

Vasatava Dam

Location	23.4111° N, 70.5861° E
State	Gujarat
Nearest City	Bhachau
Year of Completion	1964
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Khari River
Dam Type	Earthfill Embankment
Height above lowest foundation level	22.0 m
Dam length	157.0 m
Reservoir Area	303480.0 m ²
Gross storage capacity	1960000.0 m ³
Effective storage capacity	1740000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	17.5 km ²
Perimeter of catchment	19.6 km
Basin Length	4791.7 m
Form factor	0.76172
Circularity ratio	0.57474
Elongation ratio	0.98448
Highest Stream order	5
Max elevation	196.0 m
Min elevation	88.0 m
Mean bifurcation ratio	4.2967
Stream frequency	80.5640 per km ²
Relief	108.00 m
Drainage density	10.9990 km/km ²
Length of overland flow	45.458 m

CATCHMENT CLIMATOLOGY

