

Kankawati Dam

Location	23.1644° N, 69.1333° E
State	Gujarat
Nearest City	Abdasa
Year of Completion	1956
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Kankawati
Dam Type	Earthfill Embankment
Height above lowest foundation level	23.5 m
Dam length	2164.0 m
Reservoir Area	3540000.0 m ²
Gross storage capacity	14610000.0 m ³
Effective storage capacity	13250000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	208.9 km ²
Perimeter of catchment	71.4 km
Basin Length	24212.0 m
Form factor	0.35634
Circularity ratio	0.51472
Elongation ratio	0.67335
Highest Stream order	7
Max elevation	377.0 m
Min elevation	72.0 m
Mean bifurcation ratio	9.4482
Stream frequency	77.0590 per km ²
Relief	305.00 m
Drainage density	10.4780 km/km ²
Length of overland flow	47.719 m

CATCHMENT CLIMATOLOGY

