

## Water Quality Report: MULTAN CITY

(Nishtar Medical College, Chowck Bijli Ghar, Gulraiz Colony, Lodhi Colony, Lahori Gate/Ghanta Ghar, Shah Rukan e Alam Colony)  
(April - 2006)

Sample No.	Location	Source	Depth (as told by local person at source)	Time	Date	pH	Temperature (at the time of testing in lab)	Level of Arsenic (ppm)	WHO standard for Arsenic (ppm)	Fluoride (ppm) [WHO standard is 0.8 ppm]	Turbidity (NTU)	DO (mg/l)	Remarks
1	Iqbal Hall Nishtar Medical College	WASA (Municipal Water)	Unknown	2.00 pm	4 <sup>th</sup> April 2006	7.21	29.5	0.50	0.02	0.052	0.3	0.1	Not Fit High level of Arsenic
2.	Ibn-e-Sina Hall, Nishtar Medical College	Motor	Unknown	1.15 pm	4 <sup>th</sup> April 2006	7.17	29.3	1.00	0.02	0.072	0.5	0.2	Not Fit High Level of Arsenic
3.	Chowk Bijli Ghar, Multan Cantt.	Motor	500 ft	3.15 pm	2 <sup>nd</sup> April 2006	7.1	29.6	0.20	0.02	0.033	2.3	0.2	Not Fit High Level of Arsenic
4.	Lahori Gate, Ghanta Ghar	Hand Pump	80 ft	3.45 pm	3 <sup>rd</sup> April 2006	7.12	29.8	Less than 0.2	0.02	0.127	0.5	0.1	Relatively less contaminat ed
5.	Gulraiz Colony, Rajwata Road	Motor	120 ft	7.15 pm	4 <sup>th</sup> April 2006	7.2	29.7	Less than 0.2	0.02	0.035	0.4	0.2	Relatively less contaminat ed
6.	Lodhi Colony	Motor	160 ft	4.45 pm	1 <sup>st</sup> April 2006	6.9	29.4	0.50	0.02	0.047	3.8	0.2	Not Fit High Level of Arsenic
7.	Shah Rukan-e-Alam Colony	Motor	150 ft	7.45 pm	2 <sup>nd</sup> April 2006	6.55	29.5	0.20	0.02	0.046	0.5	0.2	Not Fit High Level of Arsenic

**Note:**

There water tests were conducted at the Laboratory of Environmental Science Department, Lahore College for Women University (LCWU). Test were conducted using Japanese Test Kits provided by the Center for Chemical Risk Analysis, Institute of Geo-Resource and Environment (GREEN), National Institute of Advanced Industrial Science and Technology (AIST), Japan. Water samples were collected by Mr. Ghulam Moheyy-ud-Din, a student of Nishtar Medical College who brought these samples to LCWU when he came to participate in Two Days International Workshop on Health Issues related with Arsenic contamination in Pakistan. It is recommended that the water samples should also be tested at the Environmental Protection Department (EPD) for counter verification.