

Thebi Dam

Location	21.6244° N, 71.2139° E
State	Gujarat
Nearest City	Amreli
Year of Completion	1996
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Thebi
Dam Type	Earthfill Embankment
Height above lowest foundation level	21.1 m
Dam length	4543.4 m
Reservoir Area	5807500.0 m ²
Gross storage capacity	10650000.0 m ³
Effective storage capacity	9980000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	230.9 km ²
Perimeter of catchment	77.8 km
Basin Length	30241.0 m
Form factor	0.25248
Circularity ratio	0.47967
Elongation ratio	0.56679
Highest Stream order	7
Max elevation	204.0 m
Min elevation	109.0 m
Mean bifurcation ratio	2.2985
Stream frequency	66.0190 per km ²
Relief	95.00 m
Drainage density	8.2730 km/km ²
Length of overland flow	60.438 m

CATCHMENT CLIMATOLOGY

