

## Osman Sagar Dam

Location	17.3792° N, 78.3158° E
State	Telangana
Nearest City	Rajendra Nagar
Year of Completion	1920
Operated and Maintained by	Telangana Irrigation and CAD Department
River Basin	Krishna
River	Musi
Dam Type	Other
Height above lowest foundation level	41.0 m
Dam length	2630.0 m
Reservoir Area	18188273.0 m <sup>2</sup>
Gross storage capacity	156902000.0 m <sup>3</sup>
Effective storage capacity	124200000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	745.3 km <sup>2</sup>
Perimeter of catchment	164.1 km
Basin Length	52105.0 m
Form factor	0.27452
Circularity ratio	0.34780
Elongation ratio	0.59101
Highest Stream order	7
Max elevation	718.0 m
Min elevation	510.0 m
Mean bifurcation ratio	2.1338
Stream frequency	73.8890 per km <sup>2</sup>
Relief	208.00 m
Drainage density	10.2880 km/km <sup>2</sup>
Length of overland flow	48.599 m

## CATCHMENT CLIMATOLOGY

