

**TALGAON VILLAGE**

Location Name	:	Talgaon village			
Date	:	17.02.2016	Sample Type	:	Ground water

Sl. No.	Parameter	Unit	Result
1	Odour		Un-objectionable
2	Taste		Agreeable
3	Colour	Hazen Units	<5
4	pH		6.52
5	Turbidity	NTU	<5
6	Dissolved Oxygen	mg/l	5.2
7	Total Dissolved Solids	mg/l	72
8	Total Suspended Solids	mg/l	3.0
9	Alkalinity as CaCO <sub>3</sub>	mg/l	24.2
10	Total Hardness as CaCO <sub>3</sub>	mg/l	38.0
11	Nitrates NO <sub>3</sub>	mg/l	0.56
12	Phosphates PO <sub>4</sub>	mg/l	0.01
13	Chlorides as Cl	mg/l	20
14	Sulphates as SO <sub>4</sub> <sup>2-</sup>	mg/l	2.4
15	Sodium as Na.	mg/l	5.9
16	Potassium as K	mg/l	3.8
17	Calcium as Ca	mg/l	9.1
18	Magnesium as Mg	mg/l	3.7
19	Lead (Pb)	mg/l	BDL
20	Manganese as Mn	mg/l	0.02
21	Cadmium (Cd)	mg/l	BDL
22	Chromium (Cr)	mg/l	BDL
23	Copper (Cu)	mg/l	BDL
24	Zinc (Zn)	mg/l	BDL
25	Iron as Fe	mg/l	0.22
26	Fluoride as F	mg/l	0.01
27	Mercury as (Hg)	mg/l	BDL
28	Selenium as Se	mg/l	BDL
29	Arsenic as As	mg/l	BDL
30	Cyanide as CN	mg/l	BDL
31	Boron as B	mg/l	BDL
32	B.O.D (3 days 27°C)	mg/l	<3

BDL: Below Detectable Limit

mg/l: - Milligram per liter

**DURGAMANWADI VILLAGE**

<b>Location Name</b>	:	Durgamanwadi village			
<b>Date</b>	:	17.02.2016	<b>Sample Type</b>	:	Ground water

Sl. No.	Parameter	Unit	Result
1	Odour		Un-objectionable
2	Taste		Agreeable
3	Colour	Hazen Units	<5
4	pH		7.13
5	Turbidity	NTU	<5
6	Dissolved Oxygen	mg/l	5.20
7	Total Dissolved Solids	mg/l	81.6
8	Total Suspended Solids	mg/l	4.0
9	Alkalinity as CaCO <sub>3</sub>	mg/l	29
10	Total Hardness as CaCO <sub>3</sub>	mg/l	47.5
11	Nitrates NO <sub>3</sub>	mg/l	0.22
12	Phosphates PO <sub>4</sub>	mg/l	0.02
13	Chlorides as Cl	mg/l	21.5
14	Sulphates as SO <sub>4</sub> <sup>2-</sup>	mg/l	3.5
15	Sodium as Na.	mg/l	6
16	Potassium as K	mg/l	1.8
17	Calcium as Ca	mg/l	12.1
18	Magnesium as Mg	mg/l	4.2
19	Lead (Pb)	mg/l	BDL
20	Manganese as Mn	mg/l	0.03
21	Cadmium (Cd)	mg/l	BDL
22	Chromium (Cr)	mg/l	BDL
23	Copper (Cu)	mg/l	BDL
24	Zinc (Zn)	mg/l	BDL
25	Iron as Fe	mg/l	0.21
26	Fluoride as F	mg/l	0.01
27	Mercury as (Hg)	mg/l	BDL
28	Selenium as Se	mg/l	BDL
29	Arsenic as As	mg/l	BDL
30	Cyanide as CN	mg/l	BDL
31	Boron as B	mg/l	BDL
32	B.O.D (3 days 27°C)	mg/l	<3

BDL: Below Detectable Limit

mg/l: - Milligram per liter

**CHAVANWADI VILLAGE**

<b>Location Name</b>	:	Chavanwadi village			
<b>Date</b>	:	17.02.2016	<b>Sample Type</b>	:	Ground water

Sl. No.	Parameter	Unit	Result
1	Odour		Un-objectionable
2	Taste		Agreeable
3	Colour	Hazen Units	<5
4	pH		6.77
5	Turbidity	NTU	<5
6	Dissolved Oxygen	mg/l	5.10
7	Total Dissolved Solids	mg/l	54.7
8	Total Suspended Solids	mg/l	3.0
9	Alkalinity as CaCO <sub>3</sub>	mg/l	17.0
10	Total Hardness as CaCO <sub>3</sub>	mg/l	29.5
11	Nitrates NO <sub>3</sub>	mg/l	0.35
12	Phosphates PO <sub>4</sub>	mg/l	0.02
13	Chlorides as Cl	mg/l	15.6
14	Sulphates as SO <sub>4</sub> <sup>2-</sup>	mg/l	2.8
15	Sodium as Na.	mg/l	4.5
16	Potassium as K	mg/l	2.3
17	Calcium as Ca	mg/l	8
18	Magnesium as Mg	mg/l	2.3
19	Lead (Pb)	mg/l	BDL
20	Manganese as Mn	mg/l	0.01
21	Cadmium (Cd)	mg/l	BDL
22	Chromium (Cr)	mg/l	BDL
23	Copper (Cu)	mg/l	BDL
24	Zinc (Zn)	mg/l	BDL
25	Iron as Fe	mg/l	0.23
26	Fluoride as F	mg/l	0.01
27	Mercury as (Hg)	mg/l	BDL
28	Selenium as Se	mg/l	BDL
29	Arsenic as As	mg/l	BDL
30	Cyanide as CN	mg/l	BDL
31	Boron as B	mg/l	BDL
32	B.O.D (3 days 27°C)	mg/l	<3

BDL: Below Detectable Limit

mg/l: - Milligram per liter

**PADSALI VILLAGE**

<b>Location Name</b>	:	Padsali village	
<b>Date</b>	:	17.02.2016	<b>Sample Type</b> : Surface water

Sl. No.	Parameter	Unit	
1	Odour		Un-objectionable
2	Taste		Agreeable
3	Colour	Hazen Units	<5
4	pH		6.94
5	Turbidity	NTU	<5
6	Dissolved Oxygen	mg/l	5.20
7	Total Dissolved Solids	mg/l	43.8
8	Total Suspended Solids	mg/l	5.0
9	Alkalinity as CaCO <sub>3</sub>	mg/l	14
10	Total Hardness as CaCO <sub>3</sub>	mg/l	16.0
11	Nitrates NO <sub>3</sub>	mg/l	0.29
12	Phosphates PO <sub>4</sub>	mg/l	0.02
13	Chlorides as Cl	mg/l	11.2
14	Sulphates as SO <sub>4</sub> <sup>2-</sup>	mg/l	3.3
15	Sodium as Na.	mg/l	6.2
16	Potassium as K	mg/l	3
17	Calcium as Ca	mg/l	4.1
18	Magnesium as Mg	mg/l	1.4
19	Lead (Pb)	mg/l	BDL
20	Manganese as Mn	mg/l	0.02
21	Cadmium (Cd)	mg/l	BDL
22	Chromium (Cr)	mg/l	BDL
23	Copper (Cu)	mg/l	BDL
24	Zinc (Zn)	mg/l	BDL
25	Iron as Fe	mg/l	0.19
26	Fluoride as F	mg/l	0.01
27	Mercury as (Hg)	mg/l	BDL
28	Selenium as Se	mg/l	BDL
29	Arsenic as As	mg/l	BDL
30	Cyanide as CN	mg/l	BDL
31	Boron as B	mg/l	BDL
32	B.O.D (3 days 27°C)	mg/l	<3

BDL: Below Detectable Limit

mg/l: - Milligram per liter

**TULSI STREAM**

<b>Location Name</b>	:	Tulsi stream			
<b>Date</b>	:	17.02.2016	<b>Sample Type</b>	:	Surface Water

Sl. No.	Parameter	Unit	Result
1	Odour		Un-objectionable
2	Taste		Agreeable
3	Colour	Hazen Units	<5
4	pH		6.74
5	Turbidity	NTU	<5
6	Dissolved Oxygen	mg/l	7.00
7	Total Dissolved Solids	mg/l	126
8	Total Suspended Solids	mg/l	17.0
9	Alkalinity as CaCO <sub>3</sub>	mg/l	47.5
10	Total Hardness as CaCO <sub>3</sub>	mg/l	70.0
11	Nitrates NO <sub>3</sub>	mg/l	0.83
12	Phosphates PO <sub>4</sub>	mg/l	0.03
13	Chlorides as Cl	mg/l	30
14	Sulphates as SO <sub>4</sub> <sup>2-</sup>	mg/l	6.1
15	Sodium as Na.	mg/l	9.4
16	Potassium as K	mg/l	5.1
17	Calcium as Ca	mg/l	14.7
18	Magnesium as Mg	mg/l	8.1
19	Lead (Pb)	mg/l	BDL
20	Manganese as Mn	mg/l	0.03
21	Cadmium (Cd)	mg/l	BDL
22	Chromium (Cr)	mg/l	BDL
23	Copper (Cu)	mg/l	BDL
24	Zinc (Zn)	mg/l	BDL
25	Iron as Fe	mg/l	0.20
26	Fluoride as F	mg/l	0.01
27	Mercury as (Hg)	mg/l	BDL
28	Selenium as Se	mg/l	BDL
29	Arsenic as As	mg/l	BDL
30	Cyanide as CN	mg/l	BDL
31	Boron as B	mg/l	BDL
32	B.O.D (3 days 27°C)	mg/l	<3

BDL: Below Detectable Limit

mg/l: - Milligram per liter

**MINE ACCUMULATED WATER**

<b>Location Name</b>	:	Mine Accumulated Water
<b>Date</b>	:	17.02.2016
<b>Sample Type</b>	:	Surface Water

Sl. No.	Parameter	Unit	Result
1	Odour		Un-objectionable
2	Taste		Agreeable
3	Colour	Hazen Units	<5
4	pH		6.50
5	Turbidity	NTU	<5
6	Dissolved Oxygen	mg/l	7.10
7	Total Dissolved Solids	mg/l	25.3
8	Total Suspended Solids	mg/l	10.0
9	Alkalinity as CaCO <sub>3</sub>	mg/l	8.6
10	Total Hardness as CaCO <sub>3</sub>	mg/l	11.5
11	Nitrates NO <sub>3</sub>	mg/l	0.14
12	Phosphates PO <sub>4</sub>	mg/l	0.01
13	Chlorides as Cl	mg/l	7
14	Sulphates as SO <sub>4</sub> <sup>2-</sup>	mg/l	1.1
15	Sodium as Na.	mg/l	3
16	Potassium as K	mg/l	1.3
17	Calcium as Ca	mg/l	2.8
18	Magnesium as Mg	mg/l	1.1
19	Lead (Pb)	mg/l	BDL
20	Manganese as Mn	mg/l	0.03
21	Cadmium (Cd)	mg/l	BDL
22	Chromium (Cr)	mg/l	BDL
23	Copper (Cu)	mg/l	BDL
24	Zinc (Zn)	mg/l	BDL
25	Iron as Fe	mg/l	0.19
26	Fluoride as F	mg/l	0.01
27	Mercury as (Hg)	mg/l	BDL
28	Selenium as Se	mg/l	BDL
29	Arsenic as As	mg/l	BDL
30	Cyanide as CN	mg/l	BDL
31	Boron as B	mg/l	BDL
32	B.O.D (3 days 27°C)	mg/l	<3

DOMESTIC EFFLUENT ANALYSISSample Type: **Canteen waste water**

Date of sampling: 17.02.2016

Sl.No	Test	Result
<b>1</b>	<b>Total Suspended Solids, mg/l</b>	<b>85</b>
<b>2</b>	<b>Total Dissolved Solids, mg/l</b>	<b>112.2</b>
<b>3</b>	<b>COD, mg/l</b>	<b>63</b>
<b>4</b>	<b>BOD for 3 days at 27°C, mg/l</b>	<b>27</b>
<b>5</b>	<b>Total Solids</b>	<b>134</b>
<b>6</b>	<b>Oil and Grease, mg/l</b>	<b>5.8</b>