



Water Analysis Report

Report No.	ME/NS/001927/12.03.22/SA/Indiabulls/Nashik		Date: 22/03/2012
Name and Address of Customer	Indiabulls Realtech Ltd. (SEZ Co-Developer) Indiabulls Industrial Infrastructure Ltd.(Multiproduct SEZ), Village – Musalgaon & Gulvanch, Tal- Sinnar, Nashik.		Order Reference Your Work Order No. 3320001083 dt 18.11.2011
Sample Description /Type	Ground Water	Sample Collected by	Laboratory
Sampling Location	Gulavanch Gat No. 806	Sample Quantity/Packing	10 L x 1 no. plastic can 250 ml x 1 no. sterile glass bottle
Date of Sampling	15/03/2012	Date of Receipt of Sample	15/03/2012
Sampling Procedure	IS 1622, 1981, Reaffirmed 2003 & IS 3025, Part 1, 1987, Reaffirmed 1998 & APHA, 21 st Ed., 2005, 1060 B, 1-29, 9040, 9-17 & 9060 A, 9-20		
Date of Start of Analysis	15/03/2012	Date of Completion of Analysis	21/03/2012

Sr. No.	Parameters	Results	Units	Desirable Limit as per IS 10500: 1991	Method Reference
Physico-Chemical Analysis					
1.	Colour	3	Hazen Units	Max. 5	APHA, 21 st Ed., 2005, 2120-B, 2-2
2.	Odour	Unobjectionable	-	Unobjectionable	IS 3025 (Part 5): 1983, Reaffirmed 2006
3.	Taste	Agreeable	-	Agreeable	IS 3025 (Part 8): 1984, Reaffirmed 2006
4.	Turbidity	2.5	N.T.U.	Max. 5	APHA, 21 st Ed., 2005, 2130-B, 2-9
5.	pH	8.02	-	6.5-8.5	APHA, 21 st Ed., 2005, 4500-H ⁺ - B, 4-90
6.	Suspended Solids	12	mg/L	-	IS 3025 (Part 17): 1984, Reaffirmed 2006, Amds.1
7.	Total Dissolved Solids	1004	mg/L	Max. 500	IS 3025 (Part 16): 1984, Reaffirmed 2006, Ed.2.1(1999-12)
8.	Dissolved Oxygen	4.9	mg/L	-	IS 3025 (Part 38): 1989, Reaffirmed 2009
9.	Alkalinity (as CaCO ₃)	306	mg/L	Max. 200	IS 3025 (Part 23): 1986, Reaffirmed 2003, Amds.1
10.	Total Hardness (as CaCO ₃)	522	mg/L	Max. 300	APHA, 21 st Ed., 2005, 2340 C, 2-37
11.	Calcium (as Ca)	75.8	mg/L	Max. 75	APHA, 21 st Ed., 2005, 3500-B, 3-65



Report No. ME/NS/001927/12.03.22/SA/Indiabulls/Nashik Cont...

Sr. No.	Parameters	Results	Units	Desirable Limit as per IS 10500: 1991	Method Reference
12.	Magnesium (as Mg)	80.9	mg/L	Max. 30	APHA, 21 st Ed., 2005, 3500-Mg, B, 3-84
13.	Aluminium (as Al)	N.D.	mg/L	Max. 0.2	APHA, 21 st Ed., 2005, 3111-Al-B, 3-28
14.	Arsenic (as As)	N.D.	mg/L	Max. 0.05	IS 3025(Part 2): 2004
15.	Cadmium (as Cd)	N.D.	mg/L	Max. 0.01	IS 3025(Part 2): 2004
16.	Chromium (as Cr ⁺⁶)	<0.02	mg/L	Max. 0.05	IS 3025(Part 2): 2004
17.	Copper (as Cu)	N.D.	mg/L	Max. 1.5	IS 3025(Part 2): 2004
18.	Iron (as Fe)	N.D.	mg/L	Max. 1	IS 3025(Part 2): 2004
19.	Lead (as Pb)	N.D.	mg/L	Max. 0.05	IS 3025(Part 2): 2004
20.	Manganese (as Mn)	N.D.	mg/L	Max. 0.3	IS 3025(Part 2): 2004
21.	Mercury (as Hg)	N.D.	mg/L	Max. 0.001	IS 3025(Part 2): 2004
22.	Selenium (as Se)	N.D.	mg/L	Max. 0.01	IS 3025(Part 2): 2004
23.	Zinc (as Zn)	<0.05	mg/L	Max. 5	IS 3025(Part 2): 2004
24.	Boron (as B)	0.77	mg/L	Max. 5	APHA, 21 st Ed., 2005, 4500-B-C, 4-23
25.	Residual free chlorine	N.D.	mg/L	Min. 0.2	IS 3025 (Part 26): 1986, Reaffirmed 2003, Ed. 2.1 (2004-02)
26.	Chloride (as Cl)	202	mg/L	Max. 250	APHA, 21 st Ed., 2005, 4500-Cl, B, 4-70
27.	Sulphate (as SO ₄)	138	mg/L	Max. 200	IS 3025 (Part 24):1986, Reaffirmed 2009



Report No. ME/NS/001927/12.03.22/SA/Indiabulls/Nashik Cont...

Sr. No.	Parameters	Results	Units	Desirable Limit as per IS 10500: 1991	Method Reference
28.	Fluoride (as F)	0.74	mg/L	Max. 1	APHA, 21 st Ed., 2005, 4500-F ⁻ , D, 4-85
29.	Nitrate (as NO ₃)	13.7	mg/L	Max. 45	APHA, 21 st Ed., 2005, 4500-NO ₃ , B -4 -120
30.	Cyanide (as CN)	N.D.	mg/L	Max. 0.05	APHA, 21 st Ed., 2005, 4500-CN, C & E, 4-39 & 4-41
31.	Phenolic Compounds (as C ₆ H ₅ OH)	N.D.	mg/L	Max. 0.001	APHA, 21 st Ed., 2005, 5530- B & C, 5-44 & 5-45
32.	Mineral Oil	N.D.	mg/L	Max. 0.01	IS: 3025 (Part 39): 1991, Reaffirmed 2003, Amds.1
Microbiological Analysis					
33.	Total Coliforms	79	/100 ml	Absent	APHA, 21 st Ed., 2005, 9221-D, 9-55
34.	<i>E. coli</i>	Present	/100 ml	Absent	APHA, 21 st Ed., 2005, 9221-F, 9-58
N.D.: Not Detected.					

-----End-----
for **Mahabal Enviro Engineers Pvt. Ltd.**

Harish Mendhi
Technical Manager
AUTHORISED SIGNATORY



Note :

1. The result listed refers only to the tested sample(s) and applicable parameter(s).
2. This report is not to be reproduced except in full, without written approval of the laboratory.



Water Analysis Report

Report No.	ME/NS/001928/12.03.22/SA/Indiabulls/Nashik		Date: 22/03/2012
Name and Address of Customer	Indiabulls Realtech Ltd. (SEZ Co-Developer) Indiabulls Industrial Infrastructure Ltd.(Multiproduct SEZ) , Village – Musalgaon & Gulvanch, Tal- Sinnar, Nashik.		Order Reference Your Work Order No. 3320001083 dt 18.11.2011
Sample Description /Type	Ground Water	Sample Collected by	Laboratory
Sampling Location	Kedarpur	Sample Quantity/Packing	10 L x 1 no. plastic can 250 ml x 1 no. sterile glass bottle
Date of Sampling	15/03/2012	Date of Receipt of Sample	15/03/2012
Sampling Procedure	IS 1622, 1981, Reaffirmed 2003 & IS 3025, Part 1, 1987, Reaffirmed 1998 & APHA, 21 st Ed., 2005, 1060 B, 1-29, 9040, 9-17 & 9060 A, 9-20		
Date of Start of Analysis	15/03/2012	Date of Completion of Analysis	21/03/2012

Sr. No.	Parameters	Results	Units	Desirable Limit as per IS 10500: 1991	Method Reference
Physico-Chemical Analysis					
1.	Colour	1	Hazen Units	Max. 5	APHA, 21 st Ed., 2005, 2120-B, 2-2
2.	Odour	Unobjectionable	-	Unobjectionable	IS 3025 (Part 5): 1983, Reaffirmed 2006
3.	Taste	Agreeable	-	Agreeable	IS 3025 (Part 8): 1984, Reaffirmed 2006
4.	Turbidity	0.1	N.T.U.	Max. 5	APHA, 21 st Ed., 2005, 2130-B, 2-9
5.	pH	7.58	-	6.5-8.5	APHA, 21 st Ed., 2005, 4500-H ⁺ - B, 4-90
6.	Suspended Solids	<5	mg/L	-	IS 3025 (Part 17): 1984, Reaffirmed 2006, Amds.1
7.	Total Dissolved Solids	1124	mg/L	Max. 500	IS 3025 (Part 16): 1984, Reaffirmed 2006, Ed.2.1(1999-12)
8.	Dissolved oxygen	5.7	mg/L	-	IS 3025 (Part 38): 1989, Reaffirmed 2009
9.	Alkalinity (as CaCO ₃)	186	mg/L	Max. 200	IS 3025 (Part 23): 1986, Reaffirmed 2003, Amds.1
10.	Total Hardness (as CaCO ₃)	693	mg/L	Max. 300	APHA, 21 st Ed., 2005, 2340 C, 2-37
11.	Calcium (as Ca)	137	mg/L	Max. 75	APHA, 21 st Ed., 2005, 3500-B, 3-65



Report No. ME/NS/001928/12.03.22/SA/Indiabulls/Nashik Cont...

Sr. No.	Parameters	Results	Units	Desirable Limit as per IS 10500: 1991	Method Reference
12.	Magnesium (as Mg)	85.3	mg/L	Max. 30	APHA, 21 st Ed., 2005, 3500-Mg, B, 3-84
13.	Aluminium (as Al)	N.D.	mg/L	Max. 0.2	APHA, 21 st Ed., 2005, 3111-Al-B, 3-28
14.	Arsenic (as As)	N.D.	mg/L	Max. 0.05	IS 3025(Part 2): 2004
15.	Cadmium (as Cd)	N.D.	mg/L	Max. 0.01	IS 3025(Part 2): 2004
16.	Chromium (as Cr ⁺⁶)	N.D.	mg/L	Max. 0.05	IS 3025(Part 2): 2004
17.	Copper (as Cu)	N.D.	mg/L	Max. 1.5	IS 3025(Part 2): 2004
18.	Iron (as Fe)	N.D.	mg/L	Max. 1	IS 3025(Part 2): 2004
19.	Lead (as Pb)	N.D.	mg/L	Max. 0.05	IS 3025(Part 2): 2004
20.	Manganese (as Mn)	<0.02	mg/L	Max. 0.3	IS 3025(Part 2): 2004
21.	Mercury (as Hg)	N.D.	mg/L	Max. 0.001	IS 3025(Part 2): 2004
22.	Selenium (as Se)	N.D.	mg/L	Max. 0.01	IS 3025(Part 2): 2004
23.	Zinc (as Zn)	0.02	mg/L	Max. 5	IS 3025(Part 2): 2004
24.	Boron (as B)	0.56	mg/L	Max. 5	APHA, 21 st Ed., 2005, 4500-B-C, 4-23
25.	Residual free chlorine	N.D.	mg/L	Min. 0.2	IS 3025 (Part 26): 1986, Reaffirmed 2003, Ed. 2.1 (2004-02)
26.	Chloride (as Cl)	289	mg/L	Max. 250	APHA, 21 st Ed., 2005, 4500-Cl, B, 4-70
27.	Sulphate (as SO ₄)	148	mg/L	Max. 200	IS 3025 (Part 24):1986, Reaffirmed 2009



Report No. ME/NS/001928/12.03.22/SA/Indiabulls/Nashik Cont...

Sr. No.	Parameters	Results	Units	Desirable Limit as per IS 10500: 1991	Method Reference
28.	Fluoride (as F)	0.43	mg/L	Max. 1	APHA, 21 st Ed., 2005, 4500-F ⁻ , D, 4-85
29.	Nitrate (as NO ₃)	93	mg/L	Max. 45	APHA, 21 st Ed., 2005, 4500-NO ₃ , B -4 -120
30.	Cyanide (as CN)	N.D.	mg/L	Max. 0.05	APHA, 21 st Ed., 2005, 4500-CN, C & E, 4-39 & 4-41
31.	Phenolic Compounds (as C ₆ H ₅ OH)	N.D.	mg/L	Max. 0.001	APHA, 21 st Ed., 2005, 5530- B & C, 5-44 & 5-45
32.	Mineral Oil	N.D.	mg/L	Max. 0.01	IS: 3025 (Part 39): 1991, Reaffirmed 2003, Amds.1
Microbiological Analysis					
33.	Total Coliforms	84	/100 ml	Absent	APHA, 21 st Ed., 2005, 9221-D, 9-55
34.	<i>E. coli</i>	Absent	/100 ml	Absent	APHA, 21 st Ed., 2005, 9221-F, 9-58
N.D.: Not Detected.					

-----End-----
for **Mahabal Enviro Engineers Pvt. Ltd.**

Harish Mendhi
Technical Manager
AUTHORISED SIGNATORY



Note :

1. The result listed refers only to the tested sample(s) and applicable parameter(s).
2. This report is not to be reproduced except in full, without written approval of the laboratory.



Water Analysis Report

Report No.	ME/NS/001929/12.03.22/SA/Indiabulls/Nashik		Date: 22/03/2012
Name and Address of Customer	Indiabulls Realtech Ltd. (SEZ Co-Developer) Indiabulls Industrial Infrastructure Ltd.(Multiproduct SEZ), Village – Musalgaon & Gulvanch, Tal- Sinnar, Nashik.		Order Reference Your Work Order No. 3320001083 dt 18.11.2011
Sample Description /Type	Ground Water	Sample Collected by	Laboratory
Sampling Location	Musalgaon	Sample Quantity/Packing	10 L x 1 no. plastic can 250 ml x 1 no. sterile glass bottle
Date of Sampling	15/03/2012	Date of Receipt of Sample	15/03/2012
Sampling Procedure	IS 1622, 1981, Reaffirmed 2003 & IS 3025, Part 1, 1987, Reaffirmed 1998 & APHA, 21 st Ed., 2005, 1060 B, 1-29, 9040, 9-17 & 9060 A, 9-20		
Date of Start of Analysis	15/03/2012	Date of Completion of Analysis	21/03/2012

Sr. No.	Parameters	Results	Units	Desirable Limit as per IS 10500:1991	Method Reference
Physico-Chemical Analysis					
1.	Colour	1	Hazen Units	Max. 5	APHA, 21 st Ed., 2005, 2120-B, 2-2
2.	Odour	Unobjectionable	-	Unobjectionable	IS 3025 (Part 5): 1983, Reaffirmed 2006
3.	Taste	Agreeable	-	Agreeable	IS 3025 (Part 8): 1984, Reaffirmed 2006
4.	Turbidity	0.2	N.T.U.	Max. 5	APHA, 21 st Ed., 2005, 2130-B, 2-9
5.	pH	7.72	-	6.5-8.5	APHA, 21 st Ed., 2005, 4500-H ⁺ - B, 4-90
6.	Suspended Solids	5	mg/L	-	IS 3025 (Part 17): 1984, Reaffirmed 2006, Amds.1
7.	Total Dissolved Solids	784	mg/L	Max. 500	IS 3025 (Part 16): 1984, Reaffirmed 2006, Ed.2.1(1999-12)
8.	Dissolved oxygen	5.4	mg/L	-	IS 3025 (Part 38): 1989, Reaffirmed 2009
9.	Alkalinity (as CaCO ₃)	303	mg/L	Max. 200	IS 3025 (Part 23): 1986, Reaffirmed 2003, Amds.1
10.	Total Hardness (as CaCO ₃)	540	mg/L	Max. 300	APHA, 21 st Ed., 2005, 2340 C, 2-37
11.	Calcium (as Ca)	101	mg/L	Max. 75	APHA, 21 st Ed., 2005, 3500-B, 3-65



Report No. ME/NS/001929/12.03.22/SA/Indiabulls/Nashik Cont...

Sr. No.	Parameters	Results	Units	Desirable Limit as per IS 10500: 1991	Method Reference
12.	Magnesium (as Mg)	69.9	mg/L	Max. 30	APHA, 21 st Ed., 2005, 3500-Mg, B, 3-84
13.	Aluminium (as Al)	N.D.	mg/L	Max. 0.2	APHA, 21 st Ed., 2005, 3111-Al-B, 3-28
14.	Arsenic (as As)	N.D.	mg/L	Max. 0.05	IS 3025(Part 2): 2004
15.	Cadmium (as Cd)	<0.005	mg/L	Max. 0.01	IS 3025(Part 2): 2004
16.	Chromium (as Cr ⁺⁶)	N.D.	mg/L	Max. 0.05	IS 3025(Part 2): 2004
17.	Copper (as Cu)	N.D.	mg/L	Max. 1.5	IS 3025(Part 2): 2004
18.	Iron (as Fe)	N.D.	mg/L	Max. 1	IS 3025(Part 2): 2004
19.	Lead (as Pb)	N.D.	mg/L	Max. 0.05	IS 3025(Part 2): 2004
20.	Manganese (as Mn)	<0.02	mg/L	Max. 0.3	IS 3025(Part 2): 2004
21.	Mercury (as Hg)	N.D.	mg/L	Max. 0.001	IS 3025(Part 2): 2004
22.	Selenium (as Se)	N.D.	mg/L	Max. 0.01	IS 3025(Part 2): 2004
23.	Zinc (as Zn)	N.D.	mg/L	Max. 5	IS 3025(Part 2): 2004
24.	Boron (as B)	5.9	mg/L	Max. 5	APHA, 21 st Ed., 2005, 4500-B-C, 4-23
25.	Residual free chlorine	N.D.	mg/L	Min. 0.2	IS 3025 (Part 26): 1986, Reaffirmed 2003, Ed. 2.1 (2004-02)
26.	Chloride (as Cl)	113	mg/L	Max. 250	APHA, 21 st Ed., 2005, 4500-Cl, B, 4-70
27.	Sulphate (as SO ₄)	216	mg/L	Max. 200	IS 3025 (Part 24):1986, Reaffirmed 2009



Mahabal Enviro Engineers Pvt. Ltd.

Plot No. 13/14, Opp. Patel Petrol Pump, Chinndwara Road, Koradi, Dist. Nagpur – 411 111

Report No. ME/NS/001929/12.03.22/SA/Indiabulls/Nashik Cont...

Sr. No.	Parameters	Results	Units	Desirable Limit as per IS 10500: 1991	Method Reference
28.	Fluoride (as F)	0.41	mg/L	Max. 1	APHA, 21 st Ed., 2005, 4500-F ⁻ , D, 4-85
29.	Nitrate (as NO ₃)	51.5	mg/L	Max. 45	APHA, 21 st Ed., 2005, 4500-NO ₃ , B -4 -120
30.	Cyanide (as CN)	N.D.	mg/L	Max. 0.05	APHA, 21 st Ed., 2005, 4500-CN, C & E, 4-39 & 4-41
31.	Phenolic Compounds (as C ₆ H ₅ OH)	N.D.	mg/L	Max. 0.001	APHA, 21 st Ed., 2005, 5530- B & C, 5-44 & 5-45
32.	Mineral Oil	0.2	mg/L	Max. 0.01	IS: 3025 (Part 39): 1991, Reaffirmed 2003, Amds.1

N.D.: Not Detected.

-----End-----
for **Mahabal Enviro Engineers Pvt. Ltd.**

Harish Mendhi
Technical Manager
AUTHORISED SIGNATORY



Note :

1. The result listed refers only to the tested sample(s) and applicable parameter(s).
2. This report is not to be reproduced except in full, without written approval of the laboratory.