

Pilavukkal Project Kovilar Dam

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|--------------------------------------|---------------------------------------|
| Location | 9.6639° N, 77.5500° E |
| State | Tamil Nadu |
| Nearest City | Usilampatti |
| Year of Completion | 1976 |
| Operated and Maintained by | Tamil Nadu Water Resources Department |
| River Basin | South Coast |
| River | Kovilar |
| Dam Type | Earthfill Embankment |
| Height above lowest foundation level | 16.0 m |
| Dam length | 639.3 m |
| Reservoir Area | 740736.6 m ² |
| Gross storage capacity | 3766137.0 m ³ |
| Effective storage capacity | 3766137.0 m ³ |

CATCHMENT CHARACTERISTICS

| Catchment Properties | Values |
|-------------------------|-----------------------------|
| Area of catchment | 33.1 km ² |
| Perimeter of catchment | 26.6 km |
| Basin Length | 9794.8 m |
| Form factor | 0.34509 |
| Circularity ratio | 0.58802 |
| Elongation ratio | 0.66264 |
| Highest Stream order | 6 |
| Max elevation | 1261.0 m |
| Min elevation | 199.0 m |
| Mean bifurcation ratio | 2.7530 |
| Stream frequency | 89.6770 per km ² |
| Relief | 1062.00 m |
| Drainage density | 14.3500 km/km ² |
| Length of overland flow | 34.843 m |

CATCHMENT CLIMATOLOGY

