

Bamanbore Dam

Location	22.3922° N, 71.0500° E
State	Gujarat
Nearest City	Chotila
Year of Completion	1974
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	T-Machhu
Dam Type	Earthfill Embankment
Height above lowest foundation level	15.0 m
Dam length	286.0 m
Reservoir Area	338000.0 m ²
Gross storage capacity	2089000.0 m ³
Effective storage capacity	1840000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	26.1 km ²
Perimeter of catchment	28.4 km
Basin Length	9714.3 m
Form factor	0.27705
Circularity ratio	0.40638
Elongation ratio	0.59372
Highest Stream order	5
Max elevation	320.0 m
Min elevation	177.0 m
Mean bifurcation ratio	2.2178
Stream frequency	76.8050 per km ²
Relief	143.00 m
Drainage density	10.3660 km/km ²
Length of overland flow	48.234 m

CATCHMENT CLIMATOLOGY

