

Kankawati Dam

Location	23.0572° N, 71.3428° E
State	Gujarat
Nearest City	Surendra Nagar
Year of Completion	1976
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Godra
Dam Type	Earthfill Embankment
Height above lowest foundation level	14.0 m
Dam length	2982.0 m
Reservoir Area	1799408.0 m ²
Gross storage capacity	2447000.0 m ³
Effective storage capacity	1907000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	68.0 km ²
Perimeter of catchment	39.7 km
Basin Length	13081.0 m
Form factor	0.39746
Circularity ratio	0.54317
Elongation ratio	0.71114
Highest Stream order	6
Max elevation	79.0 m
Min elevation	30.0 m
Mean bifurcation ratio	2.0915
Stream frequency	69.8760 per km ²
Relief	49.00 m
Drainage density	8.9060 km/km ²
Length of overland flow	56.143 m

CATCHMENT CLIMATOLOGY

