

Machhu Iii Dam

Location	22.8706° N, 70.8119° E
State	Gujarat
Nearest City	S.Kundala
Year of Completion	Not Available
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Jamvali
Dam Type	Other
Height above lowest foundation level	12.0 m
Dam length	650.0 m
Reservoir Area	150000.0 m ²
Gross storage capacity	7990000.0 m ³
Effective storage capacity	6460000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	2168.2 km ²
Perimeter of catchment	267.1 km
Basin Length	94523.0 m
Form factor	0.24267
Circularity ratio	0.38210
Elongation ratio	0.55567
Highest Stream order	9
Max elevation	338.0 m
Min elevation	18.0 m
Mean bifurcation ratio	2.3561
Stream frequency	72.9020 per km ²
Relief	320.00 m
Drainage density	9.6930 km/km ²
Length of overland flow	51.582 m

CATCHMENT CLIMATOLOGY

