

Maghardi Dam

Location	21.2756° N, 70.6092° E
State	Gujarat
Nearest City	Visavadar
Year of Completion	2009
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Machhu
Dam Type	Other
Height above lowest foundation level	23.5 m
Dam length	940.0 m
Reservoir Area	374800.0 m ²
Gross storage capacity	1610000.0 m ³
Effective storage capacity	1480000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	13.5 km ²
Perimeter of catchment	16.4 km
Basin Length	5406.4 m
Form factor	0.46095
Circularity ratio	0.62879
Elongation ratio	0.76583
Highest Stream order	5
Max elevation	254.0 m
Min elevation	147.0 m
Mean bifurcation ratio	2.1798
Stream frequency	76.7460 per km ²
Relief	107.00 m
Drainage density	10.4930 km/km ²
Length of overland flow	47.649 m

CATCHMENT CLIMATOLOGY

