

Kushnagadh Dam

Location	21.1806° N, 71.2997° E
State	Gujarat
Nearest City	S.Kundala
Year of Completion	Not Available
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Local Stream
Dam Type	Earthfill Embankment
Height above lowest foundation level	15.5 m
Dam length	735.0 m
Reservoir Area	70000.0 m ²
Gross storage capacity	1980000.0 m ³
Effective storage capacity	1690000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	25.0 km ²
Perimeter of catchment	22.6 km
Basin Length	7647.5 m
Form factor	0.42779
Circularity ratio	0.61838
Elongation ratio	0.73778
Highest Stream order	5
Max elevation	416.0 m
Min elevation	174.0 m
Mean bifurcation ratio	2.2345
Stream frequency	73.0240 per km ²
Relief	242.00 m
Drainage density	9.4260 km/km ²
Length of overland flow	53.046 m

CATCHMENT CLIMATOLOGY

