

Vagas Dam

Location	23.1161° N, 73.1319° E
State	Gujarat
Nearest City	Kapadvanj
Year of Completion	1978
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Vehla
Dam Type	Earthfill Embankment
Height above lowest foundation level	10.0 m
Dam length	3414.0 m
Reservoir Area	520596.0 m ²
Gross storage capacity	1024000.0 m ³
Effective storage capacity	936000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	140.4 km ²
Perimeter of catchment	66.1 km
Basin Length	27483.0 m
Form factor	0.18583
Circularity ratio	0.40327
Elongation ratio	0.48626
Highest Stream order	6
Max elevation	167.0 m
Min elevation	74.0 m
Mean bifurcation ratio	2.0489
Stream frequency	73.2760 per km ²
Relief	93.00 m
Drainage density	9.6360 km/km ²
Length of overland flow	51.890 m

CATCHMENT CLIMATOLOGY

