

Butta Dam

Location	23.4000° N, 68.8661° E
State	Gujarat
Nearest City	Abdasa
Year of Completion	1973
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Local Stream
Dam Type	Earthfill Embankment
Height above lowest foundation level	12.2 m
Dam length	668.0 m
Reservoir Area	545420.0 m ²
Gross storage capacity	1690000.0 m ³
Effective storage capacity	1440000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	24.9 km ²
Perimeter of catchment	23.4 km
Basin Length	7359.3 m
Form factor	0.46028
Circularity ratio	0.57393
Elongation ratio	0.76528
Highest Stream order	5
Max elevation	74.0 m
Min elevation	22.0 m
Mean bifurcation ratio	2.7576
Stream frequency	71.4440 per km ²
Relief	52.00 m
Drainage density	9.2980 km/km ²
Length of overland flow	53.774 m

CATCHMENT CLIMATOLOGY

