

Kaniyad Dam

Location	22.2392° N, 71.6264° E
State	Gujarat
Nearest City	Botad
Year of Completion	1999
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Utavali
Dam Type	Earthfill Embankment
Height above lowest foundation level	21.0 m
Dam length	4181.0 m
Reservoir Area	1750000.0 m ²
Gross storage capacity	2930000.0 m ³
Effective storage capacity	2630000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	33.1 km ²
Perimeter of catchment	32.4 km
Basin Length	11582.0 m
Form factor	0.24662
Circularity ratio	0.39648
Elongation ratio	0.56018
Highest Stream order	5
Max elevation	157.0 m
Min elevation	98.0 m
Mean bifurcation ratio	2.5825
Stream frequency	71.9370 per km ²
Relief	59.00 m
Drainage density	9.4030 km/km ²
Length of overland flow	53.174 m

CATCHMENT CLIMATOLOGY

