

Mobhness Dam

Location	21.1312° N, 71.2119° E
State	Gujarat
Nearest City	Khamba
Year of Completion	1983
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Ghataprabha
Dam Type	Earthfill Embankment
Height above lowest foundation level	20.5 m
Dam length	380.0 m
Reservoir Area	9000000.0 m ²
Gross storage capacity	16170000.0 m ³
Effective storage capacity	15420000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	71.9 km ²
Perimeter of catchment	37.7 km
Basin Length	10735.0 m
Form factor	0.62434
Circularity ratio	0.63643
Elongation ratio	0.89129
Highest Stream order	6
Max elevation	385.0 m
Min elevation	214.0 m
Mean bifurcation ratio	2.3670
Stream frequency	73.7640 per km ²
Relief	171.00 m
Drainage density	9.8190 km/km ²
Length of overland flow	50.922 m

CATCHMENT CLIMATOLOGY

