

Nagariar Sasthakovil Dam

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|--------------------------------------|---------------------------------------|
| Location | 9.4122° N, 77.4089° E |
| State | Tamil Nadu |
| Nearest City | Rajapalyam |
| Year of Completion | 2004 |
| Operated and Maintained by | Tamil Nadu Water Resources Department |
| River Basin | South Coast |
| River | Nagariar |
| Dam Type | Composite Masonry and Earth fill |
| Height above lowest foundation level | 23.9 m |
| Dam length | 1410.0 m |
| Reservoir Area | 798000.0 m ² |
| Gross storage capacity | 1032100.0 m ³ |
| Effective storage capacity | 1032100.0 m ³ |

CATCHMENT CHARACTERISTICS

| Catchment Properties | Values |
|-------------------------|-----------------------------|
| Area of catchment | 25.0 km ² |
| Perimeter of catchment | 23.4 km |
| Basin Length | 7398.2 m |
| Form factor | 0.45728 |
| Circularity ratio | 0.57425 |
| Elongation ratio | 0.76278 |
| Highest Stream order | 6 |
| Max elevation | 1692.0 m |
| Min elevation | 190.0 m |
| Mean bifurcation ratio | 2.4696 |
| Stream frequency | 87.7010 per km ² |
| Relief | 1502.00 m |
| Drainage density | 13.7160 km/km ² |
| Length of overland flow | 36.454 m |

CATCHMENT CLIMATOLOGY

