

## Kuvadwa Dam

Location	22.3739° N, 70.9514° E
State	Gujarat
Nearest City	Rajkot
Year of Completion	1908
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	T-Machhu
Dam Type	Earthfill Embankment
Height above lowest foundation level	16.0 m
Dam length	534.0 m
Reservoir Area	1580000.0 m <sup>2</sup>
Gross storage capacity	1900000.0 m <sup>3</sup>
Effective storage capacity	755000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	19.1 km <sup>2</sup>
Perimeter of catchment	19.7 km
Basin Length	6576.9 m
Form factor	0.44203
Circularity ratio	0.61765
Elongation ratio	0.74996
Highest Stream order	5
Max elevation	204.0 m
Min elevation	153.0 m
Mean bifurcation ratio	2.2098
Stream frequency	74.0050 per km <sup>2</sup>
Relief	51.00 m
Drainage density	9.5630 km/km <sup>2</sup>
Length of overland flow	52.284 m

## CATCHMENT CLIMATOLOGY

