

Padrai Dam

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|--------------------------------------|---|
| Location | 23.7075° N, 79.5022° E |
| State | Madhya Pradesh |
| Nearest City | Sagar |
| Year of Completion | 1983 |
| Operated and Maintained by | Madhya Pradesh Water Resources Department |
| River Basin | Ganga |
| River | Local |
| Dam Type | Earthfill Embankment |
| Height above lowest foundation level | 16.5 m |
| Dam length | 630.0 m |
| Reservoir Area | 240000.0 m ² |
| Gross storage capacity | 1024000.0 m ³ |
| Effective storage capacity | 964000.0 m ³ |

CATCHMENT CHARACTERISTICS

| Catchment Properties | Values |
|-------------------------|-----------------------------|
| Area of catchment | 2.8 km ² |
| Perimeter of catchment | 6.9 km |
| Basin Length | 2211.4 m |
| Form factor | 0.57684 |
| Circularity ratio | 0.74412 |
| Elongation ratio | 0.85672 |
| Highest Stream order | 4 |
| Max elevation | 399.0 m |
| Min elevation | 342.0 m |
| Mean bifurcation ratio | 4.0582 |
| Stream frequency | 79.4090 per km ² |
| Relief | 57.00 m |
| Drainage density | 10.0420 km/km ² |
| Length of overland flow | 49.792 m |

CATCHMENT CLIMATOLOGY

