

Bhempura Dam

Location	23.4181° N, 73.0092° E
State	Gujarat
Nearest City	Malpur
Year of Completion	1980
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Local Vangha
Dam Type	Earthfill Embankment
Height above lowest foundation level	15.5 m
Dam length	830.0 m
Reservoir Area	23658.0 m ²
Gross storage capacity	1110000.0 m ³
Effective storage capacity	960000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	3.7 km ²
Perimeter of catchment	7.8 km
Basin Length	2684.3 m
Form factor	0.51447
Circularity ratio	0.75868
Elongation ratio	0.80908
Highest Stream order	4
Max elevation	140.0 m
Min elevation	123.0 m
Mean bifurcation ratio	3.4562
Stream frequency	78.2320 per km ²
Relief	17.00 m
Drainage density	9.6220 km/km ²
Length of overland flow	51.964 m

CATCHMENT CLIMATOLOGY

