

Dhrafad Dam

Location	21.3464° N, 70.7053° E
State	Gujarat
Nearest City	Visavadar
Year of Completion	1997
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Dhrafad
Dam Type	Earthfill Embankment
Height above lowest foundation level	16.1 m
Dam length	3785.0 m
Reservoir Area	2925000.0 m ²
Gross storage capacity	9620000.0 m ³
Effective storage capacity	9287000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	177.1 km ²
Perimeter of catchment	63.4 km
Basin Length	22024.0 m
Form factor	0.36506
Circularity ratio	0.55427
Elongation ratio	0.68154
Highest Stream order	7
Max elevation	425.0 m
Min elevation	104.0 m
Mean bifurcation ratio	4.4789
Stream frequency	75.3880 per km ²
Relief	321.00 m
Drainage density	10.3220 km/km ²
Length of overland flow	48.440 m

CATCHMENT CLIMATOLOGY

