

Adhoi-I Dam

Location	23.4222° N, 70.5228° E
State	Gujarat
Nearest City	Bhachau
Year of Completion	1973
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Adhoi
Dam Type	Earthfill Embankment
Height above lowest foundation level	11.9 m
Dam length	783.0 m
Reservoir Area	470900.0 m ²
Gross storage capacity	1540000.0 m ³
Effective storage capacity	1248000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	25.1 km ²
Perimeter of catchment	23.8 km
Basin Length	8544.7 m
Form factor	0.34429
Circularity ratio	0.55951
Elongation ratio	0.66187
Highest Stream order	5
Max elevation	206.0 m
Min elevation	101.0 m
Mean bifurcation ratio	2.3363
Stream frequency	80.1600 per km ²
Relief	105.00 m
Drainage density	11.0860 km/km ²
Length of overland flow	45.103 m

CATCHMENT CLIMATOLOGY

