

Fodaraness Dam

Location	21.7917° N, 69.7783° E
State	Gujarat
Nearest City	Ranavav
Year of Completion	1972
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Billeshtar
Dam Type	Earthfill Embankment
Height above lowest foundation level	26.5 m
Dam length	3350.0 m
Reservoir Area	6502000.0 m ²
Gross storage capacity	23643000.0 m ³
Effective storage capacity	22250000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	70.8 km ²
Perimeter of catchment	40.4 km
Basin Length	10016.0 m
Form factor	0.70554
Circularity ratio	0.54610
Elongation ratio	0.94748
Highest Stream order	6
Max elevation	584.0 m
Min elevation	71.0 m
Mean bifurcation ratio	2.4093
Stream frequency	84.6080 per km ²
Relief	513.00 m
Drainage density	12.1770 km/km ²
Length of overland flow	41.060 m

CATCHMENT CLIMATOLOGY

