

## Piplai Dam

<b>Location</b>	23.2933° N, 77.8247° E
<b>State</b>	Madhya Pradesh
<b>Nearest City</b>	Raisen
<b>Year of Completion</b>	1998
<b>Operated and Maintained by</b>	Madhya Pradesh Water Resources Department
<b>River Basin</b>	Ganga
<b>River</b>	Local
<b>Dam Type</b>	Earthfill Embankment
<b>Height above lowest foundation level</b>	17.0 m
<b>Dam length</b>	418.0 m
<b>Reservoir Area</b>	347000.0 m <sup>2</sup>
<b>Gross storage capacity</b>	1920000.0 m <sup>3</sup>
<b>Effective storage capacity</b>	1800000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
<b>Area of catchment</b>	5.2 km <sup>2</sup>
<b>Perimeter of catchment</b>	12.0 km
<b>Basin Length</b>	3613.9 m
<b>Form factor</b>	0.40155
<b>Circularity ratio</b>	0.45597
<b>Elongation ratio</b>	0.71479
<b>Highest Stream order</b>	5
<b>Max elevation</b>	518.0 m
<b>Min elevation</b>	447.0 m
<b>Mean bifurcation ratio</b>	2.6630
<b>Stream frequency</b>	88.2870 per km <sup>2</sup>
<b>Relief</b>	71.00 m
<b>Drainage density</b>	12.3450 km/km <sup>2</sup>
<b>Length of overland flow</b>	40.502 m

## CATCHMENT CLIMATOLOGY

