

Machhu li Dam

Location	22.7631° N, 70.8672° E
State	Gujarat
Nearest City	Morbi
Year of Completion	1989
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Machhu
Dam Type	Other
Height above lowest foundation level	25.0 m
Dam length	5125.0 m
Reservoir Area	13962000.0 m ²
Gross storage capacity	100550000.0 m ³
Effective storage capacity	90790000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	2008.1 km ²
Perimeter of catchment	244.1 km
Basin Length	80238.0 m
Form factor	0.31191
Circularity ratio	0.42367
Elongation ratio	0.62997
Highest Stream order	8
Max elevation	338.0 m
Min elevation	40.0 m
Mean bifurcation ratio	3.1681
Stream frequency	72.8790 per km ²
Relief	298.00 m
Drainage density	9.6950 km/km ²
Length of overland flow	51.573 m

CATCHMENT CLIMATOLOGY

