

Jadawas Dam

Location	23.4106° N, 69.6450° E
State	Gujarat
Nearest City	Rapar
Year of Completion	1961
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Local Stream
Dam Type	Earthfill Embankment
Height above lowest foundation level	13.9 m
Dam length	883.0 m
Reservoir Area	49603.0 m ²
Gross storage capacity	2420000.0 m ³
Effective storage capacity	2420000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	10.6 km ²
Perimeter of catchment	19.7 km
Basin Length	7595.1 m
Form factor	0.18434
Circularity ratio	0.34525
Elongation ratio	0.48430
Highest Stream order	5
Max elevation	118.0 m
Min elevation	16.0 m
Mean bifurcation ratio	2.3171
Stream frequency	81.2520 per km ²
Relief	102.00 m
Drainage density	11.0500 km/km ²
Length of overland flow	45.247 m

CATCHMENT CLIMATOLOGY

