

NAGPUR MUNICIPAL CORPORATION

(Pench Project Cell)

**REJUVENATION OF
RIVERS AND LAKES**

Rivers flowing through Nagpur City

■ Pili River

- Originates from Gorewada lake and meets
- Total length is 16.11 Kms.
- Its width varies from 15.0 Mtrs. To 25.0 Mtrs.
- Average Depth is 5.0 Mtrs.

■ Nag River

- Originates from Ambazri lake.
- Total length is 15.73 Kms.
- Its width varies from 20.0 Mtrs. To 30.0 Mtrs.
- Average Depth is 6.0 Mtrs.

Lakes in Nagpur City

Sr. No.	Name of the Lake	Capacity (in Sq. Kms.)
1	Gorewada	1.01
2	Futala	0.40
3	Ambazari	1.185
4	Sonegaon	0.150
5	Sakkardara	0.105
6	Gandhisagar	0.181
7	Lendi Talao	0.045
8	Naik Talao	0.037
9	Dob Talao	0.020

Sewage Generation in Nagpur City

Year	Total sewage generation (in MLD)	Sewage Treated (in MLD)
2005	279	60
2011	323	73
2021	440	107
2031	596	153

Quantity of Sewage not collected and treated is 209 MLD.

Pollution of Rivers and Lakes

Rivers and Lakes are getting polluted due to

- Number of Sewers are directly connected to the Rivers and Lakes.
- Inadequate collection system within the City leads to pollution.
- Inadequate sewage treatment facility.
- People are disposing debris in the River.

Rejuvenation of Rivers and Lakes

- Cutting off direct sewer connections to Rivers & Lakes.
- Promoting Decentralized Waste Water Treatment Plant (DEWATTS) along the river course and near the lakes or
- Using holding capacity of the Rivers as a treatment facility. This can be thought of due to land constraints.
- As a part of rejuvenation greenery can be developed on vacant spaces.

Block Estimate of Rejuvenation of Rivers & Lakes

Cost of erection of DEWATTS plant	Rs. 10.00 Lakhs /20 M ³
Cost required for treating uncollected waste water in 2011. ({323 – 70 - 100}= 153 MLD) i.e. 153000 M ³	Rs. 765.00 Crores

- **Proposal of DEWATTS seems to be costly ?**
- **We may have to call for options from experts.**

Vision

- **Water bodies to be pollution free.**

EASE OUT.....!