

Bhukhi Dam

Location	23.4286° N, 69.3594° E
State	Gujarat
Nearest City	Nakhatrana
Year of Completion	1987
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Bhukhi
Dam Type	Earthfill Embankment
Height above lowest foundation level	23.4 m
Dam length	1550.0 m
Reservoir Area	2700000.0 m ²
Gross storage capacity	15580000.0 m ³
Effective storage capacity	14580000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	161.0 km ²
Perimeter of catchment	68.0 km
Basin Length	22155.0 m
Form factor	0.32801
Circularity ratio	0.43784
Elongation ratio	0.64603
Highest Stream order	7
Max elevation	276.0 m
Min elevation	52.0 m
Mean bifurcation ratio	2.3279
Stream frequency	77.5090 per km ²
Relief	224.00 m
Drainage density	10.4160 km/km ²
Length of overland flow	48.002 m

CATCHMENT CLIMATOLOGY

