

Jaipur Dam

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|---|--------------------------------------|
| Location | 23.1719° N, 84.2792° E |
| State | Jharkhand |
| Nearest City | Gumla |
| Year of Completion | 1985 |
| Operated and Maintained by | Jharkhand Water Resources Department |
| River Basin | Brahmani |
| River | Nakti Nala |
| Dam Type | Earthfill Embankment |
| Height above lowest foundation level | 22.6 m |
| Dam length | 914.6 m |
| Reservoir Area | 280000.0 m ² |
| Gross storage capacity | 1813000.0 m ³ |
| Effective storage capacity | 1558000.0 m ³ |

CATCHMENT CHARACTERISTICS

| Catchment Properties | Values |
|--------------------------------|-----------------------------|
| Area of catchment | 6.5 km ² |
| Perimeter of catchment | 12.7 km |
| Basin Length | 4868.1 m |
| Form factor | 0.27308 |
| Circularity ratio | 0.50742 |
| Elongation ratio | 0.58946 |
| Highest Stream order | 4 |
| Max elevation | 1019.0 m |
| Min elevation | 738.0 m |
| Mean bifurcation ratio | 2.4652 |
| Stream frequency | 86.2230 per km ² |
| Relief | 281.00 m |
| Drainage density | 12.1560 km/km ² |
| Length of overland flow | 41.133 m |

CATCHMENT CLIMATOLOGY

