

## Kalakhetra Dam

Location	24.3381° N, 73.1447° E
State	Gujarat
Nearest City	Khedbrahma
Year of Completion	1988
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Wangha
Dam Type	Earthfill Embankment
Height above lowest foundation level	18.0 m
Dam length	135.0 m
Reservoir Area	42255.0 m <sup>2</sup>
Gross storage capacity	487000.0 m <sup>3</sup>
Effective storage capacity	430000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	4.7 km <sup>2</sup>
Perimeter of catchment	10.0 km
Basin Length	3579.1 m
Form factor	0.36480
Circularity ratio	0.58961
Elongation ratio	0.68130
Highest Stream order	5
Max elevation	363.0 m
Min elevation	282.0 m
Mean bifurcation ratio	2.1679
Stream frequency	74.4700 per km <sup>2</sup>
Relief	81.00 m
Drainage density	9.2060 km/km <sup>2</sup>
Length of overland flow	54.315 m

## CATCHMENT CLIMATOLOGY

