

Piranji Dam

Location	19.6231° N, 77.7992° E
State	Maharashtra
Nearest City	Umarkhed
Year of Completion	1976
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	Godavari
River	Piranji
Dam Type	Earthfill Embankment
Height above lowest foundation level	12.0 m
Dam length	460.0 m
Reservoir Area	452000.0 m ²
Gross storage capacity	1420000.0 m ³
Effective storage capacity	1340000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	8.8 km ²
Perimeter of catchment	14.4 km
Basin Length	4420.5 m
Form factor	0.44910
Circularity ratio	0.53442
Elongation ratio	0.75593
Highest Stream order	5
Max elevation	586.0 m
Min elevation	422.0 m
Mean bifurcation ratio	2.1913
Stream frequency	75.2080 per km ²
Relief	164.00 m
Drainage density	10.3200 km/km ²
Length of overland flow	48.448 m

CATCHMENT CLIMATOLOGY

