

## Mitti Dam

Location	23.3336° N, 68.8311° E
State	Gujarat
Nearest City	Abdasa
Year of Completion	1983
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Mitti
Dam Type	Earthfill Embankment
Height above lowest foundation level	31.5 m
Dam length	4405.0 m
Reservoir Area	5780000.0 m <sup>2</sup>
Gross storage capacity	17400000.0 m <sup>3</sup>
Effective storage capacity	14720000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	497.0 km <sup>2</sup>
Perimeter of catchment	115.1 km
Basin Length	41400.0 m
Form factor	0.28999
Circularity ratio	0.47141
Elongation ratio	0.60744
Highest Stream order	7
Max elevation	215.0 m
Min elevation	10.0 m
Mean bifurcation ratio	2.7575
Stream frequency	72.5040 per km <sup>2</sup>
Relief	205.00 m
Drainage density	9.5420 km/km <sup>2</sup>
Length of overland flow	52.401 m

## CATCHMENT CLIMATOLOGY

