

Burkhan Dam

Location	23.2550° N, 68.7381° E
State	Gujarat
Nearest City	Abdasa
Year of Completion	1964
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Burkhan
Dam Type	Earthfill Embankment
Height above lowest foundation level	16.0 m
Dam length	927.0 m
Reservoir Area	1168918.0 m ²
Gross storage capacity	2690000.0 m ³
Effective storage capacity	2690000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	135.7 km ²
Perimeter of catchment	72.1 km
Basin Length	28502.0 m
Form factor	0.16708
Circularity ratio	0.32819
Elongation ratio	0.46107
Highest Stream order	6
Max elevation	75.0 m
Min elevation	3.0 m
Mean bifurcation ratio	2.1408
Stream frequency	72.4750 per km ²
Relief	72.00 m
Drainage density	9.3430 km/km ²
Length of overland flow	53.519 m

CATCHMENT CLIMATOLOGY

