

Bavka Dam

Location	22.7756° N, 74.1806° E
State	Gujarat
Nearest City	Dahod
Year of Completion	1986
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Mahi
River	Kotar
Dam Type	Earthfill Embankment
Height above lowest foundation level	27.0 m
Dam length	630.0 m
Reservoir Area	180000.0 m ²
Gross storage capacity	1393000.0 m ³
Effective storage capacity	1193000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	7.6 km ²
Perimeter of catchment	13.3 km
Basin Length	4765.4 m
Form factor	0.33373
Circularity ratio	0.54087
Elongation ratio	0.65164
Highest Stream order	4
Max elevation	401.0 m
Min elevation	337.0 m
Mean bifurcation ratio	2.3424
Stream frequency	78.5090 per km ²
Relief	64.00 m
Drainage density	10.5390 km/km ²
Length of overland flow	47.444 m

CATCHMENT CLIMATOLOGY

