

Panchavada Dam

Location	21.6889° N, 71.8844° E
State	Gujarat
Nearest City	Shihor
Year of Completion	1981
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Local Stream
Dam Type	Earthfill Embankment
Height above lowest foundation level	13.7 m
Dam length	554.0 m
Reservoir Area	90000.0 m ²
Gross storage capacity	625000.0 m ³
Effective storage capacity	625000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	7.4 km ²
Perimeter of catchment	13.6 km
Basin Length	5284.5 m
Form factor	0.26570
Circularity ratio	0.50711
Elongation ratio	0.58144
Highest Stream order	4
Max elevation	146.0 m
Min elevation	58.0 m
Mean bifurcation ratio	2.2175
Stream frequency	75.0680 per km ²
Relief	88.00 m
Drainage density	9.7240 km/km ²
Length of overland flow	51.420 m

CATCHMENT CLIMATOLOGY

