

Palar Poranthalar Dam

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|--------------------------------------|---------------------------------------|
| Location | 10.3806° N, 77.4883° E |
| State | Tamil Nadu |
| Nearest City | Palani |
| Year of Completion | 1978 |
| Operated and Maintained by | Tamil Nadu Water Resources Department |
| River Basin | Cauvery |
| River | Amaravathi |
| Dam Type | Composite Masonry and Earth fill |
| Height above lowest foundation level | 32.0 m |
| Dam length | 2451.0 m |
| Reservoir Area | 5180000.0 m ² |
| Gross storage capacity | 43150000.0 m ³ |
| Effective storage capacity | 43150000.0 m ³ |

CATCHMENT CHARACTERISTICS

| Catchment Properties | Values |
|-------------------------|-----------------------------|
| Area of catchment | 279.1 km ² |
| Perimeter of catchment | 79.8 km |
| Basin Length | 22408.0 m |
| Form factor | 0.55582 |
| Circularity ratio | 0.55113 |
| Elongation ratio | 0.84097 |
| Highest Stream order | 7 |
| Max elevation | 2458.0 m |
| Min elevation | 320.0 m |
| Mean bifurcation ratio | 2.3357 |
| Stream frequency | 86.6380 per km ² |
| Relief | 2138.00 m |
| Drainage density | 13.5800 km/km ² |
| Length of overland flow | 36.819 m |

CATCHMENT CLIMATOLOGY

