

Pedda Cheru, Soan Dam

Location	19.0381° N, 78.3822° E
State	Telangana
Nearest City	Nirmal
Year of Completion	Not Available
Operated and Maintained by	Telangana Irrigation and CAD Department
River Basin	Godavari
River	Gharaparbha
Dam Type	Earthfill Embankment
Height above lowest foundation level	10.0 m
Dam length	1506.0 m
Reservoir Area	800000.0 m ²
Gross storage capacity	6314650.0 m ³
Effective storage capacity	5683700.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	42.7 km ²
Perimeter of catchment	37.0 km
Basin Length	13774.0 m
Form factor	0.22496
Circularity ratio	0.39150
Elongation ratio	0.53501
Highest Stream order	6
Max elevation	446.0 m
Min elevation	306.0 m
Mean bifurcation ratio	2.2377
Stream frequency	75.3760 per km ²
Relief	140.00 m
Drainage density	10.3800 km/km ²
Length of overland flow	48.169 m

CATCHMENT CLIMATOLOGY

