

Ground Water Quality-2016

Location & distance from red mud pond	Bore well in staff colony (0.5 km)			Yamnapur open well (0.5 km)			Kangrali bore well (1.5km)		
Parameter	pH	Alk mg/l	TDS mg/l	pH	Alk mg/l	TDS mg/l	pH	Alk mg/l	TDS mg/l
IS 10500 -1992 limits	6.5-8.5	-	500	6.5-8.5	-	500	6.5-8.5	-	500
Apr-16	7.22	231.1	348	6.97	161.8	372	6.69	161.8	360
May-16	7.29	229	244	6.85	171	276	6.67	160	404
Jun-16	7.14	262.8	340	6.47	170	484	6.62	171	344
Jul-16	6.94	229	248	6.63	137.1	372	6.72	148.5	460
Aug-16	7.00	274	324	6.63	171.2	476	6.70	182.7	480
Sep-16	6.9	239.7	284	6.72	148.4	490	6.71	171	464
Average	7.1	244.3	298.0	6.7	159.9	411.7	6.7	165.8	418.7
Max	7.3	274	348	7.0	171	490	6.7	183	480
Min	6.9	229	244	6.5	137	276	6.6	149	344
Std. Deviation	0.2	19.4	45.9	0.2	14.2	86.1	0.0	11.7	57.9
98 Percentile	7.3	272.9	347.2	7.0	171.2	489.4	6.7	181.5	478.4

Annexure - 5

Muttanati bore well (1.0 km)			Baswankol open well (1.5 km)		
pH	Alk mg/l	TDS mg/l	pH	Alk mg/l	TDS mg/l
6.5-8.5	-	500	6.5-8.5	-	500
6.23	92.4	364	6.75	173.3	396
6.63	91	152	6.83	207	288
6.8	126	284	6.73	175	348
6.9	114.3	132	6.56	137.1	240
6.93	125.6	184	6.60	171.2	300
6.4	91.3	376	6.53	137	136
6.6	106.8	248.7	6.7	166.8	284.7
6.9	126	376	6.8	207	396
6.2	91	132	6.5	137	136
0.3	17.2	107.6	0.1	26.5	90.3
6.9	126.0	374.8	6.8	203.8	391.2