

Bangawadi Dam

Location	22.6175° N, 70.6114° E
State	Gujarat
Nearest City	Padadhari
Year of Completion	1985
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	T-Aji
Dam Type	Other
Height above lowest foundation level	17.6 m
Dam length	2884.0 m
Reservoir Area	2080000.0 m ²
Gross storage capacity	4940000.0 m ³
Effective storage capacity	4700000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	93.6 km ²
Perimeter of catchment	45.4 km
Basin Length	16736.0 m
Form factor	0.33429
Circularity ratio	0.56996
Elongation ratio	0.65218
Highest Stream order	6
Max elevation	105.0 m
Min elevation	35.0 m
Mean bifurcation ratio	2.1142
Stream frequency	68.0210 per km ²
Relief	70.00 m
Drainage density	8.6920 km/km ²
Length of overland flow	57.523 m

CATCHMENT CLIMATOLOGY

