

## Satpoka Dam

Location	22.3544° N, 85.1108° E
State	Jharkhand
Nearest City	Chakardharpur
Year of Completion	Not Available
Operated and Maintained by	Jharkhand Water Resources Department
River Basin	Brahmani
River	Potka
Dam Type	Earthfill Embankment
Height above lowest foundation level	24.4 m
Dam length	1281.0 m
Reservoir Area	50000.0 m <sup>2</sup>
Gross storage capacity	10600000.0 m <sup>3</sup>
Effective storage capacity	9300000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	36.0 km <sup>2</sup>
Perimeter of catchment	28.9 km
Basin Length	8809.3 m
Form factor	0.46432
Circularity ratio	0.54195
Elongation ratio	0.76863
Highest Stream order	6
Max elevation	502.0 m
Min elevation	215.0 m
Mean bifurcation ratio	2.3050
Stream frequency	79.7610 per km <sup>2</sup>
Relief	287.00 m
Drainage density	11.0390 km/km <sup>2</sup>
Length of overland flow	45.295 m

## CATCHMENT CLIMATOLOGY

