

Gagrin Dam

| | |
|--------------------------------------|--------------------------------------|
| Location | 24.1264° N, 75.9006° E |
| State | Rajasthan |
| Nearest City | Pirawa |
| Year of Completion | Not Available |
| Operated and Maintained by | Rajasthan Water Resources Department |
| River Basin | Ganga |
| River | Ahu |
| Dam Type | Earthfill Embankment |
| Height above lowest foundation level | 25.5 m |
| Dam length | 2535.0 m |
| Reservoir Area | 12570000.0 m ² |
| Gross storage capacity | 52600000.0 m ³ |
| Effective storage capacity | 47100000.0 m ³ |

CATCHMENT CHARACTERISTICS

| Catchment Properties | Values |
|-------------------------|-----------------------------|
| Area of catchment | 3.3 km ² |
| Perimeter of catchment | 7.7 km |
| Basin Length | 1857.7 m |
| Form factor | 0.95494 |
| Circularity ratio | 0.70042 |
| Elongation ratio | 1.10230 |
| Highest Stream order | 4 |
| Max elevation | 439.0 m |
| Min elevation | 391.0 m |
| Mean bifurcation ratio | 4.4127 |
| Stream frequency | 78.5870 per km ² |
| Relief | 48.00 m |
| Drainage density | 9.9920 km/km ² |
| Length of overland flow | 50.042 m |

CATCHMENT CLIMATOLOGY

