

## Prempara Dam

Location	21.2572° N, 70.7119° E
State	Gujarat
Nearest City	Visavadar
Year of Completion	2004
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Dhrokadava Vonkla
Dam Type	Other
Height above lowest foundation level	18.5 m
Dam length	955.0 m
Reservoir Area	1275000.0 m <sup>2</sup>
Gross storage capacity	1330000.0 m <sup>3</sup>
Effective storage capacity	1277000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	4.6 km <sup>2</sup>
Perimeter of catchment	10.3 km
Basin Length	3835.0 m
Form factor	0.31369
Circularity ratio	0.54403
Elongation ratio	0.63177
Highest Stream order	4
Max elevation	288.0 m
Min elevation	183.0 m
Mean bifurcation ratio	2.5096
Stream frequency	83.2360 per km <sup>2</sup>
Relief	105.00 m
Drainage density	11.0780 km/km <sup>2</sup>
Length of overland flow	45.136 m

## CATCHMENT CLIMATOLOGY

