

Water Quality Test Report

Urban Mitanin Programme

Phase Six – April 2020



Water Quality Test Report

Urban Mitanin Programme

Objective – In Urban slum area, people are suffering with waterborne diseases such as jaundice, diarrhea and typhoid which are very common. Through the Urban Mitanin Programme, water testing is done to protect people living in slums from water-borne diseases. Testing of water is done to find out the cause of water contamination, for example, the water pipe can be replaced when it is damaged. In order to save people and to create awareness amongst the people from the diseases caused by contamination of water, the water quality was tested at the community level through the Urban Mitanin Program. The Mitanin's were given training to conduct water testing properly. Method of water testing - The H₂S (hydrogen chloride) paper kit is used to test water sources. Mitanin was trained to properly perform the entire water testing process.



Sampling - In this phase, sample of water is taken from such a community tap or tanker of the para from each of the 17 cities. The source of water for the sampling is selected by the Mitanin and the members of Mahila Arogya Samiti. Water is tested in the presence of Mahila Arogya Samiti members and councilor.



Water Test Results from H2S kit in 17 Cities

| No. | City Name | Total Tested Sample | Result - samples that were found to be contaminated | | No. of repaired contaminated water sources |
|--------------|-------------|---------------------|-----------------------------------------------------|-----------|--------------------------------------------|
| | | | No. | % | |
| 1. | Raipur | 1306 | 74 | 6% | 67 |
| 2. | Bhilai | 443 | 100 | 23% | 98 |
| 3. | Bilaspur | 400 | 16 | 4% | 13 |
| 4. | Durg | 321 | 61 | 26% | 35 |
| 5. | Raigarh | 168 | 1 | 1% | 1 |
| 6. | Rajnandgaon | 156 | 15 | 10% | 15 |
| 7. | Birgaon | 100 | 2 | 2% | 2 |
| 8. | Charoda | 175 | 1 | 1% | 1 |
| 9. | Dhamtari | 95 | 5 | 5% | 5 |
| 10. | Jagdalpur | 111 | 0 | 0% | 0 |
| 11. | Ambikapur | 95 | 2 | 2% | 2 |
| 12. | Bhaatapara | 52 | 2 | 4% | 2 |
| 13. | Mahasamund | 55 | 2 | 4% | 2 |
| 14. | Kanker | 36 | 3 | 8% | 2 |
| 15. | Kawardha | 32 | 0 | 0% | 0 |
| 16. | Mungeli | 34 | 2 | 6% | 2 |
| 17. | Janjgir | 28 | 0 | 0% | 0 |
| Total | | 3607 | 303 | 8% | 247 |

Methods to be followed for treating contaminated water

1. Give information to the ward councillor about contaminated water and councillor will get will solved the water problem.
2. Application to the Corporation prepared by the Mahila Arogya Samiti for the treatment of the source of contaminated water
3. To fix the problem of the contaminated water source call on Help line no.
4. Members of Mahila Arogya Samiti work to clean the contaminated water source.

Success stories of Mitanin Water Testing Work

The Committee and Mitanin make bore water drinkable (For the para Lal Bahadur Sahastri Ward 25, Bhatapara)

Mitanin Shakun and the committee tested one bore water of the para and found that the water found contaminated. To inform the people of the Para, Mitanin wrote on the motor pump that this water is not drinkable. The Councilor was informed by the committee and asked to take action to clean the water. Councilor got the water treated through the Nigam and now the water is clean and the people are using the water. **Shakun sahu – Mitanin**



The committee and the Mitanin cleaned the contaminated drinking water. (Mahasati Ward no. 17, Bhatapara)

The Mitanin were given H₂S kit by the State Health Resource Centre for testing the water. In Mahasati Para, Mitanin fixed a day for testing the water and she also informed all the members of the committee, para people and councilors. In the presence of all, the bore water was filled in the H₂S kit. After 24 hours, the sample water turned black. Members of Mahila Aarogya Samiti informed the councilor. The Councilor came and checked the test kit

and assured the people that he will find out the cause of contamination of the water. Within a week, the pipe line was checked by the Municipal Corporation and it was found that the pipe was broken from the inside. The pipe was repaired by the Municipal Corporation and then the testing was conducted once again and after the repair work the water was found to be clean. **Saraswati Dahria - Mitanin**



The para people got clean drinking water after the Committee gave an application to the Corporation

(Ward no. 47, Jagdish Khatal, Raipur Naka, Durg.)

The water was checked by the H2S kit by the Mitanin and members of Mahila Arogya Samiti. The tested water turned out to be contaminated. The people of the para were forced to bring water from different bore. The members of the Committee and the Mitanin informed the Ward Councilor but no action



was taken. The Committee then gave information on the Corporation's toll free number but on more than one occasion no one picked the phone and when they did take the call they just gave assurance but again no action was taken. The committee then submitted an application to the corporation. After submitting the application, the employees of the corporation came and changed the entire pipeline. After changing the pipe line, clean water started coming. From that day people started getting clean & safe drinking water.

Sandhya Rajput - Mitanin Trainer

The water problem was resolved after making a complaint to the Councilor.

Ward no. 2, Nahar para, Mahasamund

To protect the people from waterborne diseases, para's water sources were tested with the H2S kit by Mitanin and the members of Mahila Arogya Samiti. Water was found to be contaminated. The councilor was immediately informed by the committee and asked to solve the water problem. Councilor informed the Municipal Corporation. On the second day, people came from the municipality and changed the pipe. After changing the pipeline, the water started coming clean and the water problem of the people was solved.



Jyoti pawar - mitanin

By testing the water, the Committee is saving the people from water borne diseases.

Ward no. 35, kandra para, durg

The water source of para was tested by the committee and it was found to be contaminated. The committee held a meeting and told all the members that the water is not drinkable and we should inform the people of the para. Members of the committee also informed the Councilor and after the Councilor's complaint, the employees of the corporation came and examined the source of water and shared that the pipeline has become very old due to which dirty water is coming. Pipeline was changed by the Municipal Corporation.

Dhaneshvari yadav - mitanin

The water of the para's well was made drinkable by the efforts of the committee

Ward no.57, Urleshvari Chowk, Urla, Durg

There is a very old well in the Para whose water is used by the people of para for drinking for years. The para has a tap and a bore, but people still drink water from the well. The water of this well is checked and cleaned every year. Like every year, the water of the

well was tested by the committee this year and found to be contaminated. Mitanin of the Para and the members of the committee went to the Councilor and also submitted an application to the corporation for cleaning the well. After applying to the corporation, the committee put bleaching powder in the well to safeguard from vomiting and diarrhea. After a week of submitting the application the well was cleaned and a platform & drainage was constructed near the well. Presently, the water of the well is clean and people are drinking safe water. **Kiran sahu – mitanin**



The committee went to the Jandarshan and solved the drinking water problem of the para. (Ward no. 30 Risayipara, Dhamtari)

The bore of the Risayi para was damaged and not working for a long time. The para had complained to the Corporation but their problem had not been solved. The people of the para kept this problem in the meeting of the Mahila Aarogya Samiti and the members of the Committee went to the



Councilor and to the Corporation, but the Corporation staff used to come and after examining the bore said that it cannot be repaired. Committee members informed the Mitanin trainer and she gave them the advice to meet the collector in the Jandarshan programme. The members of the committee along with the people of the Para went to the Jandarshan and gave an application to the Collector. The Collector gave an order to repair the bore and the Corporation thereafter removed & replaced the motor and the pipeline. Presently, the people of the para are getting clean drinking water.