

Panihari Dam

Location	24.1689° N, 72.6506° E
State	Gujarat
Nearest City	Bk
Year of Completion	1968
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Tof Sarasvati
Dam Type	Earthfill Embankment
Height above lowest foundation level	15.2 m
Dam length	330.0 m
Reservoir Area	85922.0 m ²
Gross storage capacity	1134000.0 m ³
Effective storage capacity	1010000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	8.6 km ²
Perimeter of catchment	13.0 km
Basin Length	4437.1 m
Form factor	0.43806
Circularity ratio	0.64549
Elongation ratio	0.74658
Highest Stream order	4
Max elevation	761.0 m
Min elevation	240.0 m
Mean bifurcation ratio	2.7004
Stream frequency	93.1080 per km ²
Relief	521.00 m
Drainage density	13.6760 km/km ²
Length of overland flow	36.559 m

CATCHMENT CLIMATOLOGY

