

Panchwadi Dam

Location	15.2900° N, 74.1017° E
State	Goa
Nearest City	Ponda
Year of Completion	1989
Operated and Maintained by	Goa Water Resources Department
River Basin	West Coast
River	Zuari Nala
Dam Type	Earthfill Embankment
Height above lowest foundation level	20.0 m
Dam length	230.0 m
Reservoir Area	530000.0 m ²
Gross storage capacity	4470900.0 m ³
Effective storage capacity	4367100.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	4.7 km ²
Perimeter of catchment	10.4 km
Basin Length	2294.4 m
Form factor	0.89433
Circularity ratio	0.55087
Elongation ratio	1.06670
Highest Stream order	5
Max elevation	155.0 m
Min elevation	14.0 m
Mean bifurcation ratio	4.2336
Stream frequency	80.7150 per km ²
Relief	141.00 m
Drainage density	11.3870 km/km ²
Length of overland flow	43.910 m

CATCHMENT CLIMATOLOGY

