kerala Water Resources Department |
| River Basin | West Coast |
| River | Karuvannur |
| Dam Type | Earthfill Embankment |
| Height above lowest foundation level | 82.8 m |
| Dam length | 686.5 m |
| Reservoir Area | 9950000.0 m ² |
| Gross storage capacity | 179390000.0 m ³ |
| Effective storage capacity | 172640000.0 m ³ |

CATCHMENT CHARACTERISTICS

| Catchment Properties | Values |
|-------------------------|-----------------------------|
| Area of catchment | 72.1 km ² |
| Perimeter of catchment | 36.7 km |
| Basin Length | 10951.0 m |
| Form factor | 0.60121 |
| Circularity ratio | 0.67402 |
| Elongation ratio | 0.87462 |
| Highest Stream order | 6 |
| Max elevation | 1081.0 m |
| Min elevation | 38.0 m |
| Mean bifurcation ratio | 2.5245 |
| Stream frequency | 83.3390 per km ² |
| Relief | 1043.00 m |
| Drainage density | 12.8800 km/km ² |
| Length of overland flow | 38.819 m |

CATCHMENT CLIMATOLOGY

