

Nagyasakya Dam

Location	20.3501° N, 74.6044° E
State	Maharashtra
Nearest City	Malegaon
Year of Completion	1992
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	Tapi
River	Panzan
Dam Type	Earthfill Embankment
Height above lowest foundation level	23.1 m
Dam length	1440.0 m
Reservoir Area	2993000.0 m ²
Gross storage capacity	15560000.0 m ³
Effective storage capacity	11240000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	450.5 km ²
Perimeter of catchment	108.5 km
Basin Length	35398.0 m
Form factor	0.35949
Circularity ratio	0.48076
Elongation ratio	0.67632
Highest Stream order	7
Max elevation	904.0 m
Min elevation	469.0 m
Mean bifurcation ratio	2.3198
Stream frequency	74.5810 per km ²
Relief	435.00 m
Drainage density	10.2320 km/km ²
Length of overland flow	48.866 m

CATCHMENT CLIMATOLOGY

