

Vamaka Dam

Location	23.4247° N, 70.4336° E
State	Gujarat
Nearest City	Bhachau
Year of Completion	1963
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Vamaka
Dam Type	Earthfill Embankment
Height above lowest foundation level	21.3 m
Dam length	183.0 m
Reservoir Area	47770.0 m ²
Gross storage capacity	680000.0 m ³
Effective storage capacity	680000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	5.3 km ²
Perimeter of catchment	9.4 km
Basin Length	2958.7 m
Form factor	0.60726
Circularity ratio	0.75110
Elongation ratio	0.87902
Highest Stream order	5
Max elevation	132.0 m
Min elevation	79.0 m
Mean bifurcation ratio	2.2411
Stream frequency	78.8190 per km ²
Relief	53.00 m
Drainage density	10.3000 km/km ²
Length of overland flow	48.544 m

CATCHMENT CLIMATOLOGY

