

**SURFACE WATER QUALITY****Date of Sampling: 27.08.2016 & 28.08.2016**

Sl. No	Parameter	Units	W-1 MINE PIT WATER	W-2 SURFACE RUNOFF	W-3 SHALI NADI UP STREAM	W-4 SHALI NADI DOWN STREAM
1	Odour	--	Un-objectionable	Un-objectionable	Un-objectionable	Un-objectionable
2	Taste	--	Agreeable	Agreeable	Agreeable	Agreeable
3	Color	Hazen units	<5	<5	<5	<5
4	pH	--	6.02	6.54	6.18	5.23
5	Turbidity	NTU	<5	<5	<5	<5
6	Dissolved Oxygen	mg/l	6.9	7.00	7.20	7.10
7	Total Dissolved solids	mg/l	67.3	38.4	120.1	58.7
8	Total Suspended solids	mg/l	12.5	30.1	11.7	11.5
9	Alkalinity as CaCO <sub>3</sub>	mg/l	22.0	12.4	40	17.7
10	Total Hardness as CaCO <sub>3</sub>	mg/l	42.8	18.4	72.0	41.0
11	Nitrate as NO <sub>3</sub>	mg/l	0.28	0.18	0.67	0.32
12	Phosphates as PO <sub>4</sub>	mg/l	0.03	0.02	0.01	0.02
13	Chlorides as Cl	mg/l	19.5	10.6	31.8	16
14	Sulphates as SO <sub>4</sub>	mg/l	2.1	1.8	6.8	4.1
15	Sodium as Na	mg/l	3.2	3.4	6.5	1.3
16	Potassium as K	mg/l	1.8	2.8	5.1	1
17	Calcium as Ca	mg/l	7.9	3.9	10.7	10.8
18	Magnesium as Mg	mg/l	5.6	2.1	11	3.4
19	Lead as Pb	mg/l	BDL	BDL	BDL	BDL
20	Manganese as Mn	mg/l	0.02	0.03	0.03	0.04
21	Cadmium as Cd	mg/l	BDL	BDL	BDL	BDL
22	Chromium as Cr	mg/l	BDL	BDL	BDL	BDL
23	Copper as Cu	mg/l	BDL	BDL	BDL	BDL
24	Zinc as Zn	mg/l	BDL	BDL	BDL	BDL
25	Iron as Fe	mg/l	0.12	0.22	0.19	0.21
26	Fluoride as F	mg/l	0.01	0.01	0.01	0.01
27	Mercury as Hg	mg/l	BDL	BDL	BDL	BDL
28	Selenium as Se	mg/l	BDL	BDL	BDL	BDL
29	Arsenic as As	mg/l	BDL	BDL	BDL	BDL
30	Cyanide as CN	mg/l	BDL	BDL	BDL	BDL
31	Boron as B	mg/l	BDL	BDL	BDL	BDL
32	BOD	mg/l	<3	<3	<3	<3

BDL: Below Detectable Limit

mg/l: Milligram per liter

**GROUND WATER QUALITY**

Date of Sampling: 27.08.2016 &amp; 28.08.2016

Sl. No	Parameter	Units	W-5 PANDAPNIWADI VILLAGE	W-6 THANEWADI VILLAGE	W-7 DHANGARWADI VILLAGE	W-8 PATEWADI VILLAGE	W-9 BHANDAR WADI VILLAGE
1	Odour	--	Un-objectionable	Un-objectionable	Un-objectionable	Un-objectionable	Un-objectionable
2	Taste	--	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
3	Color	Hazen units	<5	<5	<5	<5	<5
4	pH	--	5.62	5.84	5.66	5.23	6.02
5	Turbidity	NTU	<5	<5	<5	<5	<5
6	Dissolved Oxygen	mg/l	5.10	5.00	4.90	5.10	5.00
7	Total Dissolved solids	mg/l	86.5	75.2	25.7	83.2	110.9
8	Total Suspended solids	mg/l	3.8	2.5	3.2	5.3	4.1
9	Alkalinity as CaCO <sub>3</sub>	mg/l	31	24.7	9.7	23.5	34.5
10	Total Hardness as CaCO <sub>3</sub>	mg/l	46.0	47.7	14.4	48.7	64.0
11	Nitrate as NO <sub>3</sub>	mg/l	0.52	0.41	0.23	0.34	0.37
12	Phosphates as PO <sub>4</sub>	mg/l	0.01	0.03	0.02	0.04	0.03
13	Chlorides as Cl	mg/l	20.5	20	6.3	20	31
14	Sulphates as SO <sub>4</sub>	mg/l	5.8	4.6	1.4	11.7	6.7
15	Sodium as Na	mg/l	6.2	3.8	1.9	4.8	6.4
16	Potassium as K	mg/l	5.6	1.7	1.2	3.9	5.8
17	Calcium as Ca	mg/l	10.5	8.4	3.8	9.3	13.1
18	Magnesium as Mg	mg/l	4.8	6.5	1.2	6.2	7.6
19	Lead as Pb	mg/l	BDL	BDL	BDL	BDL	BDL
20	Manganese as Mn	mg/l	0.01	0.02	0.02	0.05	0.05
21	Cadmium as Cd	mg/l	BDL	BDL	BDL	BDL	BDL
22	Chromium as Cr	mg/l	BDL	BDL	BDL	BDL	BDL
23	Copper as Cu	mg/l	BDL	BDL	BDL	BDL	BDL
24	Zinc as Zn	mg/l	BDL	BDL	BDL	BDL	BDL
25	Iron as Fe	mg/l	0.14	0.21	0.13	0.18	0.20
26	Fluoride as F	mg/l	0.01	0.01	0.01	0.01	0.01
27	Mercury as Hg	mg/l	BDL	BDL	BDL	BDL	BDL
28	Selenium as Se	mg/l	BDL	BDL	BDL	BDL	BDL
29	Arsenic as As	mg/l	BDL	BDL	BDL	BDL	BDL
30	Cyanide as CN	mg/l	BDL	BDL	BDL	BDL	BDL
31	Boron as B	mg/l	BDL	BDL	BDL	BDL	BDL
32	B.O.D	mg/l	<3	<3	<3	<3	<3

BDL: Below Detectable Limit

mg/l: Milligram per liter

**NOTE: The results relate only to the condition prevailing at the time of sampling**

