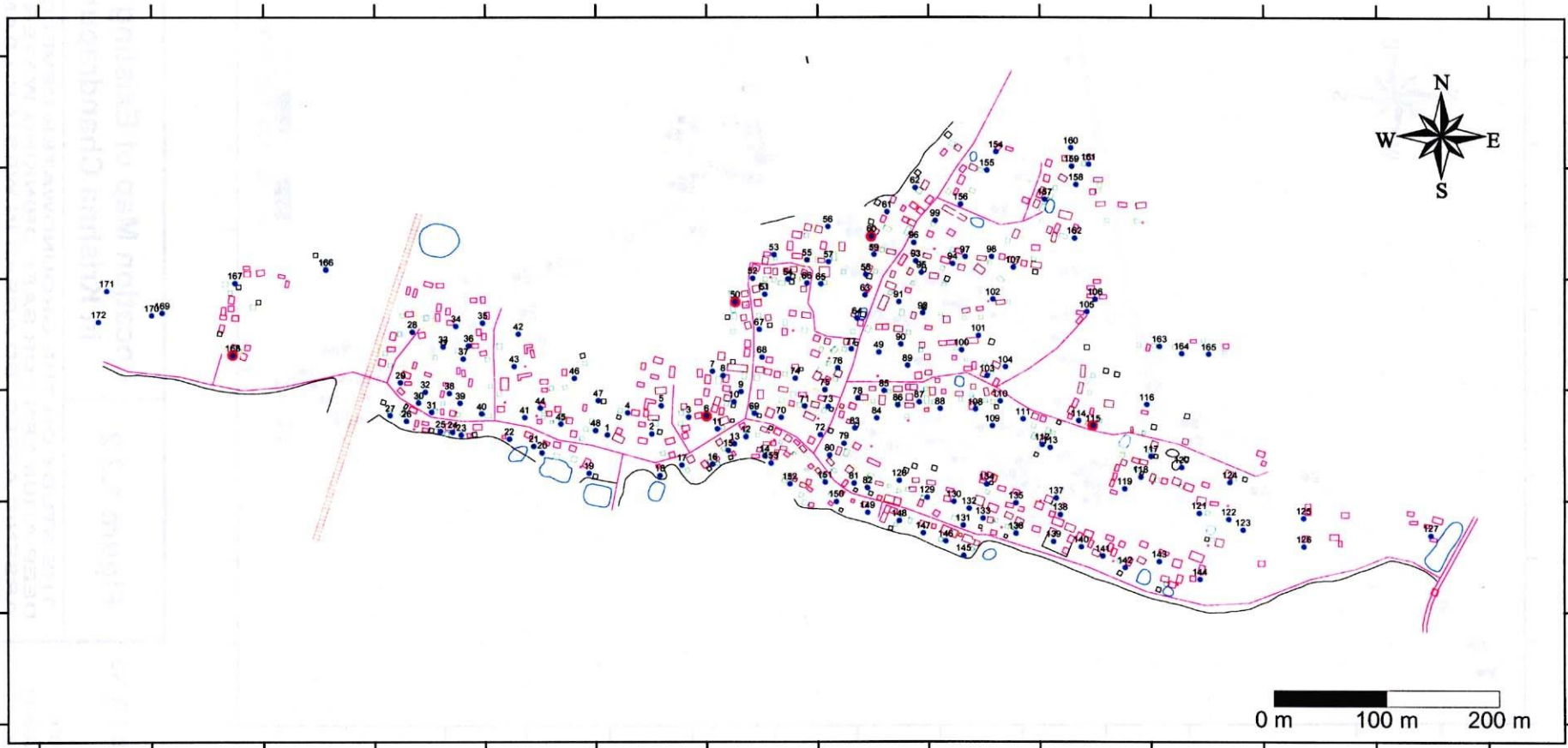


## **1.2 Baseline Survey**



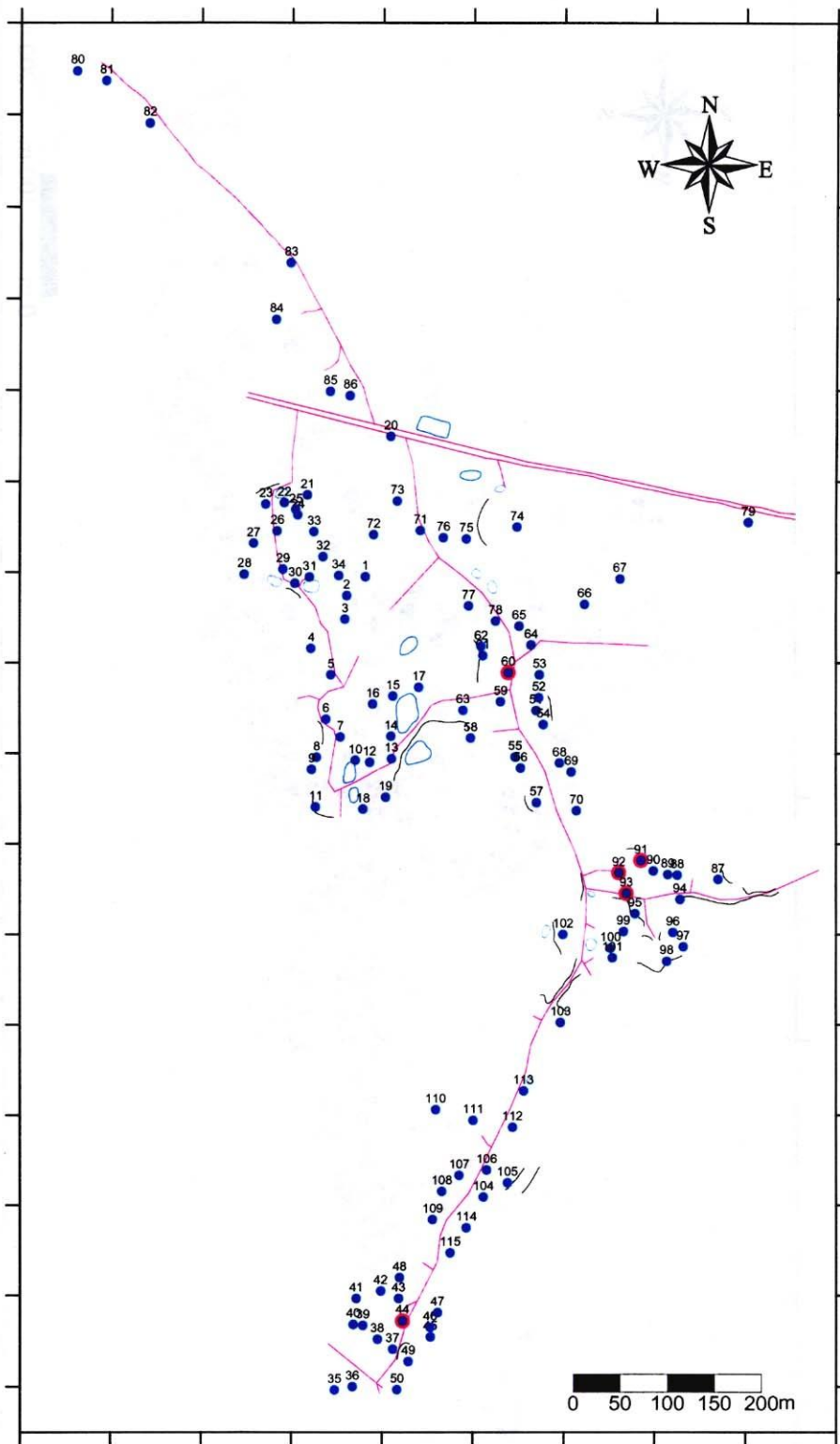
- 172 ● Existing Well with TW No.
- Existing Well where General Water Quality Sample Collected

**Figure 1.2.1**

**Location Map of Existing Tubewells  
in Bara Dudpatila Village**

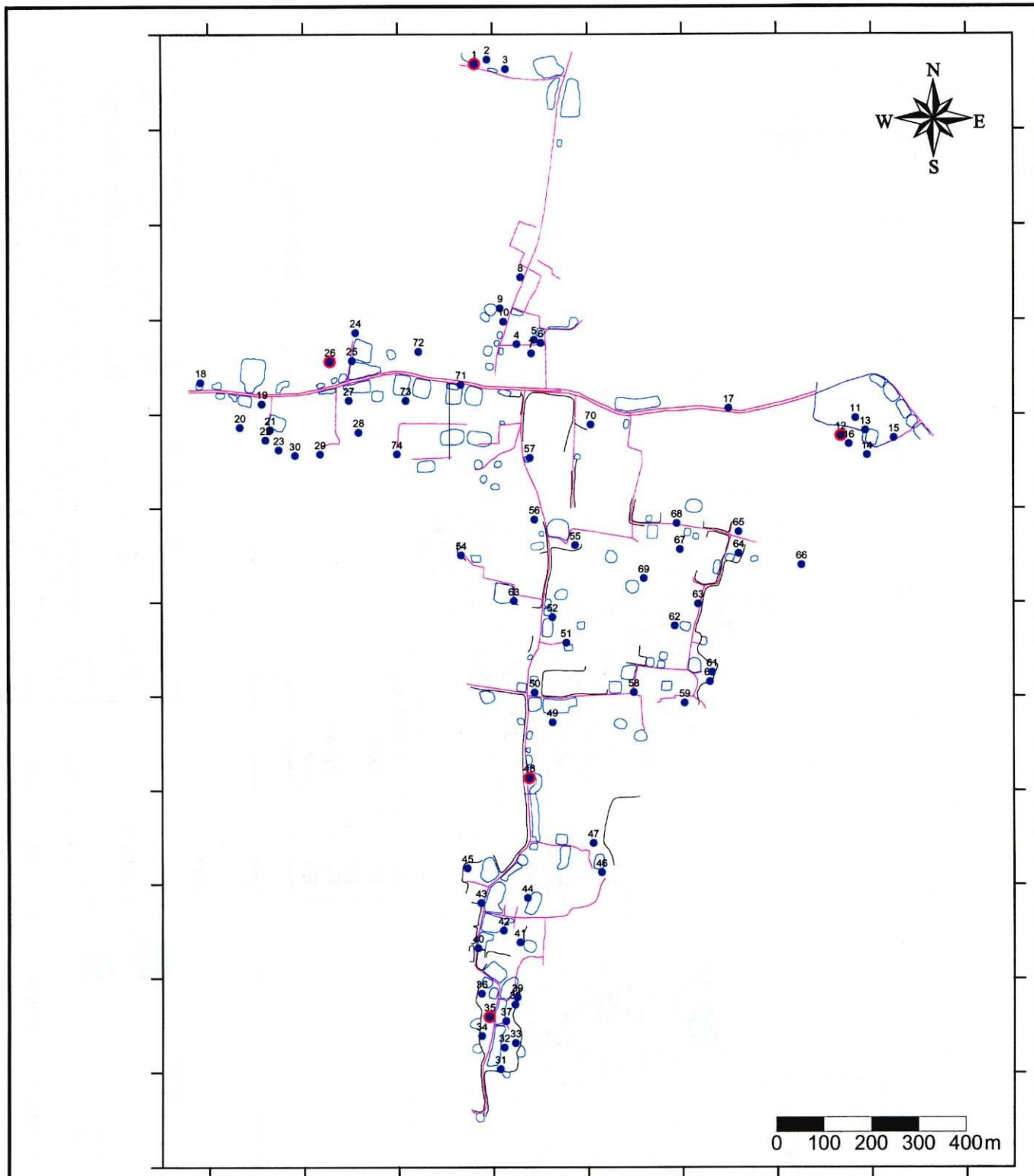
**THE STUDY ON THE GROUNDWATER DEVELOPMENT OF  
DEEP AQUIFERS FOR SAFE DRINKING WATER SUPPLY TO  
ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH**

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)



- 115  
● Existing Well with TW No.
- Existing Well where General Water Quality Sample Collected

<b>Figure 1.2.2</b>	<b>Location Map of Existing Tubewells in Krishna Chandrapur Village</b>
<b>THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH</b>	
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	



- 74  
● Existing Well with TW No.
- Existing Well where General Water Quality Sample Collected

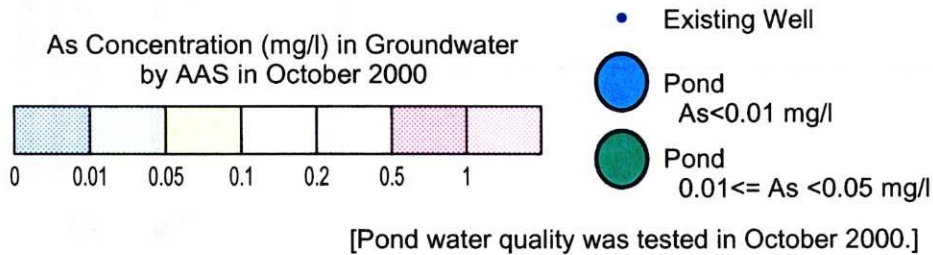
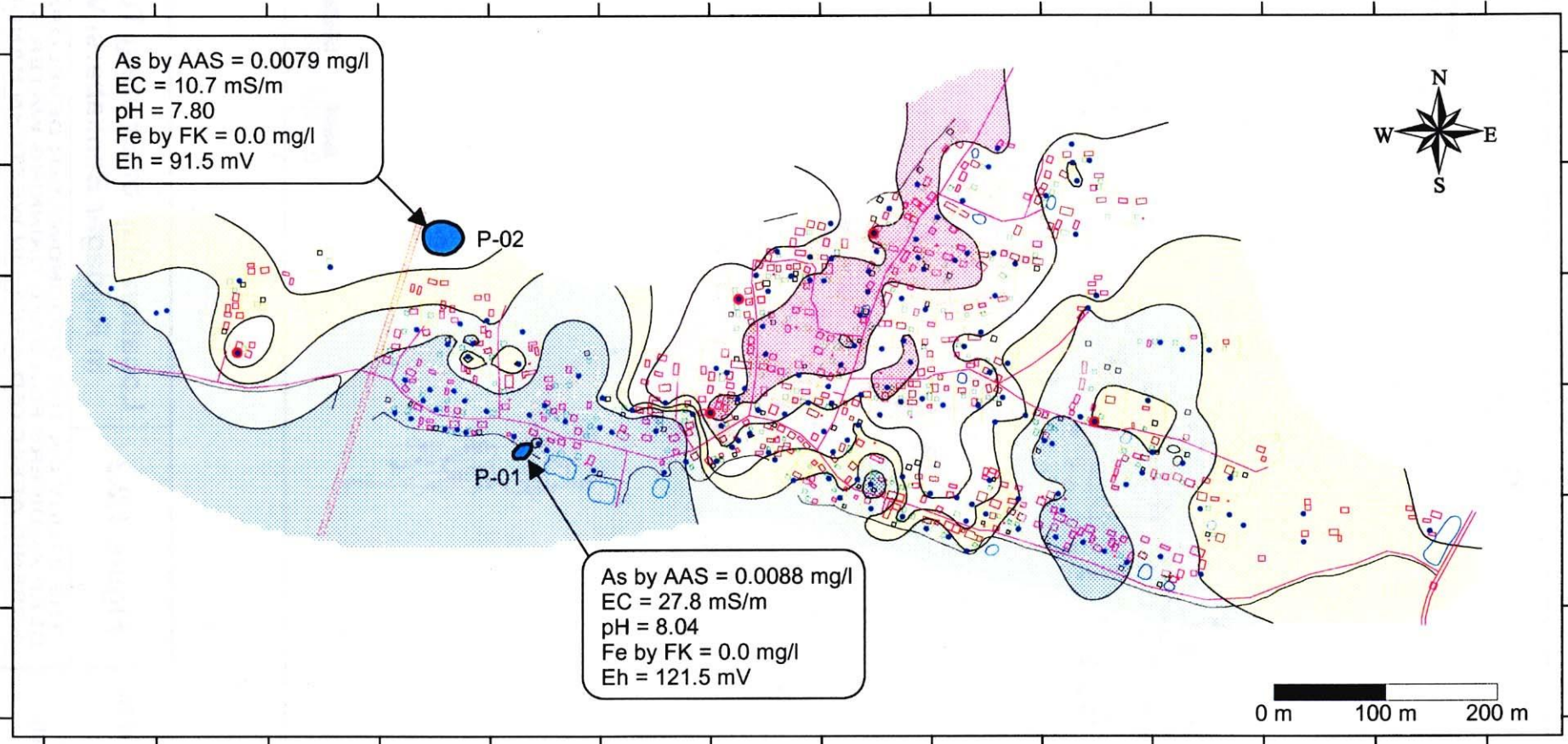
**Figure 1.2.3**

**Location Map of Existing Tubewells in Rajnagar Bankabarsi Village**

**THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH**

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

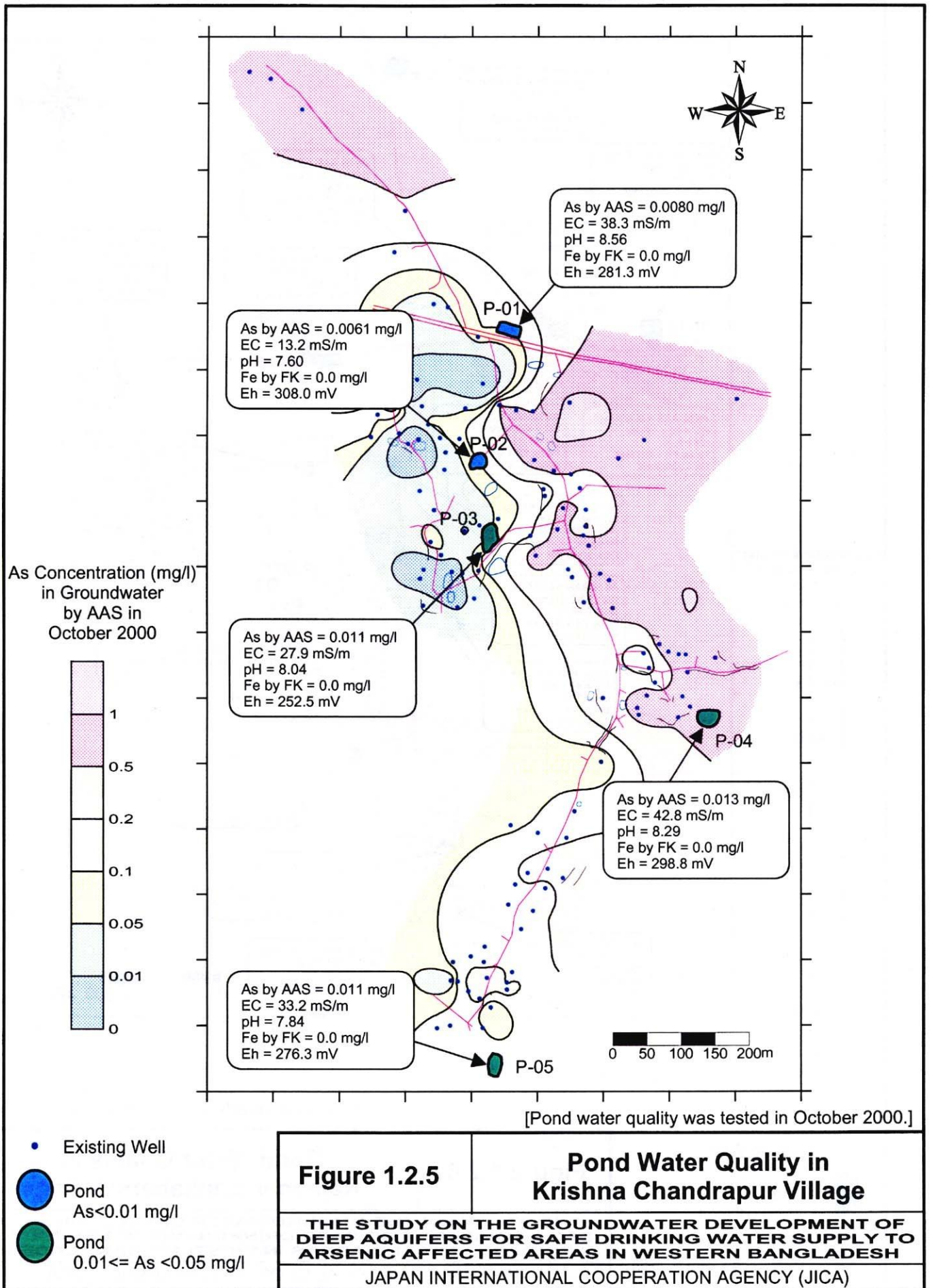




**Figure 1.2.4** **Pond Water Quality in Bara Dudpatila Village**

**THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH**

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)



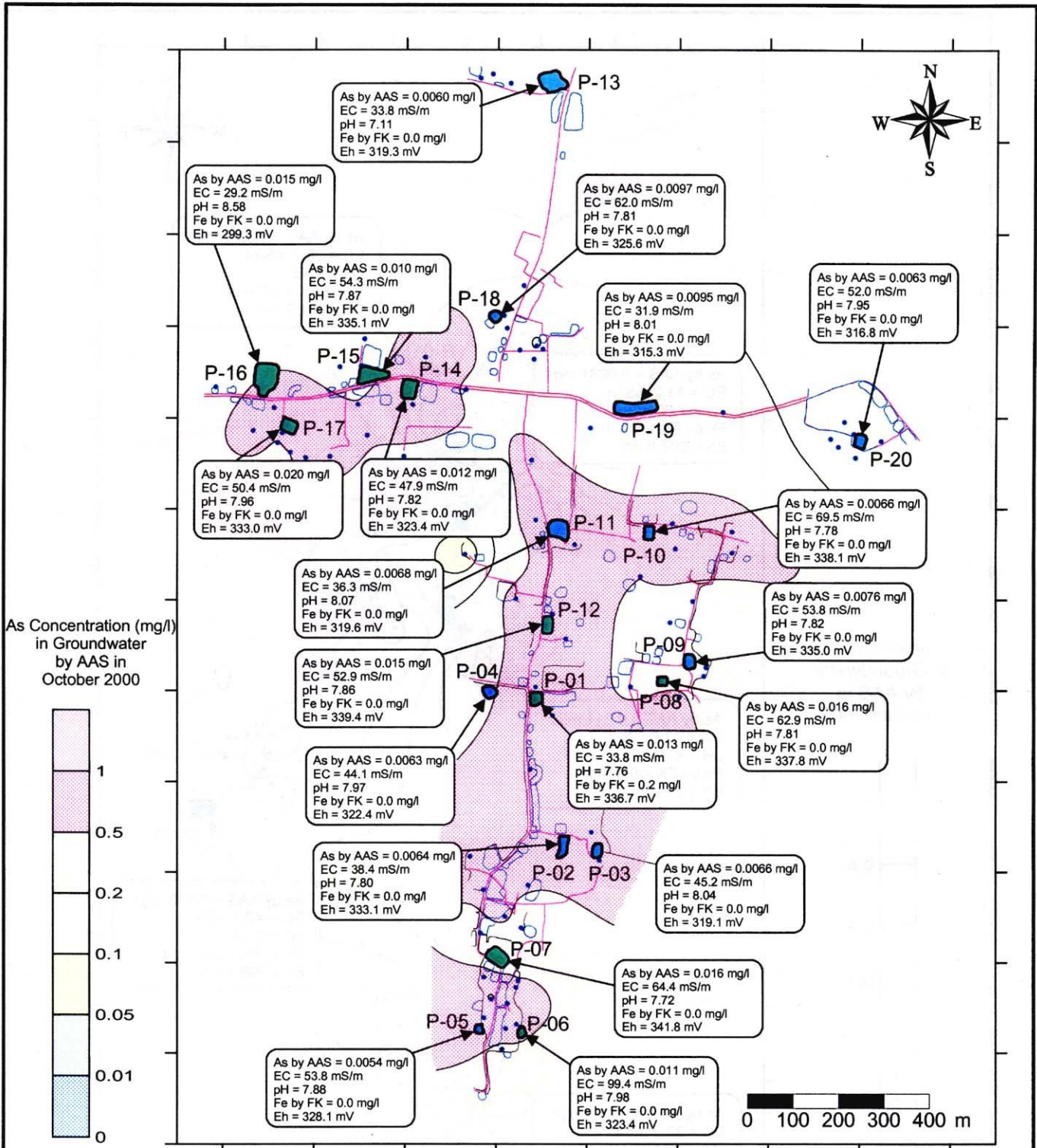
**Figure 1.2.5**

**Pond Water Quality in Krishna Chandrapur Village**

**THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH**

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)





[Pond water quality was tested in October 2000.]

**Figure 1.2.6**

**Pond Water Quality in Rajnagar Bankabarsi Village**

- Existing Well
- Pond As < 0.01 mg/l
- Pond 0.01 ≤ As < 0.05 mg/l

**THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH**

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

**Sample Code**

**BS - CD-BD - EW - 1**

**Well No.**

**Water sources**  
EW Existing well  
P Pond

**Village code**  
CD-BD Bara Dudpatila  
JD-CC Krishna Chandrapur  
JS-RB Rajnagar Bankabarsi

**Sample Type**  
BS Baseline Survey



**Table 1.2.1 Groundwater Quality in Bara Dudpatila Village in October 2000 (1/3)**

No.	Well	As by AAS (mg/l)	EC (mS/m)	pH (SU)	ORP (mV)	Fe <sup>2+</sup> (mg/l)	Temp (deg-C)	Eh (mV)	As by FK (mg/l)
1	BS-CD-BD-EW-001	<0.0005	100.8	7.15	67	0	27.5	271.6	0
2	BS-CD-BD-EW-002	<0.0005	96.9	7.11	73	0	27.6	277.5	0
3	BS-CD-BD-EW-003	0.033	92.4	7.06	85	0	27.2	289.8	0
4	BS-CD-BD-EW-004	0.090	88.3	7.04	80	0.5	27.4	284.6	0.05
5	BS-CD-BD-EW-005	0.27	93.9	7.08	-48	2	27.2	156.8	0.09
6	BS-CD-BD-EW-006	0.80	88.3	7.2	-113	5	27.6	91.5	1
7	BS-CD-BD-EW-007	0.25	92.9	7.12	-86	0.5	27.2	118.8	0.9
8	BS-CD-BD-EW-008	0.27	92.6	7.14	-94	1	27.4	110.6	1
9	BS-CD-BD-EW-009	0.49	85.4	7.19	-129	10	27.9	75.3	1
10	BS-CD-BD-EW-010	0.51	92.5	7.09	-122	2	27.1	82.9	1
11	BS-CD-BD-EW-011	0.38	99.9	7.19	-110	0	27.6	94.5	0.2
12	BS-CD-BD-EW-012	0.088	63.7	7.28	-128	2	27.5	76.6	0.06
13	BS-CD-BD-EW-013	0.18	110.4	7.24	-108	0.5	27.1	96.9	0.2
14	BS-CD-BD-EW-014	0.10	107.3	7.19	-109	1	27.3	95.7	0.09
15	BS-CD-BD-EW-015	0.18	96.2	7.31	-127	2	27.2	77.8	0.5
16	BS-CD-BD-EW-016	0.21	92.6	7.08	-113	2	27.3	91.7	0.7
17	BS-CD-BD-EW-017	0.011	128.7	7.19	-116	0	27.7	88.4	0
18	BS-CD-BD-EW-018	0.0007	117.7	7.03	-89	0	27.6	115.5	0
19	BS-CD-BD-EW-019	0.012	123.5	7.19	-84	0.5	27.2	120.8	0
20	BS-CD-BD-EW-020	0.0008	129.4	7.02	-67	0	27.3	137.7	0
21	BS-CD-BD-EW-021	0.028	112.7	7.13	-70	0	27.7	134.4	0
22	BS-CD-BD-EW-022	0.0008	107.8	7.21	-74	0	27.7	130.4	0
23	BS-CD-BD-EW-023	<0.0005	111.8	7.22	-71	0	27.3	133.7	0
24	BS-CD-BD-EW-024	0.0083	72.5	7.38	-75	0	27.5	129.6	0
25	BS-CD-BD-EW-025	0.0008	78.4	7.14	-120	2	26.9	85.0	0
26	BS-CD-BD-EW-026	0.0005	49	7.36	-64	0	27.6	140.5	0
27	BS-CD-BD-EW-027	0.0017	56.2	7.38	-63	0	27.8	141.4	0
28	BS-CD-BD-EW-028	0.027	45.8	7.36	-78	1	27.4	126.6	0.05
29	BS-CD-BD-EW-029	0.0019	55.5	7.3	-90	0	27.6	114.5	0
30	BS-CD-BD-EW-030	0.00083	56.5	7.5	-103	0	27.7	101.4	0
31	BS-CD-BD-EW-031	0.00074	52.1	7.46	-90	0	27.3	114.7	0
32	BS-CD-BD-EW-032	0.00098	56.2	7.41	-86	0	27.2	118.8	0
33	BS-CD-BD-EW-033	0.0048	36.3	7.54	-97	0	28.3	107.0	0
34	BS-CD-BD-EW-034	0.034	59.1	7.32	-84	0	27.9	120.3	0
35	BS-CD-BD-EW-035	0.064	62.1	7.25	-80	0	27.3	124.7	0
36	BS-CD-BD-EW-036	0.0037	103.2	7.15	-75	0.5	27.7	129.4	0
37	BS-CD-BD-EW-037	0.22	92.2	7.23	-80	0	27.3	124.7	0
38	BS-CD-BD-EW-038	0.0019	75.2	7.33	-92	0	27.4	112.6	0
39	BS-CD-BD-EW-039	0.0005	84.5	7.28	-89	0	27.7	115.4	0
40	BS-CD-BD-EW-040	0.0044	96.6	7.14	-79	0	27.6	125.5	0
41	BS-CD-BD-EW-041	0.0012	90.6	7.2	90	0	26.9	295.0	0
42	BS-CD-BD-EW-042	0.023	69.8	7.27	84	1	26.8	289.1	0.01
43	BS-CD-BD-EW-043	0.12	69	7.17	8	2	26.9	213.0	0.4
44	BS-CD-BD-EW-044	0.0018	84.3	7.19	55	0.5	26.9	260.0	0
45	BS-CD-BD-EW-045	0.0007	126.2	7.05	82	0	26.7	287.1	0
46	BS-CD-BD-EW-046	<0.0005	74.6	7.11	21	0	26.8	226.1	0
47	BS-CD-BD-EW-047	0.028	71.8	7.07	51	0	27.1	255.9	0.02
48	BS-CD-BD-EW-048	0.0011	120.5	7.04	41	0	26.9	246.0	0
49	BS-CD-BD-EW-049	0.20	68	7.33	-35	2	27.1	169.9	0
50	BS-CD-BD-EW-050	0.37	66.3	7.34	-90	10	27.1	114.9	0.02
51	BS-CD-BD-EW-051	0.29	66.4	7.18	-120	10	26.8	85.1	0.03
52	BS-CD-BD-EW-052	0.20	63.7	7.18	-135	10	26.8	70.1	0
53	BS-CD-BD-EW-053	0.21	72.5	7.2	-20	1	27.2	184.8	0.3
54	BS-CD-BD-EW-054	0.34	70.7	7.19	-145	5	27.2	59.8	0.01
55	BS-CD-BD-EW-055	0.23	71.5	7.18	-141	5	27.3	63.7	0.9
56	BS-CD-BD-EW-056	0.15	68.4	7.14	-144	5	27.1	60.9	0.07
57	BS-CD-BD-EW-057	0.56	70.2	7.12	-153	10	27.3	51.7	1
58	BS-CD-BD-EW-058	0.53	65.2	7.12	-148	10	28.3	56.0	1
59	BS-CD-BD-EW-059	0.45	67.3	7.18	-154	10	27.6	50.5	1
60	BS-CD-BD-EW-060	0.57	68.2	7.16	-153	10	27.4	51.6	0.7

**Table 1.2.1 Groundwater Quality in Bara Dudpatila Village in October 2000 (2/3)**

No.	Well	As by AAS (mg/l)	EC (mS/m)	pH (SU)	ORP (mV)	Fe <sup>2+</sup> (mg/l)	Temp (deg-C)	Eh (mV)	As by FK (mg/l)
61	BS-CD-BD-EW-061	0.40	65.2	7.14	-150	10	27.5	54.6	0.6
62	BS-CD-BD-EW-062	0.68	63.2	7.17	-112	10	27	92.9	1
63	BS-CD-BD-EW-063	0.51	62.3	7.11	-120	10	27.1	84.9	0.8
64	BS-CD-BD-EW-064	0.81	62.2	7.19	-137	2	28.2	67.1	1
65	BS-CD-BD-EW-065	0.52	74	7.13	-130	10	27.2	74.8	1
66	BS-CD-BD-EW-066	0.64	75.2	7.13	-149	10	26.8	56.1	1
67	BS-CD-BD-EW-067	0.57	75.2	7.1	-145	10	27	59.9	1
68	BS-CD-BD-EW-068	0.95	77.7	7.18	-133	10	26.9	72.0	1
69	BS-CD-BD-EW-069	0.46	94.2	7.04	-136	2	27	68.9	0.9
70	BS-CD-BD-EW-070	0.21	88.8	7.26	-143	1	26.7	62.1	0.5
71	BS-CD-BD-EW-071	0.19	69.6	7.24	-141	5	26.7	64.1	0.5
72	BS-CD-BD-EW-072	0.14	74.9	7.16	-121	0	26.6	84.2	0.5
73	BS-CD-BD-EW-073	0.24	66.3	7.24	-121	2	26.7	84.1	1
74	BS-CD-BD-EW-074	0.48	70.3	7.24	-136	2	26.8	69.1	0.5
75	BS-CD-BD-EW-075	0.38	67.2	7.25	-142	2	26.5	63.3	1
76	BS-CD-BD-EW-076	0.70	74.2	7.29	-151	0	26.5	54.3	0.9
77	BS-CD-BD-EW-077	1.1	66.2	7.26	-134	5	26.5	71.3	1
78	BS-CD-BD-EW-078	0.19	66.8	7.21	-86	0.5	26.6	119.2	0.3
79	BS-CD-BD-EW-079	0.13	65.3	7.18	-97	5	26.9	108.0	0.2
80	BS-CD-BD-EW-080	0.13	78.6	7.16	-102	0.5	26.4	103.4	0.1
81	BS-CD-BD-EW-081	0.083	84	7.29	-126	0.5	26.6	79.2	0.05
82	BS-CD-BD-EW-082	0.00062	96.8	7.17	-56	0	26.6	149.2	0
83	BS-CD-BD-EW-083	0.086	67.9	7.25	82	2	26.5	287.3	0.06
84	BS-CD-BD-EW-084	0.45	70.5	7.27	-69	0.5	26.7	136.1	0.6
85	BS-CD-BD-EW-085	1.0	73.5	7.2	-66	1	26.5	139.3	1
86	BS-CD-BD-EW-086	0.20	80.6	7.21	-75	0.5	26.6	130.2	0.5
87	BS-CD-BD-EW-087	0.31	73.1	7.22	-92	0.5	26.6	113.2	0.2
88	BS-CD-BD-EW-088	0.23	69.1	7.26	-108	2	26.7	97.1	0.8
89	BS-CD-BD-EW-089	0.59	68.4	7.24	-119	5	26.6	86.2	1
90	BS-CD-BD-EW-090	0.55	65.1	7.21	-134	5	26.6	71.2	0.9
91	BS-CD-BD-EW-091	0.45	63.9	7.23	-125	5	26.9	80.0	1
92	BS-CD-BD-EW-092	0.42	63.2	7.19	-130	5	26.8	75.1	1
93	BS-CD-BD-EW-093	0.63	64	7.22	-139	5	26.6	66.2	1
94	BS-CD-BD-EW-094	0.66	64.4	7.16	-137	5	26.7	68.1	1
95	BS-CD-BD-EW-095	0.59	64.9	7.12	-143	10	26.8	62.1	1
96	BS-CD-BD-EW-096	0.59	64.6	7.19	-144	5	26.7	61.1	1
97	BS-CD-BD-EW-097	0.72	62.4	7.22	-146	10	26.7	59.1	1
98	BS-CD-BD-EW-098	0.32	62.2	7.22	-143	5	26.7	62.1	0.9
99	BS-CD-BD-EW-099	0.53	64.3	7.2	-143	5	26.7	62.1	1
100	BS-CD-BD-EW-100	0.14	76.8	7.4	-4	2	27	200.9	0.3
101	BS-CD-BD-EW-101	0.22	67.7	7.36	-68	2	27.1	136.9	0.6
102	BS-CD-BD-EW-102	0.45	62.2	7.35	-93	2	27.1	111.9	0.9
103	BS-CD-BD-EW-103	0.31	76.4	7.27	-136	5	27.3	68.7	1
104	BS-CD-BD-EW-104	0.070	68.5	7.29	-108	1	27.2	96.8	0.03
105	BS-CD-BD-EW-105	0.045	71.5	7.31	-138	2	27.2	66.8	0.05
106	BS-CD-BD-EW-106	0.16	71.9	7.28	-120	10	27.2	84.8	0.7
107	BS-CD-BD-EW-107	0.38	58.2	7.27	-138	2	27.5	66.6	1
108	BS-CD-BD-EW-108	0.22	78.9	7.25	-134	0.5	26.9	71.0	0.6
109	BS-CD-BD-EW-109	0.093	84.1	7.32	-134	1	26.6	71.2	0.04
110	BS-CD-BD-EW-110	0.18	81.9	7.23	-125	0.5	26.6	80.2	0.5
111	BS-CD-BD-EW-111	0.11	87.3	7.27	-129	2	26.6	76.2	0.5
112	BS-CD-BD-EW-112	0.0057	124	7.24	-93	0	26.4	112.4	0
113	BS-CD-BD-EW-113	<0.0005	134.4	7.43	-123	0	26.9	82.0	0
114	BS-CD-BD-EW-114	0.019	75.7	7.38	-137	2	26.3	68.4	0.01
115	BS-CD-BD-EW-115	0.065	70.2	7.35	-136	2	26.6	69.2	0.03
116	BS-CD-BD-EW-116	0.052	80.3	7.37	-130	0.5	26.3	75.4	0.01
117	BS-CD-BD-EW-117	0.054	69.8	7.39	-127	0.5	26.7	78.1	0.03
118	BS-CD-BD-EW-118	0.023	93.5	7.18	-116	2	26.6	89.2	0.02
119	BS-CD-BD-EW-119	0.029	75	7.3	-122	0.5	26.7	83.1	0
120	BS-CD-BD-EW-120	0.030	65.7	7.36	-100	2	26.5	105.3	0.01

**Table 1.2.1 Groundwater Quality in Bara Dudpatila Village in October 2000 (3/3)**

No.	Well	As by AAS (mg/l)	EC (mS/m)	pH (SU)	ORP (mV)	Fe <sup>2+</sup> (mg/l)	Temp (deg-C)	Eh (mV)	As by FK (mg/l)
121	BS-CD-BD-EW-121	0.068	78.6	7.28	-97	2	26.5	108.3	0.02
122	BS-CD-BD-EW-122	0.088	74	7.3	-40	2	26.4	165.4	0.02
123	BS-CD-BD-EW-123	0.092	95	7.02	-98	0.3	26.7	107.1	0.04
124	BS-CD-BD-EW-124	0.064	76.6	7.31	-118	0.5	26.6	87.2	0
125	BS-CD-BD-EW-125	0.070	67.8	7.3	-119	0.5	26.7	86.1	0.04
126	BS-CD-BD-EW-126	0.061	64.1	7.32	-119	0.5	26.9	86.0	0.01
127	BS-CD-BD-EW-127	0.10	52.3	7.32	-124	0	28.8	79.6	0.04
128	BS-CD-BD-EW-128	0.11	74.3	7.31	-87	0.2	27.3	117.7	0.04
129	BS-CD-BD-EW-129	0.25	84.3	7.29	-96	0.2	27.7	108.4	0.05
130	BS-CD-BD-EW-130	0.20	71.6	7.32	-87	0	27.1	117.9	0.06
131	BS-CD-BD-EW-131	0.15	81.3	7.31	-94	0	27.1	110.9	0.02
132	BS-CD-BD-EW-132	0.10	79.9	7.25	-83	0	27.3	121.7	0
133	BS-CD-BD-EW-133	0.074	91.5	7.33	-118	0.2	27.7	86.4	0.01
134	BS-CD-BD-EW-134	0.17	77.8	7.28	-107	0	27.1	97.9	0.05
135	BS-CD-BD-EW-135	0.055	77	7.37	-123	1	27.2	81.8	0.04
136	BS-CD-BD-EW-136	0.026	99.3	7.24	-82	0.2	28	122.2	0
137	BS-CD-BD-EW-137	0.023	93.9	7.19	-82	0	27.6	122.5	0
138	BS-CD-BD-EW-138	0.0010	102.3	7.19	-85	0	27.6	119.5	0
139	BS-CD-BD-EW-139	0.0070	101.4	7.3	-90	0	27.4	114.6	0
140	BS-CD-BD-EW-140	0.0082	125.9	7.14	-79	0	27.4	125.6	0
141	BS-CD-BD-EW-141	0.0054	99.8	7.27	-83	0	27.4	121.6	0
142	BS-CD-BD-EW-142	0.0092	103.2	7.24	-58	0	27.6	146.5	0
143	BS-CD-BD-EW-143	0.015	91.2	7.2	-49	0	27.6	155.5	0
144	BS-CD-BD-EW-144	0.053	83.1	7.17	-52	0	28.2	152.1	0
145	BS-CD-BD-EW-145	0.050	101.1	7.31	-61	0	28	143.2	0.03
146	BS-CD-BD-EW-146	0.041	58.9	7.56	-75	0	28	129.2	0
147	BS-CD-BD-EW-147	0.018	139.1	7.23	-50	0	27.7	154.4	0
148	BS-CD-BD-EW-148	0.14	80.6	7.43	-70	0	27.6	134.5	0.09
149	BS-CD-BD-EW-149	0.043	67.3	7.32	68	0	26.9	273.0	0
150	BS-CD-BD-EW-150	0.049	83.6	7.26	-68	0	27.6	136.5	0
151	BS-CD-BD-EW-151	0.037	66.5	7.2	8	0	26.8	213.1	0
152	BS-CD-BD-EW-152	0.050	65.7	7.4	-55	2	27.4	149.6	0.01
153	BS-CD-BD-EW-153	0.091	103.2	7.17	-74	0	27.5	130.6	0.04
154	BS-CD-BD-EW-154	0.64	63.1	7.51	-95	2	27.2	109.8	1
155	BS-CD-BD-EW-155	0.23	62.9	7.24	-123	5	26.8	82.1	0.4
156	BS-CD-BD-EW-156	0.33	66.6	7.2	-136	5	26.7	69.1	0.8
157	BS-CD-BD-EW-157	0.19	59.2	7.34	-97	2	26.1	108.6	0.4
158	BS-CD-BD-EW-158	0.089	64.3	7.35	-95	2	26.1	110.6	0.05
159	BS-CD-BD-EW-159	0.091	69.9	7.33	-111	2	26	94.6	0.1
160	BS-CD-BD-EW-160	0.17	67.1	7.42	-122	0.5	26.2	83.5	0.7
161	BS-CD-BD-EW-161	0.18	65.9	7.4	-108	2	25.9	97.7	0.3
162	BS-CD-BD-EW-162	0.16	61.8	7.38	-128	1	26.4	77.4	0.4
163	BS-CD-BD-EW-163	0.022	68.4	7.43	-60	2	25.8	145.8	0.02
164	BS-CD-BD-EW-164	0.046	70.2	7.3	-94	1	25.9	111.7	0
165	BS-CD-BD-EW-165	0.051	65.1	7.29	-99	0	25.9	106.7	0
166	BS-CD-BD-EW-166	0.14	86.6	7.18	-106	5	26.9	99.0	0.1
167	BS-CD-BD-EW-167	0.054	69.6	7.18	-8	0.5	27.1	196.9	0.02
168	BS-CD-BD-EW-168	0.19	91.8	7.08	-96	5	27.1	108.9	0.2
169	BS-CD-BD-EW-169	0.0098	68.2	7.31	80	0	26.8	285.1	0
170	BS-CD-BD-EW-170	0.034	70.2	7.07	68	1	27.2	272.8	0.01
171	BS-CD-BD-EW-171	0.044	66.6	7.17	42	1	27.1	246.9	0.02
172	BS-CD-BD-EW-172	<0.0005	68.5	7.32	84	0	26.8	289.1	0



**Table 1.2.2 Groundwater Quality in Krishna Chandrapur Village in October 2000 (1/2)**

No.	Well	As by AAS (mg/l)	EC (mS/m)	pH (SU)	ORP (mV)	Fe <sup>2+</sup> (mg/l)	Temp (deg-C)	Eh (mV)	As by FK (mg/l)
1	BS-JD-CC-EW-001	0.077	103.5	7.05	-60	0	26.5	145.3	0
2	BS-JD-CC-EW-002	0.024	102.5	7.07	-56	0	26.7	149.1	0.01
3	BS-JD-CC-EW-003	0.020	81.8	7.06	-91	2	27.2	113.8	0.03
4	BS-JD-CC-EW-004	0.033	93.8	7.11	-130	5	27.3	74.7	0.02
5	BS-JD-CC-EW-005	0.037	85.8	7.17	-122	5	27.2	82.8	0
6	BS-JD-CC-EW-006	0.091	89.0	7.13	-132	5	27	72.9	0.01
7	BS-JD-CC-EW-007	0.042	91.0	7.12	-125	5	27.7	79.4	0
8	BS-JD-CC-EW-008	<0.0005	101.2	7.17	-93	0	27.5	111.6	0
9	BS-JD-CC-EW-009	0.0030	113.5	7.04	-91	0.2	27.4	113.6	0
10	BS-JD-CC-EW-010	<0.0005	101.7	7.04	-70	0	27.4	134.6	0
11	BS-JD-CC-EW-011	0.049	77.8	7.21	-134	2	27.5	70.6	0.01
12	BS-JD-CC-EW-012	0.015	95.3	7.14	-64	0	27	140.9	0
13	BS-JD-CC-EW-013	0.083	87.2	7.26	-134	2	27.4	70.6	0.03
14	BS-JD-CC-EW-014	0.087	75.6	7.19	-129	10	27.4	75.6	0.01
15	BS-JD-CC-EW-015	0.025	107.3	7.05	-103	0.2	26.8	102.1	0
16	BS-JD-CC-EW-016	0.0072	71.6	7.13	-114	1	26.9	91.0	0
17	BS-JD-CC-EW-017	0.060	95.7	7.15	-138	5	26.8	67.1	0.04
18	BS-JD-CC-EW-018	0.0087	101.0	7.11	-118	2	28.1	86.1	0
19	BS-JD-CC-EW-019	0.014	108.5	7.01	-118	5	27.2	86.8	0
20	BS-JD-CC-EW-020	0.090	80.0	7.14	-83	5	27.6	121.5	0.01
21	BS-JD-CC-EW-021	0.0078	78.6	7.15	-72	0	27.3	132.7	0
22	BS-JD-CC-EW-022	0.00067	107.1	6.91	-60	0	27.2	144.8	0
23	BS-JD-CC-EW-023	0.24	87.0	7.11	-52	2	27	152.9	0.05
24	BS-JD-CC-EW-024	0.0019	89.4	7.20	-78	0	27.5	126.6	0
25	BS-JD-CC-EW-025	0.025	91.7	7.18	-86	2	27.5	118.6	0
26	BS-JD-CC-EW-026	0.34	110.0	7.13	-113	2	27.4	91.6	0.09
27	BS-JD-CC-EW-027	0.11	87.1	7.18	-126	2	27.3	78.7	0.01
28	BS-JD-CC-EW-028	0.095	93.3	7.11	-80	2	27.2	124.8	0.03
29	BS-JD-CC-EW-029	0.017	108.8	7.09	42	1	27.1	246.9	0
30	BS-JD-CC-EW-030	<0.0005	106.5	7.16	-57	0	27.5	147.6	0
31	BS-JD-CC-EW-031	0.00059	105.8	7.16	-46	0	27.3	158.7	0
32	BS-JD-CC-EW-032	0.055	70.0	7.07	-98	0.5	27.9	106.3	0
33	BS-JD-CC-EW-033	0.029	87.0	7.13	-99	0.2	27.4	105.6	0
34	BS-JD-CC-EW-034	0.035	68.4	7.08	-99	0.2	27.4	105.6	0
35	BS-JD-CC-EW-035	0.14	79.5	7.05	-72	5	27.2	132.8	0.01
36	BS-JD-CC-EW-036	0.16	42.6	7.15	-120	10	27.5	84.6	0.06
37	BS-JD-CC-EW-037	0.27	90.8	7.23	-147	10	27.3	57.7	0.05
38	BS-JD-CC-EW-038	0.20	71.4	7.11	-139	5	27.3	65.7	0.2
39	BS-JD-CC-EW-039	0.14	70.2	7.23	-142	5	27.4	62.6	0.02
40	BS-JD-CC-EW-040	0.023	73.1	7.18	-84	0.5	27.3	120.7	0.01
41	BS-JD-CC-EW-041	0.14	64.5	7.23	-127	2	27.1	77.9	0.05
42	BS-JD-CC-EW-042	0.19	68.0	7.21	-112	1	27.2	92.8	0.07
43	BS-JD-CC-EW-043	0.15	65.0	7.15	-133	5	27.4	71.6	0.6
44	BS-JD-CC-EW-044	0.33	83.1	7.11	-132	5	27.1	72.9	0.6
45	BS-JD-CC-EW-045	0.28	81.9	7.14	-139	5	27.3	65.7	0.6
46	BS-JD-CC-EW-046	0.19	79.9	7.16	-147	5	27.2	57.8	0.3
47	BS-JD-CC-EW-047	0.19	81.1	7.16	-148	5	27.2	56.8	0.3
48	BS-JD-CC-EW-048	0.17	67.7	7.26	-146	2	27.1	58.9	0.5
49	BS-JD-CC-EW-049	0.046	142.0	7.27	-117	0.2	27.3	87.7	0
50	BS-JD-CC-EW-050	0.10	99.8	7.15	-41	1	27.2	163.8	0.02
51	BS-JD-CC-EW-051	0.52	80.9	7.20	-68	5	26.7	137.1	0.8
52	BS-JD-CC-EW-052	0.16	78.2	7.16	-128	5	27	76.9	0.3
53	BS-JD-CC-EW-053	0.52	85.2	7.06	-142	10	27.1	62.9	1
54	BS-JD-CC-EW-054	0.88	82.3	7.12	-135	10	27.2	69.8	1
55	BS-JD-CC-EW-055	0.27	73.3	7.23	-126	10	26.9	79.0	0.09
56	BS-JD-CC-EW-056	0.34	81.8	7.13	-50	10	26.8	155.1	0.9
57	BS-JD-CC-EW-057	0.45	80.0	7.12	-114	10	26.9	91.0	1
58	BS-JD-CC-EW-058	0.88	91.5	7.12	-130	10	26.7	75.1	0.8
59	BS-JD-CC-EW-059	0.63	89.5	7.06	-144	10	27.5	60.6	1
60	BS-JD-CC-EW-060	0.84	78.9	7.10	-144	10	26.7	61.1	1

**Table 1.2.2 Groundwater Quality in Krishna Chandrapur Village in October 2000 (2/2)**

No.	Well	As by AAS (mg/l)	EC (mS/m)	pH (SU)	ORP (mV)	Fe <sup>2+</sup> (mg/l)	Temp (deg-C)	Eh (mV)	As by FK (mg/l)
61	BS-JD-CC-EW-061	0.10	83.9	7.19	-136	2	26.5	69.3	0.3
62	BS-JD-CC-EW-062	0.13	80.0	7.17	-132	20	26.9	73.0	0.3
63	BS-JD-CC-EW-063	0.19	83.9	7.14	-130	2	26.8	75.1	0.1
64	BS-JD-CC-EW-064	0.19	61.5	7.21	-148	5	26.5	57.3	0.1
65	BS-JD-CC-EW-065	0.50	81.2	7.18	-126	2	27	78.9	1
66	BS-JD-CC-EW-066	0.94	85.5	7.08	-143	10	27	61.9	1
67	BS-JD-CC-EW-067	0.69	77.6	7.16	-150	2	26.9	55.0	1
68	BS-JD-CC-EW-068	0.56	64.3	7.22	-128	0.5	27.3	76.7	1
69	BS-JD-CC-EW-069	0.95	78.5	7.09	-143	10	27	61.9	1
70	BS-JD-CC-EW-070	0.74	80.2	7.16	-145	10	27.1	59.9	1
71	BS-JD-CC-EW-071	0.50	89.0	7.02	-130	10	27	74.9	0.5
72	BS-JD-CC-EW-072	0.044	77.7	7.10	-110	10	27.1	94.9	0.04
73	BS-JD-CC-EW-073	<0.0005	159.6	7.02	-118	0	26.9	87.0	0
74	BS-JD-CC-EW-074	1.2	71.1	7.22	-126	10	27	78.9	0.5
75	BS-JD-CC-EW-075	0.47	72.6	7.18	-110	10	27.4	94.6	0.5
76	BS-JD-CC-EW-076	0.58	73.8	7.21	-130	5	27.5	74.6	0.6
77	BS-JD-CC-EW-077	0.84	92.4	7.06	-130	10	27.1	74.9	0.7
78	BS-JD-CC-EW-078	0.60	81.4	7.10	-120	1	27.1	84.9	1
79	BS-JD-CC-EW-079	0.52	87.3	7.20	-120	5	27.1	84.9	0.5
80	BS-JD-CC-EW-080	0.57	92.0	7.11	-110	5	27.2	94.8	1
81	BS-JD-CC-EW-081	0.63	94.1	7.08	-130	10	27.1	74.9	0.7
82	BS-JD-CC-EW-082	0.64	84.3	7.10	48	2	27.1	252.9	1
83	BS-JD-CC-EW-083	0.46	84.1	7.10	12	10	27.3	216.7	0.5
84	BS-JD-CC-EW-084	0.16	97.1	7.12	3	10	27.1	207.9	0.06
85	BS-JD-CC-EW-085	0.034	108.7	7.17	-3	10	27.2	201.8	0.03
86	BS-JD-CC-EW-086	0.049	87.0	7.20	-8	10	27.2	196.8	0.02
87	BS-JD-CC-EW-087	0.72	72.8	7.16	-110	10	27.4	94.6	1
88	BS-JD-CC-EW-088	0.85	68.8	7.22	-119	2	27.2	85.8	1
89	BS-JD-CC-EW-089	0.82	75.6	7.12	-113	10	27.4	91.6	1
90	BS-JD-CC-EW-090	0.86	73.7	7.14	-118	10	27.3	86.7	1
91	BS-JD-CC-EW-091	0.73	78.1	7.09	-123	10	27.2	81.8	1
92	BS-JD-CC-EW-092	0.12	67.7	7.20	-127	5	27.1	77.9	0.04
93	BS-JD-CC-EW-093	0.15	77.2	7.13	-110	10	27.6	94.5	0.09
94	BS-JD-CC-EW-094	0.74	75.6	7.15	-115	10	27.6	89.5	1
95	BS-JD-CC-EW-095	0.29	72.2	7.19	-115	10	27.4	89.6	0.05
96	BS-JD-CC-EW-096	0.74	73.2	7.15	-135	1	27.2	69.8	1
97	BS-JD-CC-EW-097	0.84	73.4	7.14	-127	5	27.4	77.6	1
98	BS-JD-CC-EW-098	0.53	69.8	7.19	-134	2	27.1	70.9	1
99	BS-JD-CC-EW-099	0.91	80.2	7.10	-142	10	27.5	62.6	1
100	BS-JD-CC-EW-100	0.65	88.8	7.05	-140	10	27.9	64.3	1
101	BS-JD-CC-EW-101	0.61	78.6	7.12	-138	10	27.6	66.5	1
102	BS-JD-CC-EW-102	0.39	79.9	7.12	-140	10	27.4	64.6	1
103	BS-JD-CC-EW-103	0.06	60.6	7.19	-142	5	27.4	62.6	0.03
104	BS-JD-CC-EW-104	0.14	83.9	7.03	-80	5	26.8	125.1	0.3
105	BS-JD-CC-EW-105	0.33	58.8	7.13	-52	2	26.7	153.1	0.6
106	BS-JD-CC-EW-106	0.29	58.4	7.15	-90	5	26.6	115.2	0.7
107	BS-JD-CC-EW-107	0.26	57.7	7.13	-101	1	26.4	104.4	1
108	BS-JD-CC-EW-108	0.17	53.0	7.15	-113	5	26.7	92.1	0.3
109	BS-JD-CC-EW-109	0.19	55.9	7.19	-126	5	26.7	79.1	0.2
110	BS-JD-CC-EW-110	0.088	57.4	7.49	-137	0	26.5	68.3	0.02
111	BS-JD-CC-EW-111	0.12	68.3	7.16	-121	5	26.8	84.1	0.07
112	BS-JD-CC-EW-112	0.18	60.6	7.15	-131	5	26.7	74.1	0.1
113	BS-JD-CC-EW-113	0.15	72.6	7.11	-132	5	26.5	73.3	0.06
114	BS-JD-CC-EW-114	0.20	55.0	7.15	-134	5	26.5	71.3	0.3
115	BS-JD-CC-EW-115	0.17	59.5	7.16	-138	5	26.6	67.2	0.1

**Table 1.2.3 Groundwater Quality in Rajnagar Banlabarsi Village in October 2000 (1/2)**

No.	Well	As by AAS (mg/l)	EC * (mS/m)	pH (SU)	ORP (mV)	Fe <sup>2+</sup> (mg/l)	Temp (deg-C)	Eh (mV)	As by FK (mg/l)
1	BS-JS-RB-EW-001	0.33	266	7.09	-163	10	26.4	42.4	0.3
2	BS-JS-RB-EW-002	0.32	270	7.08	-129	5	26.3	76.4	0.3
3	BS-JS-RB-EW-003	0.26	268	7	-115	2	26.4	90.4	0.4
4	BS-JS-RB-EW-004	0.36	271	7.07	-140	5	26.4	65.4	0.2
5	BS-JS-RB-EW-005	0.16	266	7.16	-146	2	26.3	59.4	0.4
6	BS-JS-RB-EW-006	0.30	251	6.84	-134	10	26.4	71.4	0.03
7	BS-JS-RB-EW-007	0.44	140	7.12	-156	5	27.1	48.9	0.4
8	BS-JS-RB-EW-008	0.38	-	7.14	-166	10	27.2	38.8	0.3
9	BS-JS-RB-EW-009	0.42	259	7.16	-152	2	27.2	52.8	0.4
10	BS-JS-RB-EW-010	0.38	-	7.16	-136	2	27.2	68.8	0.3
11	BS-JS-RB-EW-011	0.15	-	7.12	-135	5	27	69.9	0.06
12	BS-JS-RB-EW-012	0.12	262	7.05	-131	5	27.1	73.9	0
13	BS-JS-RB-EW-013	0.10	208	6.97	-118	5	26.9	87.0	0.04
14	BS-JS-RB-EW-014	0.10	223	6.95	-120	5	26.9	85.0	0.01
15	BS-JS-RB-EW-015	0.12	257	7.06	-134	5	27	70.9	0.06
16	BS-JS-RB-EW-016	0.15	269	7.11	-137	5	26.9	68.0	0.07
17	BS-JS-RB-EW-017	0.012	62	7.82	40	0	29.1	243.4	0
18	BS-JS-RB-EW-018	0.33	258	7.17	-144	2	27.2	60.8	1
19	BS-JS-RB-EW-019	0.73	268	7.14	-137	2	26.6	68.2	0.8
20	BS-JS-RB-EW-020	0.71	262	7.12	-141	2	27.1	63.9	0.8
21	BS-JS-RB-EW-021	0.91	265	7.15	-136	5	26.5	69.3	0.9
22	BS-JS-RB-EW-022	0.46	264	7.09	-147	2	27.1	57.9	0.9
23	BS-JS-RB-EW-023	0.50	-	7.13	-149	5	27	55.9	0.9
24	BS-JS-RB-EW-024	0.37	-	7.05	-125	2	26.9	80.0	0.5
25	BS-JS-RB-EW-025	0.38	256	7.08	-145	2	27	59.9	0.8
26	BS-JS-RB-EW-026	0.38	-	7.18	-167	5	26.9	38.0	1
27	BS-JS-RB-EW-027	0.51	-	7.17	-142	2	26.8	63.1	0.8
28	BS-JS-RB-EW-028	0.52	271	7.07	-137	5	27.1	67.9	0.8
29	BS-JS-RB-EW-029	0.68	268	7.19	-143	2	27.2	61.8	0.8
30	BS-JS-RB-EW-030	0.61	264	7.2	-146	2	27.1	58.9	0.7
31	BS-JS-RB-EW-031	0.40	216	6.9	-130	5	26.6	75.2	0.9
32	BS-JS-RB-EW-032	0.89	200	6.89	-133	5	26.5	72.3	1
33	BS-JS-RB-EW-033	0.58	240	6.95	-146	10	26.6	59.2	0.8
34	BS-JS-RB-EW-034	0.82	245	6.95	-122	5	26.6	83.2	0.9
35	BS-JS-RB-EW-035	0.48	-	6.89	-119	5	26.5	86.3	0.8
36	BS-JS-RB-EW-036	0.54	-	6.83	-124	5	26.9	81.0	0.9
37	BS-JS-RB-EW-037	0.62	222	6.86	-125	5	26.8	80.1	0.7
38	BS-JS-RB-EW-038	0.69	292	7.07	-150	5	27	54.9	0.8
39	BS-JS-RB-EW-039	0.52	228	6.87	-134	5	27.4	70.6	0.6
40	BS-JS-RB-EW-040	0.41	-	6.87	-122	5	26.5	83.3	0.7
41	BS-JS-RB-EW-041	0.27	-	7.07	-134	10	27	70.9	0.9
42	BS-JS-RB-EW-042	0.59	239	6.95	-134	10	26.3	71.4	0.8
43	BS-JS-RB-EW-043	0.52	287	7.03	-143	5	26.9	62.0	1
44	BS-JS-RB-EW-044	0.53	297	7.24	-122	5	26.1	83.6	0.9
45	BS-JS-RB-EW-045	0.60	244	6.87	-98	5	27.7	106.4	1
46	BS-JS-RB-EW-046	0.71	250	6.99	-149	10	26.3	56.4	1
47	BS-JS-RB-EW-047	0.70	-	7.01	-135	10	26.8	70.1	1
48	BS-JS-RB-EW-048	0.59	-	7.09	-135	10	26.6	70.2	1
49	BS-JS-RB-EW-049	0.54	238	7	-135	5	26.4	70.4	0.9
50	BS-JS-RB-EW-050	0.60	273	7.03	-128	5	26.5	77.3	0.7
51	BS-JS-RB-EW-051	0.60	250	7.22	-128	5	26.6	77.2	0.3
52	BS-JS-RB-EW-052	0.52	281	7.24	-135	2	26.8	70.1	0.5
53	BS-JS-RB-EW-053	0.061	-	6.93	-125	2	26.7	80.1	0.02
54	BS-JS-RB-EW-054	0.57	281	7.25	-135	2	26.5	70.3	0.4
55	BS-JS-RB-EW-055	0.76	279	7.27	-128	10	27.6	76.5	0.09
56	BS-JS-RB-EW-056	0.57	276	7.13	50	10	26.8	255.1	0.1
57	BS-JS-RB-EW-057	0.47	270	7.12	-114	10	26.9	91.0	0.8
58	BS-JS-RB-EW-058	0.55	284	7.12	-130	10	26.7	75.1	0.6
59	BS-JS-RB-EW-059	0.33	241	7.06	-144	10	26.7	61.1	0.5
60	BS-JS-RB-EW-060	0.24	266	7.1	-144	10	26.9	61.0	1



**Table 1.2.3 Groundwater Quality in Rajnagar Banlabarsi Village in October 2000 (2/2)**

No.	Well	As by AAS (mg/l)	EC * (mS/m)	pH (SU)	ORP (mV)	Fe <sup>2+</sup> (mg/l)	Temp (deg-C)	Eh (mV)	As by FK (mg/l)
61	BS-JS-RB-EW-061	0.40	280	7.19	-144	10	26.7	61.1	1
62	BS-JS-RB-EW-062	0.39	-	7.17	-132	2	26.9	73.0	0.1
63	BS-JS-RB-EW-063	0.70	280	7.14	-130	2	26.7	75.1	0.8
64	BS-JS-RB-EW-064	0.59	272	7.21	-148	5	26.6	57.2	0.6
65	BS-JS-RB-EW-065	0.66	276	7.21	-119	5	27.2	85.8	0.09
66	BS-JS-RB-EW-066	0.54	240	7.12	-110	5	27.7	94.4	0.03
67	BS-JS-RB-EW-067	0.74	277	7.19	-125	5	27.6	79.5	0.7
68	BS-JS-RB-EW-068	0.59	-	7.14	-132	5	27.8	72.4	0.07
69	BS-JS-RB-EW-069	0.50	285	7.09	-143	10	26.4	62.4	0.1
70	BS-JS-RB-EW-070	0.29	225	7.13	-133	5	26.4	72.4	0.4
71	BS-JS-RB-EW-071	0.47	271	7.21	-137	10	30	65.8	0.7
72	BS-JS-RB-EW-072	0.69	256	7.22	-126	5	26.9	79.0	0.5
73	BS-JS-RB-EW-073	0.81	274	7.13	-142	5	27.5	62.6	1
74	BS-JS-RB-EW-074		275						

\*EC: EC values were re-measured in February 2001.

**Table 1.2.4 Groundwater Quality in Bara Dudpatila Village in December 2000 (1/2)**

No.	Well	As by AAS (mg/l)	EC (mS/m)	pH (SU)	ORP (mV)	Fe <sup>2+</sup> (mg/l)	Temp (deg-C)	Eh (mV)	As by FK (mg/l)
1	BS-CD-BD-EW-001	0.00067	103.4	7.16	-40	0	25.8	165.8	0
2	BS-CD-BD-EW-002	<0.0005	102.6	7.22	-52	0	25.5	154.0	0
3	BS-CD-BD-EW-004	0.11	93.5	7.16	-55	1	25.9	150.7	0.02
4	BS-CD-BD-EW-005	0.12	99.3	7.15	-66	2	25.5	140.0	1
5	BS-CD-BD-EW-007	0.20	98.2	7.12	-210	0.5	25.7	-4.1	0.9
6	BS-CD-BD-EW-009	0.52	89.8	7.19	-248	2	25.5	-42.0	1
7	BS-CD-BD-EW-010	0.66	97.6	7.1	-103	2	25.7	102.9	1
8	BS-CD-BD-EW-011	0.10	117.3	7.19	-127	0	26	78.6	0.04
9	BS-CD-BD-EW-013	0.17	118.6	7.2	-148	0.5	25.8	57.8	0.2
10	BS-CD-BD-EW-014	0.12	111.5	7.22	-126	2	26	79.6	0.3
11	BS-CD-BD-EW-016	0.20	105	7.2	-126	1	25.7	79.9	0.5
12	BS-CD-BD-EW-017	0.014	129.4	7.15	-264	0	24.9	-57.6	0
13	BS-CD-BD-EW-019	0.012	119.8	7.18	56	0.5	22.3	264.3	0
14	BS-CD-BD-EW-020	<0.0005	128.2	7	-18	0	22	190.5	0
15	BS-CD-BD-EW-022	0.00068	108.3	7.18	-8	0	23	199.8	0
16	BS-CD-BD-EW-023	<0.0005	110.7	7.18	-52	0	22.4	156.2	0
17	BS-CD-BD-EW-025	<0.0005	72.8	7.12	24	2	22.4	232.2	0
18	BS-CD-BD-EW-026	<0.0005	49	7.28	-38	0	21.9	170.6	0
19	BS-CD-BD-EW-028	0.020	46.2	7.32	56	1	22.3	264.3	0
20	BS-CD-BD-EW-029	0.0030	54.5	7.31	12	0	22.6	220.1	0
21	BS-CD-BD-EW-031	0.00086	53.2	7.42	46	0	22.2	254.4	0
22	BS-CD-BD-EW-032	0.00074	58.2	7.36	48	0	22.1	256.5	0
23	BS-CD-BD-EW-034	0.042	58.1	7.31	32	0	22.3	240.3	0
24	BS-CD-BD-EW-035	0.016	62.4	7.25	-80	0	22.3	128.3	0
25	BS-CD-BD-EW-038	0.00086	74.6	7.31	-12	0	22.1	196.5	0
26	BS-CD-BD-EW-040	0.00051	95.1	7.17	-34	0	22.6	174.1	0
27	BS-CD-BD-EW-041	0.00074	89.7	7.16	63	0	22.9	270.9	0
28	BS-CD-BD-EW-043	0.14	71.2	7.18	-83	2	22.8	125.0	0.3
29	BS-CD-BD-EW-044	0.0010	88.2	7.09	86	0.5	23	293.8	0
30	BS-CD-BD-EW-046	0.00067	76.2	7.16	77	0	23.1	284.7	0
31	BS-CD-BD-EW-047	0.023	70.9	7.08	13	0	23.2	220.7	0.03
32	BS-CD-BD-EW-049	0.23	76	7.29	-47	5	25.2	159.2	0.5
33	BS-CD-BD-EW-050	0.33	70.7	7.22	-130	10	25.5	76.0	1
34	BS-CD-BD-EW-052	0.18	65.6	7.24	-135	10	24.8	71.5	0.05
35	BS-CD-BD-EW-053	0.23	75.3	7.15	-134	2	23.9	73.2	0.03
36	BS-CD-BD-EW-055	0.36	74.4	7.02	-123	2	24.4	83.8	1
37	BS-CD-BD-EW-056	0.13	69.7	7.23	-142	2	24.7	64.6	0.05
38	BS-CD-BD-EW-059	0.40	75	7.09	-128	10	25.5	78.0	1
39	BS-CD-BD-EW-060		70.7	7.2	-149	10	25.1	57.3	0.6
40	BS-CD-BD-EW-061	0.18	68.3	7.2	-115	10	24	92.1	0.4
41	BS-CD-BD-EW-062	0.63	66.5	7.22	-146	10	25.5	60.0	1
42	BS-CD-BD-EW-064	0.40	55.7	6.96	-53	5	19.8	157.1	1
43	BS-CD-BD-EW-065	0.35	78.8	7.17	-137	5	25	69.4	1
44	BS-CD-BD-EW-067	0.29	82.7	7.43	-128	10	25.5	78.0	1
45	BS-CD-BD-EW-068	0.72	84.6	7.24	-143	10	25.8	62.8	1
46	BS-CD-BD-EW-070	0.14	90.9	7.26	-132	0.5	24.5	74.7	0.3
47	BS-CD-BD-EW-071	0.12	70.1	7.32	-137	2	25.1	69.3	0.5
48	BS-CD-BD-EW-073	0.18	68.4	7.5	-149	1	24.9	57.4	1
49	BS-CD-BD-EW-074	0.44	73.4	7.29	-147	10	25.7	58.9	0.4
50	BS-CD-BD-EW-076	0.95	75.4	7.55	-137	0.5	24.8	69.5	1
51	BS-CD-BD-EW-077	0.40	70.7	7.46	-128	5	24	79.1	1
52	BS-CD-BD-EW-079	0.23	69.7	7.4	-111	2	25	95.4	0.06
53	BS-CD-BD-EW-080	0.090	78.4	7.2	-54	0.5	22.2	154.4	0.08
54	BS-CD-BD-EW-082	<0.0005	97.2	7.18	-64	0	22.4	144.2	0
55	BS-CD-BD-EW-083	0.30	68.3	7.23	-64	2	22.2	144.4	0.04
56	BS-CD-BD-EW-085	0.75	70	7.2	-50	1	22.4	158.2	1
57	BS-CD-BD-EW-086	0.25	83.8	7.54	-119	0.5	26.3	86.4	0.9
58	BS-CD-BD-EW-088	0.25	68	7.2	-90	2	22.4	118.2	0.9
59	BS-CD-BD-EW-089	0.33	70.3	7.3	-121	10	25.6	84.9	1
60	BS-CD-BD-EW-091	0.45	55.4	7.29	-138	10	25.6	67.9	1

**Table 1.2.4 Groundwater Quality in Bara Dudpatila Village in December 2000 (2/2)**

No.	Well	As by AAS (mg/l)	EC (mS/m)	pH (SU)	ORP (mV)	Fe <sup>2+</sup> (mg/l)	Temp (deg-C)	Eh (mV)	As by FK (mg/l)
61	BS-CD-BD-EW-092	0.38	65.5	7.29	-98	10	25.9	107.7	0.7
62	BS-CD-BD-EW-094	0.30	55.3	7.29	-138	2	25.5	68.0	1
63	BS-CD-BD-EW-095	0.45	55.4	7.25	-131	5	26	74.6	1
64	BS-CD-BD-EW-097	0.53	53.8	7.07	-57	5	20.7	152.5	1
65	BS-CD-BD-EW-098	0.23	52.6	7.01	-52	5	20.3	157.8	0.09
66	BS-CD-BD-EW-100	0.16	76.7	7.34	-115	5	26.2	90.5	0.06
67	BS-CD-BD-EW-101	0.16	69.8	7.34	-133	2	25.7	72.9	0.2
68	BS-CD-BD-EW-103	0.36	80.8	7.26	-125	10	25.2	81.2	1
69	BS-CD-BD-EW-104	0.031	76	7.36	-136	0.5	26.2	69.5	0.03
70	BS-CD-BD-EW-106	0.18	72.6	7	-64	2	20.6	145.5	0.2
71	BS-CD-BD-EW-107	0.19	53.1	6.98	-54	5	20.4	155.7	1
72	BS-CD-BD-EW-109	0.13	80	7.3	-125	1	22.3	83.3	0.05
73	BS-CD-BD-EW-110	0.22	80.3	7.24	-119	0.5	22.6	89.1	0.6
74	BS-CD-BD-EW-112	0.005	122.3	7.18	-58	0	22.2	150.4	0
75	BS-CD-BD-EW-113	0.00063	136.8	7.41	-119	0	22.3	89.3	0
76	BS-CD-BD-EW-115	0.060	70.6	7.31	-139	2	22.5	69.2	0.01
77	BS-CD-BD-EW-116	0.054	80.4	7.21	-120	2	22.4	88.2	0.02
78	BS-CD-BD-EW-118	0.017	92.6	7.15	-110	2	22.4	98.2	0
79	BS-CD-BD-EW-119	0.027	76.1	7.26	-118	1	25.6	87.9	0
80	BS-CD-BD-EW-121	0.065	76.4	7.26	-90	2	22.1	118.5	0.01
81	BS-CD-BD-EW-122	0.063	72.2	7.21	-36	2	22.4	172.2	0
82	BS-CD-BD-EW-124	0.022	75.8	7.29	-116	0.5	22.3	92.3	0
83	BS-CD-BD-EW-125	0.011	65	7.21	-100	1	25	106.4	0.06
84	BS-CD-BD-EW-127	0.11	52.1	7.31	-116	0	22.4	92.2	0
85	BS-CD-BD-EW-130	0.11	70.1	7.28	-42	0	24.1	165.0	0.04
86	BS-CD-BD-EW-131	0.15	80.6	7.34	-56	0	24.3	150.9	0
87	BS-CD-BD-EW-133	0.020	90.7	7.32	-117	0.5	22.3	91.3	0.01
88	BS-CD-BD-EW-134	0.21	76.5	7.23	-105	0	22.3	103.3	0
89	BS-CD-BD-EW-136	0.028	96.7	7.23	-52	0.2	23.6	155.4	0
90	BS-CD-BD-EW-137	<0.0005	94.5	7.16	-63	0	22.3	145.3	0
91	BS-CD-BD-EW-139	0.0033	98	7.21	-70	0	22	138.5	0
92	BS-CD-BD-EW-140	0.00068	120	7.1	-50	0	22.4	158.2	0
93	BS-CD-BD-EW-142	0.0060	105.1	7.26	-18	0	22.3	190.3	0
94	BS-CD-BD-EW-143	0.0072	44	7.11	-30	0	22.5	178.2	0
95	BS-CD-BD-EW-144	0.085	81.3	7.13	-50	0	23.2	157.7	0
96	BS-CD-BD-EW-145	0.062	98.4	7.25	-48	0	22.9	159.9	0.03
97	BS-CD-BD-EW-146	0.061	61.1	7.47	-30	0	24.6	176.7	0
98	BS-CD-BD-EW-148	0.26	60.1	7.32	-63	0	22.6	145.1	0.8
99	BS-CD-BD-EW-149	0.052	65.7	7.36	15	0	22.4	223.2	0
100	BS-CD-BD-EW-151	0.060	68.3	7.24	-15	0	23.9	192.2	0
101	BS-CD-BD-EW-152	0.072	63.6	7.32	-26	2	24	181.1	0.01
102	BS-CD-BD-EW-155	0.24	55.8	7.22	-139	10	25.8	66.8	0.3
103	BS-CD-BD-EW-156	0.26	64.3	7.37	-146	10	26	59.6	0.7
104	BS-CD-BD-EW-157	0.23	62.7	7.31	-138	10	25.4	68.1	0.7
105	BS-CD-BD-EW-161	0.25	57.3	7.03	-54	2	20.2	155.8	0.5
106	BS-CD-BD-EW-162	0.25	52	7.12	-60	5	19.8	150.1	0.6
107	BS-CD-BD-EW-163	0.033	68.4	7.41	-33	2	22.4	175.2	0
108	BS-CD-BD-EW-164	0.049	70.3	7.28	-63	0.5	22.4	145.2	0
109	BS-CD-BD-EW-166	0.25	38.6	7.34	-116	2	24.3	90.9	0.07
110	BS-CD-BD-EW-167	0.060	70.7	7.27	-147	2	25	59.4	0.05
111	BS-CD-BD-EW-169	0.013	77.2	7.22	-137	0	25	69.4	0
112	BS-CD-BD-EW-170	0.042	54.5	7.25	-129	0	23.6	78.4	0
113	BS-CD-BD-EW-172	0.0019	69.2	7.49	-122	0	23.7	85.3	0



**Table 1.2.5 Groundwater Quality in Krishna Chandrapur Village in December 2000 (1/2)**

No.	Well	As by AAS (mg/l)	EC (mS/m)	pH (SU)	ORP (mV)	Fe <sup>2+</sup> (mg/l)	Temp (deg-C)	Eh (mV)	As by FK (mg/l)
1	BS-JD-CC-EW-001	0.034	135.5	7.10	-110	2	22.8	98.0	0
2	BS-JD-CC-EW-002	0.013	90.6	7.13	-112	0	22.7	96.0	0
3	BS-JD-CC-EW-004	0.072	72.4	7.19	-90	2	22.6	118.1	0
4	BS-JD-CC-EW-005	0.041	80.0	7.14	-141	5	24.8	65.5	0
5	BS-JD-CC-EW-007	0.081	98.2	6.86	-101	5	24.7	105.6	0
6	BS-JD-CC-EW-008	0.0011	102.5	7.11	-90	0	22.8	118.0	0
7	BS-JD-CC-EW-010	<0.0005	108.6	7.04	41	0	24.5	247.7	0
8	BS-JD-CC-EW-011	0.053	75.6	7.16	-136	2	24.8	70.5	0
9	BS-JD-CC-EW-013	0.088	78.8	7.17	-120	1	22.8	88.0	0
10	BS-JD-CC-EW-015	0.0085	109.6	7.02	-123	0.5	24.6	83.7	0
11	BS-JD-CC-EW-016	0.010	78.3	7.19	-102	0.5	24.7	104.6	0
12	BS-JD-CC-EW-017	0.097	103.5	7.06	-96	5	23.2	111.7	0
13	BS-JD-CC-EW-019	0.016	92.2	7.09	57	2	24.6	263.7	0
14	BS-JD-CC-EW-020	0.071	75.3	7.15	-136	5	24.7	70.6	0.03
15	BS-JD-CC-EW-022	<0.0005	115.0	6.98	-30	0	25.5	176.0	0
16	BS-JD-CC-EW-023	0.24	91.5	7.06	-103	5	24.3	103.9	0.1
17	BS-JD-CC-EW-025	0.031	100.5	7.07	-80	5	25.3	126.2	0.01
18	BS-JD-CC-EW-026	0.26	117.2	7.06	-100	5	25.2	106.2	0.05
19	BS-JD-CC-EW-028	0.27	103.7	7.08	-82	5	25.4	124.1	0.07
20	BS-JD-CC-EW-029	0.012	120.6	7.14	-8	1	25.2	198.2	0
21	BS-JD-CC-EW-031	0.0011	127.6	7.10	80	0	25.3	286.2	0
22	BS-JD-CC-EW-032	0.048	72.2	7.05	-17	2	23.9	190.2	0.4
23	BS-JD-CC-EW-034	0.044	71.0	7.11	-67	0.5	24.5	139.7	0.01
24	BS-JD-CC-EW-035	0.21	77.2	7.17	-115	5	24.6	91.7	0.01
25	BS-JD-CC-EW-037	0.31	87.6	7.19	-111	5	23.9	96.2	0.01
26	BS-JD-CC-EW-038	0.38	76.0	7.08	-118	10	25.9	87.7	0.07
27	BS-JD-CC-EW-040	0.083	77.3	7.18	-127	0	24.8	79.5	0
28	BS-JD-CC-EW-041	0.15	68.0	7.17	-94	2	25.6	111.9	0.02
29	BS-JD-CC-EW-043	0.21	67.9	7.15	-109	5	25.7	96.9	0.5
30	BS-JD-CC-EW-044	0.18	81.5	7.08	-133	5	25.7	72.9	0.06
31	BS-JD-CC-EW-046	0.17	79.1	7.15	-140	10	25.9	65.7	0.01
32	BS-JD-CC-EW-047	0.17	72.6	7.14	-128	10	25.6	77.9	0
33	BS-JD-CC-EW-049	0.061	110.0	7.22	-121	0.5	25.6	84.9	0
34	BS-JD-CC-EW-050	0.091	94.9	7.24	-135	0.5	25.6	70.9	0
35	BS-JD-CC-EW-052	0.17	67.0	7.14	-104	5	25.3	102.2	0
36	BS-JD-CC-EW-053	0.69	76.7	7.06	-132	10	25.3	74.2	1
37	BS-JD-CC-EW-056	0.38	78.6	7.10	-130	10	24.8	76.5	0.6
38	BS-JD-CC-EW-058	0.38	87.0	7.07	-143	5	24.6	63.7	0.09
39	BS-JD-CC-EW-059	0.48	97.5	7.02	-80	5	24.6	126.7	0.06
40	BS-JD-CC-EW-061	0.15	81.1	7.10	-107	5	24.6	99.7	0
41	BS-JD-CC-EW-062	0.14	75.8	7.18	-128	2	22.9	79.9	0.02
42	BS-JD-CC-EW-064	0.22	62.3	7.15	-140	5	24.9	66.4	0.02
43	BS-JD-CC-EW-065	0.63	72.8	7.05	-132	10	24.8	74.5	0.4
44	BS-JD-CC-EW-067	0.80	84.6	7.13	-104	10	24.6	102.7	0.6
45	BS-JD-CC-EW-068	0.71	87.4	6.99	-131	10	25.4	75.1	0.7
46	BS-JD-CC-EW-070	0.81	71.9	7.12	-141	10	25.0	65.4	0.09
47	BS-JD-CC-EW-071	0.21	103.4	7.08	-104	5	22.7	104.0	0
48	BS-JD-CC-EW-073	<0.0005	154.6	6.95	-125	0	24.5	81.7	0
49	BS-JD-CC-EW-074	0.44	59.7	7.20	-102	2	22.9	105.9	0.01
50	BS-JD-CC-EW-076	0.25	75.0	7.27	-127	0	23.7	80.3	0.02
51	BS-JD-CC-EW-077	0.77	87.6	7.03	-109	10	24.2	97.9	1
52	BS-JD-CC-EW-079	0.39	66.2	7.18	-149	5	25.3	57.2	1
53	BS-JD-CC-EW-080	0.38	90.9	7.04	-127	5	25.0	79.4	0.07
54	BS-JD-CC-EW-082	0.35	82.5	7.06	-130	2	24.9	76.4	0.06
55	BS-JD-CC-EW-083	0.29	83.2	7.08	-131	10	24.6	75.7	0.04
56	BS-JD-CC-EW-085	0.051	102.2	7.18	-135	2	24.0	72.1	0
57	BS-JD-CC-EW-086	0.071	88.8	7.21	-135	2	23.9	72.2	0.01
58	BS-JD-CC-EW-088	0.56	65.5	7.21	-121	0.5	23.5	86.4	1
59	BS-JD-CC-EW-089	0.52	72.6	7.10	-141	10	24.8	65.5	1
60	BS-JD-CC-EW-091	0.52	76.9	7.05	-136	10	25.5	70.0	1

**Table 1.2.5 Groundwater Quality in Krishna Chandrapur Village in December 2000 (2/2)**

No.	Well	As by AAS (mg/l)	EC (mS/m)	pH (SU)	ORP (mV)	Fe <sup>2+</sup> (mg/l)	Temp (deg-C)	Eh (mV)	As by FK (mg/l)
61	BS-JD-CC-EW-092	0.12	66.3	7.16	-141	0	25.6	64.9	0.01
62	BS-JD-CC-EW-094	0.74	76.3	7.10	-133	10	25.6	72.9	1
63	BS-JD-CC-EW-095	0.12	72.5	7.24	-140	5	25.6	65.9	0
64	BS-JD-CC-EW-097	0.60	73.5	7.12	-128	5	25.9	77.7	1
65	BS-JD-CC-EW-098	0.55	71.3	7.23	-146	5	26.8	59.1	1
66	BS-JD-CC-EW-100	0.54	86.8	7.07	-128	10	25.2	78.2	0.7
67	BS-JD-CC-EW-101	0.69	78.1	7.12	-122	5	25.7	83.9	1
68	BS-JD-CC-EW-103	0.063	61.8	7.20	-120	5	27.3	84.7	0
69	BS-JD-CC-EW-104	0.18	82.6	7.06	-104	5	25.6	101.9	0.05
70	BS-JD-CC-EW-106	0.27	58.1	7.12	-94	5	25.1	112.3	0.02
71	BS-JD-CC-EW-107	0.49	58.1	6.96	105	2	24.8	311.5	0.03
72	BS-JD-CC-EW-109	0.30	59.9	7.20	-139	5	26.2	66.5	0.03
73	BS-JD-CC-EW-110	0.10	61.0	7.08	-110	5	24.7	96.6	0.06
74	BS-JD-CC-EW-112	0.27	61.3	7.12	-52	5	26.0	153.6	0.1
75	BS-JD-CC-EW-113	0.24	72.9	7.11	-99	5	25.6	106.9	0.3
76	BS-JD-CC-EW-115	0.21	61.1	7.71	-125	5	25.6	80.9	0.01

**Table 1.2.6 Groundwater Quality in Rajnagar Banlabarsi Village in December 2000**

No.	Well	As by AAS (mg/l)	EC (mS/m)	pH (SU)	ORP (mV)	Fe <sup>2+</sup> (mg/l)	Temp (deg-C)	Eh (mV)	As by FK (mg/l)
1	BS-JS-RB-EW-001	0.38	265	7.14	-90	2	25.1	116.3	0.8
2	BS-JS-RB-EW-002	0.44	266	7.15	-88	2	22.9	119.9	0.1
3	BS-JS-RB-EW-003	0.34	268	7.07	-93	2	23.4	114.5	0.2
4	BS-JS-RB-EW-004	0.44	269	7.15	-89	2	24.5	117.7	0.05
5	BS-JS-RB-EW-005	0.45	264	7.30	-107	2	24.6	99.7	0.5
6	BS-JS-RB-EW-007	0.46	267	7.27	-101	1	24.3	105.9	0.04
7	BS-JS-RB-EW-008	0.37	269	7.13	-94	5	25.1	112.3	0.03
8	BS-JS-RB-EW-010	0.57	270	7.16	-106	5	24.9	100.4	0.02
9	BS-JS-RB-EW-011	0.12	148	6.91	-5	5	24.0	202.1	0.02
10	BS-JS-RB-EW-012	0.17	255	7.06	-44	2	23.6	163.4	0.02
11	BS-JS-RB-EW-013	0.17	210	7.00	-47	5	23.4	160.5	0.02
12	BS-JS-RB-EW-014	0.14	219	7.02	-50	5	23.3	157.6	0.01
13	BS-JS-RB-EW-017	0.0014	74.1	7.74	-1	0	24.2	205.9	0
14	BS-JS-RB-EW-019	0.80	271	7.09	-100	5	25.3	106.2	0.4
15	BS-JS-RB-EW-020	0.76	271	7.01	-79	2	24.1	128.0	0.3
16	BS-JS-RB-EW-023	0.66	270	7.15	-133	5	24.8	73.5	1
17	BS-JS-RB-EW-025	0.41	258	7.14	-124	5	25.6	81.9	0.9
18	BS-JS-RB-EW-026	0.92	258	7.16	-112	5	25.0	94.4	1
19	BS-JS-RB-EW-028	0.59	268	7.07	-125	5	25.3	81.2	0.8
20	BS-JS-RB-EW-030	1.2	263	7.11	-132	5	25.7	73.9	1
21	BS-JS-RB-EW-031	0.84	216	6.96	-121	10	25.0	85.4	1
22	BS-JS-RB-EW-032	0.82	217	6.93	-117	10	24.7	89.6	1
23	BS-JS-RB-EW-034	0.98	249	6.96	-122	10	25.0	84.4	1
24	BS-JS-RB-EW-035	0.63	228	6.90	-115	10	24.9	91.4	1
25	BS-JS-RB-EW-037	0.79	248	6.99	-118	5	24.9	88.4	0.5
26	BS-JS-RB-EW-038	0.72	288	7.05	-129	10	25.2	77.2	1
27	BS-JS-RB-EW-041	0.75	275	7.06	-117	10	25.2	89.2	1
28	BS-JS-RB-EW-043	0.86	285	6.99	-90	5	23.9	117.2	0.7
29	BS-JS-RB-EW-044	0.55	297	7.12	-118	5	25.3	88.2	0.5
30	BS-JS-RB-EW-045	0.61	255	6.89	-115	10	24.2	91.9	0.9
31	BS-JS-RB-EW-046	0.19	274	7.02	-127	5	24.6	79.7	0.5
32	BS-JS-RB-EW-047	0.19	235	7.09	-135	5	24.5	71.7	0.8
33	BS-JS-RB-EW-049	0.32	235	7.12	-41	5	25.0	165.4	0.4
34	BS-JS-RB-EW-050	0.39	268	7.17	-120	5	25.2	86.2	0.1
35	BS-JS-RB-EW-051	0.38	247	7.29	-90	2	21.6	118.8	0.2
36	BS-JS-RB-EW-052	0.34	278	7.22	-103	2	24.8	103.5	0.5
37	BS-JS-RB-EW-055	0.44	275	7.19	-90	5	24.8	116.5	0.09
38	BS-JS-RB-EW-056	0.20	268	7.16	24	5	25.1	230.3	0.09
39	BS-JS-RB-EW-058	0.28	139.5	7.15	-28	2	22.9	179.9	0.6
40	BS-JS-RB-EW-059	0.34	240	7.11	-14	10	22.7	194.0	0.3
41	BS-JS-RB-EW-061	0.53	278	7.20	-68	5	22.3	140.3	1
42	BS-JS-RB-EW-062	0.13	178.9	7.30	-120	5	22.1	88.5	0.7
43	BS-JS-RB-EW-064	0.13	249	7.25	44	2	22.8	252.0	0.6
44	BS-JS-RB-EW-065	0.16	275	7.36	48	2	23.3	255.6	0.09
45	BS-JS-RB-EW-067	0.31	272	7.18	-63	2	23.0	144.8	0.6
46	BS-JS-RB-EW-068	0.15	243	7.19	-53	2	22.4	155.2	0.07
47	BS-JS-RB-EW-070	0.19	231	7.11	-109	5	24.4	97.8	0.6
48	BS-JS-RB-EW-071	0.49	268	7.15	-77	5	22.2	131.4	0.5
49	BS-JS-RB-EW-072	0.48	255	7.20	-76	5	22.6	132.1	0.4
50	BS-JS-RB-EW-073	0.46	265	7.18	-101	2	24.5	105.7	1

**Table 1.2.7 Results of Baseline Survey (Existing Well)**

Analyte	pH	Temperature	Conductivity	Hardness	TDS	Nitrate	Nitrite	Ammonium	Dissolved Mn	Sulfate	Dissolved Fe	Chloride	Bicarbonate	Calcium	Magnesium	Sodium	Potassium	Fluoride	Cadmium	Total Cr	Copper	Cyanide	Lead	Mercury	Nickel	Zinc	COD
Method	pH meter	Thermo meter	Conductivity meter	Standard	Standard	SP	SP	SP	FAAS	SP	FAAS	SP	Titration	FAAS	FAAS	FAAS	FAAS	SP	Extraction/FAAS	Extraction/FAAS	Extraction/FAAS	SP	Extraction/FAAS	Extraction/FAAS	Extraction/FAAS	Extraction/FAAS	Titration
Practical Quantitation Limit	0	0 Deg C	0.02	0.5	0.13	0.2	0.02	0.1	0.08	5	0.2	0.6	20	0.5	0.05	0.05	0.1	0.1	0.0015	0.025	0.005	0.01	0.005	0.001	0.005	0.005	20
Unit		Deg C	mS/m	mg CaCO3/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg CaCO3/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Sample No	pH	Temp	EC	Hardness	TDS	NO3	NO2	NH4	Mn	SO4	Fe	Cl	HCO3	Ca	Mg	Na	K	F	Cd	Cr	Cu	CN	Pb	Hg	Ni	Zn	COD
BS-CDBd-EW-006	6.95	23.9	79.3	122	508	23	3.9	<PQL	0.83	<PQL	1.7	33	455	110	20	16	5.8	0.53	<PQL	<PQL	0.032	0.016	0.0060	<PQL	0.020	<PQL	<PQL
BS-CDBd-EW-050	7.04	24.5	58.2	119	372	2.3	4.0	<PQL	1.1	<PQL	2.4	4.6	376	97	22	16	4.3	0.41	<PQL	0.066	0.012	<PQL	0.0092	<PQL	<PQL	<PQL	<PQL
BS-CDBd-EW-060	7.15	25.3	63.0	116	403	<PQL	<PQL	4.3	1.1	14	2.1	9.5	394	94	23	6.5	2.5	0.42	<PQL	<PQL	<PQL	<PQL	<PQL	<PQL	<PQL	<PQL	<PQL
BS-CDBd-EW-115	7.15	24.3	49.6	126	317	12	1.7	<PQL	0.29	<PQL	1.0	25	350	110	20	14	3.4	0.34	<PQL	<PQL	<PQL	<PQL	0.014	<PQL	0.0068	<PQL	<PQL
BS-CDBd-EW-168	7.09	24.3	52.2	98.5	334	16	2.7	<PQL	0.85	<PQL	1.0	1.3	350	85	13	6.7	2.0	0.57	<PQL	<PQL	<PQL	0.010	<PQL	<PQL	<PQL	<PQL	<PQL
BS-JDCc-EW-044	7.01	23.1	76.8	155	492	11	0.27	2.5	0.40	<PQL	2.6	1.7	512	120	32	11	3.4	0.22	<PQL	<PQL	<PQL	0.012	<PQL	<PQL	<PQL	<PQL	<PQL
BS-JDCc-EW-060	7.08	23.7	74.4	128	476	<PQL	<PQL	6.7	0.18	<PQL	8.2	37	420	100	28	14	3.9	0.40	<PQL	0.054	0.016	<PQL	0.014	<PQL	0.029	<PQL	<PQL
BS-JDCc-EW-091	6.92	23.7	74.7	119	478	<PQL	<PQL	9.4	<PQL	<PQL	0.48	4.8	455	89	30	16	2.6	0.30	<PQL	<PQL	<PQL	<PQL	<PQL	<PQL	<PQL	<PQL	39
BS-JDCc-EW-092	7.29	24.2	64.5	117	413	0.26	<PQL	2.6	<PQL	<PQL	0.44	1.7	411	94	23	12	1.2	0.32	<PQL	<PQL	<PQL	<PQL	<PQL	<PQL	<PQL	<PQL	39
BS-JDCc-EW-093	7.07	23.5	73.8	138	472	<PQL	<PQL	1.7	<PQL	<PQL	0.31	1.3	473	110	26	15	3.9	<PQL	<PQL	<PQL	<PQL	0.014	<PQL	<PQL	<PQL	<PQL	39
BS-JSRb-EW-001	7.26	24.9	251	122	1800	<PQL	<PQL	2.9	<PQL	<PQL	0.73	320	595	80	42	350	3.8	0.38	<PQL	<PQL	<PQL	<PQL	<PQL	<PQL	0.022	<PQL	44
BS-JSRb-EW-012	7.09	25.3	247	153	1580	<PQL	<PQL	2.0	<PQL	<PQL	2.1	540	510	110	47	300	8.2	0.37	<PQL	<PQL	<PQL	<PQL	<PQL	<PQL	0.0069	0.0051	<PQL
BS-JSRb-EW-026	7.01	23.0	246	117	1570	<PQL	<PQL	2.4	<PQL	<PQL	2.5	370	608	79	38	360	6.5	0.59	<PQL	<PQL	0.0056	<PQL	<PQL	<PQL	0.016	<PQL	<PQL
BS-JSRb-EW-035	6.87	24.1	199	155	1270	<PQL	<PQL	27	<PQL	<PQL	3.7	300	757	110	42	260	6.3	0.41	<PQL	<PQL	<PQL	<PQL	<PQL	<PQL	0.010	<PQL	<PQL
BS-JSRb-EW-048	7.28	25.3	267	135	1710	<PQL	<PQL	3.8	<PQL	6.6	4.2	490	569	93	42	410	7.7	0.33	<PQL	<PQL	<PQL	<PQL	<PQL	<PQL	0.016	<PQL	<PQL

Excess of WHO guideline
Excess of Bangladesh Standard
Excess of both Bangladesh Standard and WHO guideline

(The values were determined as exceeding the standards before rounding off)



Table 1.2.8 Results of Baseline Survey (Pond)

Analyte	pH	Temperature	Conductivity	Hardness	TDS	Nitrate	Nitrite	Ammonium	Dissolved Mn	Sulfate	Dissolved Fe	Chloride	Bicarbonate	Calcium	Magnesium	Sodium	Potassium	Fluoride	Cadmium	Total Cr	Copper	Cyanide	Lead	Mercury	Nickel	Zinc	COD
Method	pH meter	Thermo meter	Conductivity meter	Standard	Standard	SP	SP	SP	FAAS	SP	FAAS	SP	Titration	FAAS	FAAS	FAAS	FAAS	SP	Extractio n/ FAAS	Extractio n/ FAAS	Extractio n/ FAAS	SP	Extractio n/ FAAS	Extractio n/ FAAS	Extractio n/ FAAS	Extractio n/ FAAS	Titration
Practical Quantitation Limit	0	0 Deg C	0.02	0.5	0.13	0.2	0.02	0.1	0.08	5	0.2	0.6	20	0.5	0.05	0.05	0.1	0.1	0.0015	0.025	0.005	0.01	0.005	0.001	0.005	0.005	20
Unit		Deg C	mS/m	mg CaCO3/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg CaCO3/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Sample No	pH	Temp	EC	Hardness	TDS	NO3	NO2	NH4	Mn	SO4	Fe	Cl	HCO3	Ca	Mg	Na	K	F	Cd	Cr	Cu	CN	Pb	Hg	Ni	Zn	COD
BS-CDBd-P-01	7.54	23.7	23.8	39.4	152	<PQL	<PQL	0.45	<PQL	<PQL	<PQL	7.5	140	32	7.5	13	6.5	0.35	<PQL	<PQL	<PQL	0.029	<PQL	<PQL	<PQL	<PQL	<PQL
BS-CDBd-P-02	7.10	23.4	11.1	19.9	71.1	<PQL	<PQL	0.34	<PQL	<PQL	<PQL	4.1	67.8	17	2.9	2.7	5.1	0.33	<PQL	<PQL	<PQL	0.033	<PQL	<PQL	<PQL	<PQL	<PQL
BS-JDCc-P-01	7.36	23.6	35.0	28.5	224	42	5.8	4.8	<PQL	7.4	<PQL	7.5	184	25	14	24	4.3	2.0	<PQL	<PQL	<PQL	0.018	<PQL	<PQL	<PQL	<PQL	<PQL
BS-JDCc-P-02	7.39	23.9	15.8	34.2	101	2.8	0.020	1.1	0.10	<PQL	<PQL	3.5	87.5	34	0.20	4.1	7.1	1.4	<PQL	<PQL	<PQL	0.046	<PQL	<PQL	<PQL	<PQL	<PQL
BS-JDCc-P-03	7.05	23.7	25.0	34.5	160	18	1.2	2.6	0.16	7.3	<PQL	5.0	123	32	2.0	7.4	2.0	3.6	<PQL	<PQL	0.0070	0.052	<PQL	<PQL	0.0056	<PQL	39
BS-JDCc-P-04	7.41	23.8	38.9	16.6	249	0.82	0.030	0.82	<PQL	<PQL	<PQL	2.3	219	14	13	31	7.0	0.63	<PQL	<PQL	<PQL	0.029	<PQL	<PQL	0.0054	<PQL	78
BS-JDCc-P-05	7.47	24.2	30.3	23.4	194	1.8	0.10	0.18	0.096	<PQL	<PQL	3.9	175	20	13	8.2	7.1	0.26	<PQL	<PQL	<PQL	0.019	<PQL	<PQL	<PQL	<PQL	78
BS-JSRb-P-01	7.72	24.1	30.0	24.9	192	1.2	<PQL	0.20	<PQL	6.9	<PQL	11	131	20	4.8	18	6.0	0.34	<PQL	<PQL	<PQL	<PQL	<PQL	<PQL	<PQL	0.0077	<PQL
BS-JSRb-P-02	7.32	22.4	32.8	39.6	210	<PQL	<PQL	0.41	<PQL	<PQL	<PQL	8.4	156	30	9.7	20	4.5	0.49	<PQL	<PQL	<PQL	0.029	0.011	<PQL	0.0090	0.0093	38
BS-JSRb-P-03	7.88	24.3	37.2	34.8	238	<PQL	<PQL	0.21	<PQL	7.1	<PQL	28	144	27	7.8	38	2.2	0.34	<PQL	<PQL	<PQL	0.013	<PQL	<PQL	<PQL	0.011	<PQL
BS-JSRb-P-04	7.95	23.9	35.7	45.0	228	0.80	0.070	0.68	<PQL	<PQL	<PQL	24	144	31	14	21	9.7	0.31	<PQL	<PQL	<PQL	<PQL	<PQL	<PQL	<PQL	<PQL	<PQL
BS-JSRb-P-05	7.30	23.7	48.4	41.0	310	<PQL	<PQL	0.30	<PQL	7.4	<PQL	52	136	30	11	46	4.0	0.44	<PQL	<PQL	<PQL	0.013	<PQL	<PQL	0.0059	<PQL	<PQL
BS-JSRb-P-06	7.80	23.5	96.6	75.0	618	0.31	<PQL	0.51	<PQL	7.9	<PQL	5.6	256	55	7.3	46	14	1.9	<PQL	<PQL	<PQL	0.014	<PQL	<PQL	<PQL	<PQL	<PQL
BS-JSRb-P-07	7.80	23.1	35.8	43.8	229	1.4	<PQL	0.78	<PQL	<PQL	<PQL	24	152	31	7.2	15	30	0.27	<PQL	<PQL	<PQL	<PQL	<PQL	<PQL	<PQL	<PQL	<PQL
BS-JSRb-P-08	7.40	23.0	57.2	36.7	366	<PQL	<PQL	1.1	<PQL	6.1	<PQL	59	184	26	11	44	48	2.2	<PQL	<PQL	<PQL	0.013	<PQL	<PQL	0.0079	<PQL	<PQL
BS-JSRb-P-09	7.50	22.7	48.8	48.3	312	<PQL	<PQL	0.34	<PQL	6.8	<PQL	59	192	37	12	26	7.6	0.31	<PQL	<PQL	<PQL	<PQL	<PQL	<PQL	0.0062	<PQL	<PQL
BS-JSRb-P-10	7.70	23.1	64.8	63.6	415	0.23	<PQL	0.33	<PQL	<PQL	<PQL	97	208	47	17	43	7.4	0.33	<PQL	<PQL	<PQL	<PQL	<PQL	<PQL	<PQL	<PQL	<PQL
BS-JSRb-P-11	7.56	23.7	29.0	36.1	186	<PQL	<PQL	0.44	0.086	<PQL	<PQL	2.9	140	30	5.9	11	5.9	0.30	<PQL	<PQL	<PQL	0.018	<PQL	<PQL	<PQL	<PQL	<PQL
BS-JSRb-P-12	7.57	23.7	45.7	27.8	292	<PQL	<PQL	0.36	<PQL	5.8	<PQL	25	175	24	4.3	29	62	0.47	<PQL	<PQL	<PQL	0.036	<PQL	<PQL	<PQL	<PQL	78
BS-JSRb-P-13	7.43	23.4	29.7	44.0	190	3.8	0.43	0.25	<PQL	6.8	<PQL	4.3	158	34	9.9	6.9	6.3	0.39	<PQL	<PQL	<PQL	<PQL	<PQL	<PQL	<PQL	<PQL	<PQL
BS-JSRb-P-14	6.97	24.3	40.8	41.5	261	16	6.6	0.19	<PQL	<PQL	<PQL	36	140	32	9.8	32	5.0	0.49	<PQL	<PQL	<PQL	0.017	<PQL	<PQL	0.0056	<PQL	39
BS-JSRb-P-15	7.61	24.2	48.5	25.8	310	2.4	0.10	0.45	<PQL	<PQL	<PQL	39	171	19	6.4	41	2.4	0.46	<PQL	<PQL	<PQL	<PQL	<PQL	<PQL	0.0081	<PQL	39
BS-JSRb-P-16	7.57	22.5	25.4	37.5	163	13	0.95	0.59	<PQL	<PQL	<PQL	4.8	140	30	7.0	11	3.5	1.1	<PQL	<PQL	<PQL	0.015	<PQL	<PQL	<PQL	<PQL	<PQL
BS-JSRb-P-17	7.02	22.4	44.5	35.8	285	2.0	0.27	0.23	<PQL	5.8	<PQL	26	158	26	9.4	34	2.4	2.4	<PQL	<PQL	<PQL	0.031	<PQL	<PQL	<PQL	<PQL	78
BS-JSRb-P-18	7.40	22.6	55.2	57.0	353	4.6	0.64	0.25	<PQL	8.0	<PQL	38	223	40	17	37	40	0.50	<PQL	<PQL	<PQL	<PQL	<PQL	<PQL	0.0061	<PQL	39
BS-JSRb-P-19	7.17	21.9	23.2	38.6	148	7.1	0.72	0.38	<PQL	7.7	<PQL	2.8	122	36	2.5	5.7	7.0	0.59	<PQL	<PQL	<PQL	0.034	<PQL	<PQL	0.0051	<PQL	78
BS-JSRb-P-20	7.42	22.7	43.9	20.3	281	1.5	0.11	<PQL	<PQL	<PQL	<PQL	25	210	14	16	34	5.3	0.36	<PQL	<PQL	<PQL	<PQL	<PQL	<PQL	0.0080	<PQL	<PQL

Excess of WHO guideline
Excess of Bangladesh Standard
Excess of both Bangladesh Standard and WHO guideline

(The values were determined as exceeding the standards before rounding off)