

Hiroo Dam

Location	24.1492° N, 84.9339° E
State	Jharkhand
Nearest City	Chatra
Year of Completion	1982
Operated and Maintained by	Jharkhand Water Resources Department
River Basin	Ganga
River	Hiroo.
Dam Type	Earthfill Embankment
Height above lowest foundation level	18.3 m
Dam length	971.0 m
Reservoir Area	1123810.0 m ²
Gross storage capacity	6232000.0 m ³
Effective storage capacity	5345000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	25.9 km ²
Perimeter of catchment	21.0 km
Basin Length	6803.6 m
Form factor	0.56036
Circularity ratio	0.74105
Elongation ratio	0.84439
Highest Stream order	6
Max elevation	629.0 m
Min elevation	444.0 m
Mean bifurcation ratio	4.1906
Stream frequency	79.1880 per km ²
Relief	185.00 m
Drainage density	10.7140 km/km ²
Length of overland flow	46.667 m

CATCHMENT CLIMATOLOGY

