Census Survey of Water Bodies in Ganga Basin

1st February 2021
QCI is an autonomous body established by Government of India in partnership with premier Industry Associations (ASSOCHAM, CII and FICCI).

**About Us**

- A strategic partner
  - QCI has been a strategic and preferred partner in ensuring the success of critical government schemes in various areas.
  - QCI was instrumental in realizing the status of ODF free India by October 02\textsuperscript{nd} of 2019

- Accreditation Bodies & Certification Bodies
  - QCI possess the unique leverage of accredited IB/CB operating under its ambit across India
  - The experience and expertise of bodies like NABL, NABCB, NABH, NABET and NBQP adds to our advantage

- Pan-India presence
  - QCI implements a diverse portfolio of government projects (both center and state) across various geographies
  - Successful Implementation of PAN-India projects like ODF/ODF+/ODF++, NCST, etc.
The purpose of the study is to do a 100% mapping of all government owned water bodies in Ganga districts for improvement/rejuvenation of water bodies which are either dried up or working at less than full efficiency.

**Objectives**

**Mapping of water Bodies**
All water bodies will be geotagged using handheld device and the Depth Measurement Device by the Team A and Team B will be using Drones to extract circumference and map every Govt. owned Water Bodies.

**Coding of water body Mapping**
All water bodies will be given unique identification codes based on a coding algorithm.

**Water body cleanliness Index**
An index will be formed on the parameters such as encroachment, Quality, Functionality, Catchment area etc.
STATE-WISE COMPLETION STATUS

Uttar Pradesh
Team A assessment for Uttar Pradesh has been closed and 35% of the villages in UP has water bodies.

Jharkhand
Team A has initiated the assessment on 14th Jan 2021 and completed 67% villages and in the state. Out of the assessed villages 43% of the villages were found with water body.

Uttarakhand
Team A has just started the assessment of state from Haridwar district and as of now 50% of the assessed villages have waterbodies.

Bihar
Team A has completed 70% of the total villages in with only 33% villages have to waterbodies.

West Bengal
Team A has started the ground trothing from 22th Dec 2020 and as of now only 18% villages has been assessed out of which 23% of the villages have waterbodies.
OVERALL KEY-FINDINGS

Water Bodies Assessed: 578
- Ponds Assessed: 96%
- Kunds Assessed: 2%
- Lakes Assessed: 2%

Water Bodies were Dried Up: 28%
Water Bodies were functional: 56%
Water Bodies were Eutrophied: 16%
Water Bodies are surrounded by Settlement: 411
State Wise Key Findings
329 Water Bodies Assessed

37% water Bodies were Dried Up

42% Water Bodies were functional

21% Water Bodies Were Eutrophied

93% of the assessed Water bodies don’t have any type of fencing.

53% of the assessed Functional Water bodies were found to be not turbid.

48% of the assessed Water bodies were having traces of solid Waste around them.

69% Water Bodies are surrounded by Settlement

Ghazipur District has maximum number of Functional Water Bodies

Bhadohi District has maximum number of Eutrophied Water Bodies

*State Closed*
53 Water Bodies Assessed

13% water Bodies were Dried Up

72% Water Bodies were Functional

15% Water Bodies Were Eutrophied

96% of the assessed Water bodies don’t have any type of fencing.

89% of the assessed Functional Water bodies were found to be not turbid.

85% of the assessed Water bodies were having traces of solid Waste around them.

73% Water Bodies are surrounded by Settlement

Barharwa Block has maximum number of Functional Water Bodies

Taljhari Block has maximum number of Eutrophied Water Bodies

*State Closed*
**BIHAR**

- 39 Water Bodies Assessed
- 31% Water Bodies were Dried Up
- 38% Water Bodies were functional
- 31% Water Bodies Were Eutrophied

- **95%** of the assessed Water bodies don’t have any type of fencing.
- **22%** of the assessed Functional Water bodies were found to be not turbid.
- **23%** of the assessed Water bodies were having traces of solid Waste around them.
- **95%** Water Bodies are surrounded by Settlement

*Lakhisarai District has maximum number of Functional Water Bodies*

*Munger District has maximum number of Eutrophied Water Bodies*

*The key findings are only for 3 districts.*
90% of the assessed Water bodies don’t have any type of fencing.

60% of the assessed Functional Water bodies were found to be not turbid.

63% of the assessed Water bodies were having traces of solid Waste around them.

69% Water Bodies are surrounded by Settlement

*The key findings are only for 2 districts.*
10% of the assessed Water bodies don’t have any type of fencing.

50% of the assessed Functional Water bodies were found to be not turbid.

30% of the assessed Water bodies were having traces of solid Waste around them.

80% Water Bodies are surrounded by Settlement

*The data represented is only for Haridwar*
As we are suppose to start the assessment in month March 2020, but due to Covid-19 it got started in the month of November 2020, and due which the cost of assessing the Water bodies via Drone is increased. Till now we are able to finish Uttar Pradesh and faced common challenge in every state which is lack of official support while assessing the village.

Due to lack of official support our timeline got delayed and majorly in West Bengal the speed to assessment is very low and the reasons are as follows:

- Murshidabad district officials stopped our on ground assessment, stating reasons of political unrest and for the future they suggested us to come after election. The same was escalated to the DM and ADM and they asked the same  
- Several attempts have been made to reach out to the DM of Malda district but unfortunately after repetitive follow-ups we have not been able to establish any mode of communication with the district.

Drone approval pending from all the Districts expect Chanduli district of Uttar Pradesh.
- For flying drones we need officials support on Ground as well.
- Approval of DMs and SPs for the district is required to end the On- Ground Assessment
- We might require the flying approval from DGCA in some of the border sharing district like Mursidabad, Malda and in Uttarakhand.