

Pingali Dam

Location	21.4678° N, 71.9508° E
State	Gujarat
Nearest City	Talaja
Year of Completion	2009
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Utavali
Dam Type	Earthfill Embankment
Height above lowest foundation level	17.9 m
Dam length	1546.0 m
Reservoir Area	932900.0 m ²
Gross storage capacity	2120000.0 m ³
Effective storage capacity	1840000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	55.7 km ²
Perimeter of catchment	37.5 km
Basin Length	15212.0 m
Form factor	0.24084
Circularity ratio	0.49882
Elongation ratio	0.55357
Highest Stream order	6
Max elevation	176.0 m
Min elevation	17.0 m
Mean bifurcation ratio	2.0309
Stream frequency	74.5770 per km ²
Relief	159.00 m
Drainage density	9.9680 km/km ²
Length of overland flow	50.162 m

CATCHMENT CLIMATOLOGY

