

Vadakku Pachaiyar Dam

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|--------------------------------------|---------------------------------------|
| Location | 8.5444° N, 77.5236° E |
| State | Tamil Nadu |
| Nearest City | Nanguneri |
| Year of Completion | 2003 |
| Operated and Maintained by | Tamil Nadu Water Resources Department |
| River Basin | South Coast |
| River | Vadakkupaichaiyar |
| Dam Type | Composite Masonry and Earth fill |
| Height above lowest foundation level | 20.1 m |
| Dam length | 3115.0 m |
| Reservoir Area | 1850000.0 m ² |
| Gross storage capacity | 13640000.0 m ³ |
| Effective storage capacity | 13620000.0 m ³ |

CATCHMENT CHARACTERISTICS

| Catchment Properties | Values |
|-------------------------|-----------------------------|
| Area of catchment | 34.5 km ² |
| Perimeter of catchment | 23.9 km |
| Basin Length | 7690.5 m |
| Form factor | 0.58367 |
| Circularity ratio | 0.75821 |
| Elongation ratio | 0.86178 |
| Highest Stream order | 5 |
| Max elevation | 1155.0 m |
| Min elevation | 134.0 m |
| Mean bifurcation ratio | 2.5063 |
| Stream frequency | 86.6440 per km ² |
| Relief | 1021.00 m |
| Drainage density | 13.4300 km/km ² |
| Length of overland flow | 37.230 m |

CATCHMENT CLIMATOLOGY

