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# **A Report on Water Quality Testing & Sanitary Survey in District Lakhimpur Kheeri,**

## **Uttar Pradesh**

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# WSSO

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# A Report on Water Quality Testing & Sanitary Survey in District Lakhimpur Kheeri

On 4<sup>th</sup> June, 2011, team of WSSO visited village Banni, Gram Panchayat Khetoosa, Block Phoolbehar of Lakhimpur Kheeri district. Village has a population of approx. 317, and Village has been selected under Ambedkar Gram. Drinking water need is being catered by 20 numbers of hand pumps installed by U.P Jal Nigam. Out of the 20 numbers of hand pumps, 2 numbers of hand pumps are non functional.

On meeting Mr. Kallu Ram, Gram Pradhan of the village, he informed that hand pump repairing work is being carried out through the panchayat funds. He also informed that the Field Test Kit (FTK's) was not provided to Gram Panchayat. The villagers also confirmed the same that they never ever saw any person to check quality of water source with the help of Field Test Kit (FTK).



Water samples from two hand pumps were tested the sanitary survey was also carried out, their result are give below:

S.No	Name of care taker/ Location	Parameters	pH	Hardness	Iron as Fe	Chloride as Cl	Nitrate as NO <sub>3</sub>	Fluoride as F	Arsenic as As
		limit as per BIS Guideline	6.5 to 8.5	300 mg/l	0.3 mg/l	250 mg/l	45 mg/l	1.0 mg/l	0.5 mg/l
		Desirable limit in absence of Safe source	6.5 to 8.5	600 mg/l	1.0 mg/l	1000 mg/l	45 mg/l	1.5 mg/l	0.5 mg/l
1.	Mr. Ram Naresh/ in front of Ram Naresh's House.	----	7.5	165	0.3	150	0.0	0.5	0.0
2.	Mr. Kallu Ram ( Gram Pradhan)/ in front of Mr Kallu Ram's House	---	7.5	195	0.3	100	0.0	0.5	0.0



**Children use Platform for washing cloth and Bathing purposes (in front of Mr Kallu Ram, Gram Pradhan house)**



**Faulty drainage is found near Hand Pump (in front of Mr Ram Naresh's house)**

Sanitary survey score was found to be six (6) for both the Hand pumps, which indicates that there is possibility of bacteriological contamination.

The villagers were briefed the villagers about the possibility of bacteriological contamination due to insanitary conditions in and around the water sources viz. Hand pumps. They were asked to keep the platform clean and not to use it for washing clothes, utensils and that the drainage system near hand pumps should be proper and to keep the animals away from water source.

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