

## Badi-Padva Dam

Location	21.6008° N, 72.1992° E
State	Gujarat
Nearest City	Ghogha
Year of Completion	1947
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Maleshri
Dam Type	Earthfill Embankment
Height above lowest foundation level	15.0 m
Dam length	774.7 m
Reservoir Area	901490.0 m <sup>2</sup>
Gross storage capacity	2560000.0 m <sup>3</sup>
Effective storage capacity	2560000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	64.7 km <sup>2</sup>
Perimeter of catchment	33.1 km
Basin Length	12009.0 m
Form factor	0.44829
Circularity ratio	0.74232
Elongation ratio	0.75525
Highest Stream order	6
Max elevation	255.0 m
Min elevation	40.0 m
Mean bifurcation ratio	2.4498
Stream frequency	71.7220 per km <sup>2</sup>
Relief	215.00 m
Drainage density	9.5120 km/km <sup>2</sup>
Length of overland flow	52.564 m

## CATCHMENT CLIMATOLOGY

Data not available.