

Fakirwadi Dam

Location	23.1986° N, 69.6225° E
State	Gujarat
Nearest City	Bhuj
Year of Completion	1913
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Local Stream
Dam Type	Earthfill Embankment
Height above lowest foundation level	18.1 m
Dam length	408.0 m
Reservoir Area	94140.0 m ²
Gross storage capacity	980000.0 m ³
Effective storage capacity	980000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	3.2 km ²
Perimeter of catchment	7.9 km
Basin Length	2540.6 m
Form factor	0.48816
Circularity ratio	0.63844
Elongation ratio	0.78812
Highest Stream order	3
Max elevation	219.0 m
Min elevation	128.0 m
Mean bifurcation ratio	2.5570
Stream frequency	84.4180 per km ²
Relief	91.00 m
Drainage density	11.5050 km/km ²
Length of overland flow	43.460 m

CATCHMENT CLIMATOLOGY

