

Anandapar Dam

Location	22.4125° N, 70.7336° E
State	Gujarat
Nearest City	Morbi
Year of Completion	1975
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	T-Aji
Dam Type	Earthfill Embankment
Height above lowest foundation level	16.8 m
Dam length	620.0 m
Reservoir Area	1870000.0 m ²
Gross storage capacity	3460000.0 m ³
Effective storage capacity	2890000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	52.0 km ²
Perimeter of catchment	36.2 km
Basin Length	13774.0 m
Form factor	0.27393
Circularity ratio	0.49960
Elongation ratio	0.59038
Highest Stream order	5
Max elevation	152.0 m
Min elevation	86.0 m
Mean bifurcation ratio	2.1521
Stream frequency	69.2740 per km ²
Relief	66.00 m
Drainage density	8.8230 km/km ²
Length of overland flow	56.668 m

CATCHMENT CLIMATOLOGY

