Jal Jeevan Mission Water Quality Data Collection

July 26, 2024



Obtaining Water Quality Data for India (2009 to 2024)

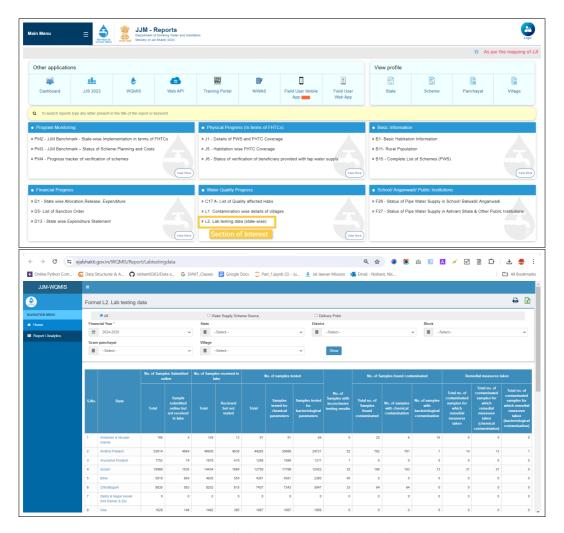
Water quality data for the entire India for the years 2009 to 2019 was scraped from the National Rural Drinking Water website (NRDWP), and for the years 2021 to 2024 from the Jal Jeevan Mission official website (JJM). This data will be used for the analysis of contamination and pollutants in the tested water.

Water Quality Data collection from JJM 2021 - 2024

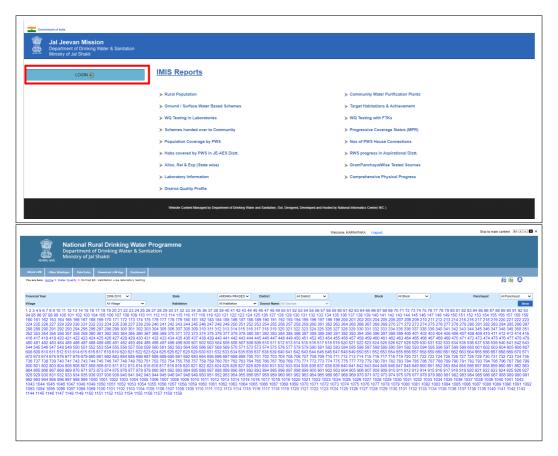
The section 'Water Quality Progress, L2. Lab Testing Data (State-Wise)' from the JJM website is used to retrieve the data. In the 'L2. Lab Testing Data (State-Wise)' section, we have data for four years: 2021-2022, 2022-2023, 2023-2024, and 2024-2025. For each year, we have data for all the states.

Water Quality Data collection from NRDWP 2009 - 2019

The section 'Water Quality, Format E3- Habitation-wise laboratory testing' from the NRDWP website is used to retrieve the data. In the 'Format E3- Habitation-wise laboratory testing' section, we have data for 10 years: 2009 - 2019. For each year, we have data for all the states.



JJM Report website - L2. Lab Testing Data



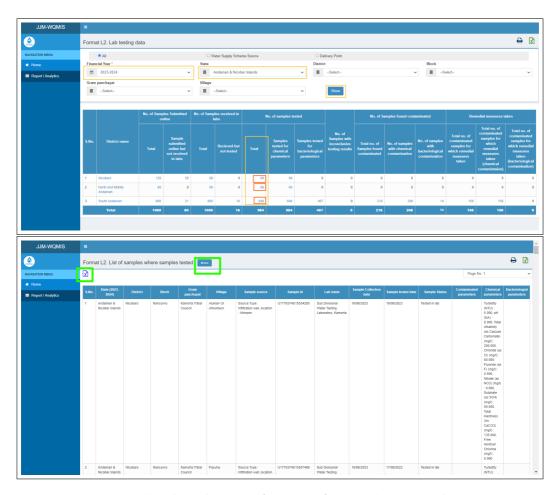
NRDWP website - Format E3- Habitation-wise lab testing

JJM 2021 - 2024

After selecting a state, we obtain data for all the districts in that state with water quality data in columns named as 'No. of Samples Submitted online', 'No. of Samples received in labs', 'No. of samples tested', 'No. of Samples found contaminated', and 'Remedial measures taken'.

'No. of samples tested' contains the required data. It consists of a sub-column 'Total' which has data for all the villages of the selected state, regarding the total lab results of water quality analysis and all pollutants and contaminations found in all the water samples collected from that village.

Each district in the selected state has a particular link in this 'Total' sub-column. By clicking on this column, we get the option to download the Excel file containing the required data of the particular district.

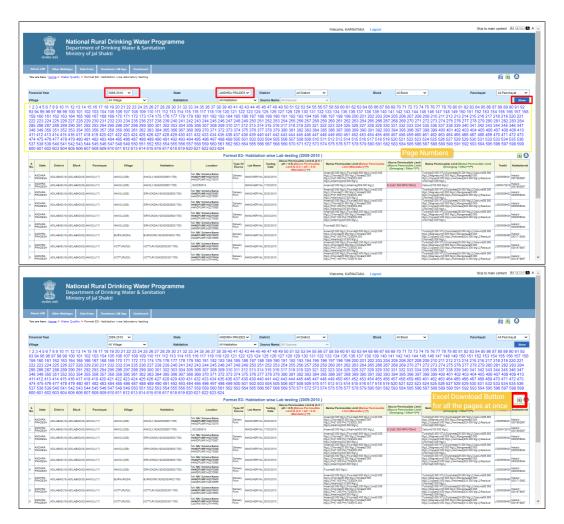


Total sub-column of 'No. of samples tested'

NRDWP 2009 - 2019

After selecting a state, we obtain data for all the districts in that state with water quality data in columns named as State, District, Block, Panchayat, Village, Habitation, Location, Type Of Source, Lab Name, Testing Date, Above Permissible Limit (6.5 < pH < 8.5), Above Permissible Limit (6.5 < pH < 8.5) (Mandatory), Below Permissible Limit (Mandatory), Above Permissible Limit (Emerging / Other), Below Permissible Limit (Emerging / Other), TestId, and Habitationid.

Lots of numbers visible above the table show page numbers. Each page contains 50 rows of data. The Excel icon on the right side helps to download a complete Excel file at once consisting of all pages' data.



NRDWP website