



MEMORANDUM OF UNDERSTANDING



Between

Dr.Amit Kumar Kundu

Dr. Monojit Roy

Memorandum of Understanding

Between

Monojit Roy

Barrackpore Rastraguru Surendranath College

And

Amit Kumar Kundu

Sripat Singh College

Subject: Assessment of Drinking Water Quality of Different Municipal Supply Water of North 24 Parganas, West Bengal, India: A Comparative Study

Abstract

Clean and safe water is essential and significant for our daily life. With the unprecedented increase in population and the development of industrialization, the quality of municipal supplied water is being gradually endangered. Municipal supplied water plays a major role in drinking purposes in many urban areas of West Bengal, India. In this present study, the quality of the municipal drinking water samples of fourteen municipal areas within the North 24 Parganas district of West Bengal have been assessed. We have measured pH, TDS (Total Dissolved Solids), salinity, conductance, sodium ion concentration, potassium ion concentration, and pesticide residue concentration. Investigated water samples showed moderate salinity values and low to high ranges of conductance values. We have also encountered high sodium ion content in three municipality supply waters, whereas we got moderately low concentrations of potassium ion in these drinking water samples. Several water samples showed relatively high pH, another showed a very high TDS value, while eight municipal supply waters showed moderate TDS values. During the study of seventeen pesticide residues in these municipal drinking water samples, no sample water contained pesticide concentration higher than the BIS (Bureau of Indian Standards) limit.

Memorandum of Understanding

1. Purpose

The purpose of this Memorandum of Understanding (MoU) is to establish the terms and conditions under which Monojit Roy of Barrackpore Rastraguru Surendranath College and Amit Kumar Kundu of Sripat Singh College will collaborate on the assessment of the drinking water quality of different municipal supply waters in North 24 Parganas, West Bengal, India.

2. Scope of Work

- The study will involve the collection and analysis of water samples from fourteen municipal areas within North 24 Parganas.
- The parameters to be measured include pH, TDS, salinity, conductance, sodium ion concentration, potassium ion concentration, and pesticide residue concentration.
- Both parties will jointly conduct the analysis, share data, and prepare the final report.

3. Roles and Responsibilities

- Monojit Roy: Responsible for overseeing the collection of water samples and conducting the analysis of pH, TDS, and salinity.
- Amit Kumar Kundu: Responsible for analyzing conductance, sodium ion concentration, potassium ion concentration, and pesticide residue concentration.

4. Collaboration and Data Sharing

- Both parties agree to share all data and findings related to the study.
- The data will be used solely for the purpose of the study and publication in academic journals.
- Any publication or presentation of the findings will be jointly authored by both parties.

5. Duration

This MoU will remain in effect from the date of signing until the completion of the study and publication of the results.

6. Financial Implications

- Each party will bear their own costs incurred in the course of the study.
- Any external funding or grants secured for the project will be shared as per mutual agreement.

7. Confidentiality

Both parties agree to maintain the confidentiality of any proprietary or sensitive information exchanged during the course of the study.

8. Termination

This MoU can be terminated by either party with a written notice of 30 days.

9. Dispute Resolution

Any disputes arising from this MoU will be resolved through mutual discussion and negotiation.

Signatures-

Monojit Roy

Barrackpore Rastraguru Surendranath College

Date: _____

Amit Kumar Kundu

Sripat Singh College

Date: _____

Principal
Barrackpore Rastraguru
Surendranath College

Principal
Sripat Singh College