

Sarai Garh Dam

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|---|---|
| Location | 24.7664° N, 83.4047° E |
| State | Uttar Pradesh |
| Nearest City | Robertsganj |
| Year of Completion | 1970 |
| Operated and Maintained by | Uttar Pradesh Irrigation and Water Resources Department |
| River Basin | Ganga |
| River | Local |
| Dam Type | Earthfill Embankment |
| Height above lowest foundation level | 10.8 m |
| Dam length | 735.0 m |
| Reservoir Area | 156045.0 m ² |
| Gross storage capacity | 735000.0 m ³ |
| Effective storage capacity | 514500.0 m ³ |

CATCHMENT CHARACTERISTICS

| Catchment Properties | Values |
|--------------------------------|-----------------------------|
| Area of catchment | 3.3 km ² |
| Perimeter of catchment | 7.8 km |
| Basin Length | 2474.2 m |
| Form factor | 0.53547 |
| Circularity ratio | 0.68285 |
| Elongation ratio | 0.82542 |
| Highest Stream order | 4 |
| Max elevation | 346.0 m |
| Min elevation | 316.0 m |
| Mean bifurcation ratio | 2.2874 |
| Stream frequency | 78.4050 per km ² |
| Relief | 30.00 m |
| Drainage density | 10.2380 km/km ² |
| Length of overland flow | 48.835 m |

CATCHMENT CLIMATOLOGY

