

Silpari Dam

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|--------------------------------------|---|
| Location | 23.4461° N, 81.4419° E |
| State | Madhya Pradesh |
| Nearest City | Shahdol |
| Year of Completion | 1988 |
| Operated and Maintained by | Madhya Pradesh Water Resources Department |
| River Basin | Ganga |
| River | Local |
| Dam Type | Earthfill Embankment |
| Height above lowest foundation level | 17.2 m |
| Dam length | 1110.0 m |
| Reservoir Area | 135000.0 m ² |
| Gross storage capacity | 1357000.0 m ³ |
| Effective storage capacity | 1086000.0 m ³ |

CATCHMENT CHARACTERISTICS

| Catchment Properties | Values |
|-------------------------|-----------------------------|
| Area of catchment | 6.2 km ² |
| Perimeter of catchment | 12.0 km |
| Basin Length | 3507.1 m |
| Form factor | 0.50112 |
| Circularity ratio | 0.53739 |
| Elongation ratio | 0.79851 |
| Highest Stream order | 5 |
| Max elevation | 609.0 m |
| Min elevation | 443.0 m |
| Mean bifurcation ratio | 3.6524 |
| Stream frequency | 77.5510 per km ² |
| Relief | 166.00 m |
| Drainage density | 10.5390 km/km ² |
| Length of overland flow | 47.442 m |

CATCHMENT CLIMATOLOGY

