

Punasi Dam

Location	24.4783° N, 86.5356° E
State	Jharkhand
Nearest City	Deoghar
Year of Completion	Not Available
Operated and Maintained by	Jharkhand Water Resources Department
River Basin	Ganga
River	Ajay
Dam Type	Earthfill Embankment
Height above lowest foundation level	21.5 m
Dam length	2133.6 m
Reservoir Area	24180000.0 m ²
Gross storage capacity	149800000.0 m ³
Effective storage capacity	113500000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	283.5 km ²
Perimeter of catchment	78.1 km
Basin Length	26994.0 m
Form factor	0.38911
Circularity ratio	0.58444
Elongation ratio	0.70363
Highest Stream order	7
Max elevation	351.0 m
Min elevation	244.0 m
Mean bifurcation ratio	2.3883
Stream frequency	74.3530 per km ²
Relief	107.00 m
Drainage density	9.9060 km/km ²
Length of overland flow	50.472 m

CATCHMENT CLIMATOLOGY

