



Water Analysis Report

Report No.	ME/NS/000064/12.05.20/SA/Indiabulls/Nashik		Date: 20/05/2012
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. 3520000054 dt 18.11.2011
Sample Description /Type	Drinking Water	Sample Collected by	Laboratory
Sampling Location	IRL Office	Sample Quantity/Packing	5 L x 1 no. plastic can 250 ml x 1 no. sterile glass bottle
Date of Sampling	12/05/2012	Date of Receipt of Sample	12/05/2012
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	12/05/2012	Date of Completion of Analysis	19/05/2012

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.	Turbidity	0.1	N.T.U.	Max. 5	APHA, 21 st Ed., 2005, 2130-B, 2-9
4.	pH	6.61	-	6.5-8.5	APHA, 21 st Ed., 2005, 4500-H ⁺ - B, 4-90
5.	Suspended Solids	BDL (DL:5)	mg/L	-	IS 3025 (Part 17): 1984, Reaffirmed 2006, Amds.1
6.	Biochemical Oxygen Demand (3 days at 27 °C)	5	mg/L	-	IS 3025 (Part 44): 1993, Reaffirmed 2009, Amds.1
7.	Chemical Oxygen Demand	17	mg/L	-	APHA, 21 st Ed., 2005, 5220-B, 5-15
8.	Oil and Grease	BDL (DL:1)	mg/L	-	APHA, 21 st Ed., 2005, 5520-B, 5-37
9.	Total Dissolved Solids	16	mg/L	Max. 500	IS 3025 (Part 16): 1984, Reaffirmed 2006
10.	Dissolved oxygen	5.8	mg/L	-	IS 3025 (Part 38): 1989, Reaffirmed 2009
11.	Phenolphthalein Alkalinity (as CaCO ₃)	BDL (DL:0.5)	mg/L	-	IS 3025 (Part 23): 1986, Reaffirmed 2009, Amds.1



Mahabal Enviro Engineers Pvt. Ltd.

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

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Sr. No.	Parameters	Results	Units	Desirable Limit as per IS 10500: 1991	Method Reference
12.	Methyl Orange Alkalinity (as CaCO ₃)	5.28	mg/L	-	IS 3025 (Part 23): 1986, Reaffirmed 2003, Amds.1
13.	Total Hardness (as CaCO ₃)	9.5	mg/L	Max. 300	APHA, 21 st Ed., 2005, 2340 C, 2-37
14.	Calcium (as Ca)	BDL (DL:0.4)	mg/L	Max. 75	APHA, 21 st Ed., 2005, 3500-B, 3-65
15.	Magnesium (as Mg)	2.3	mg/L	Max. 30	APHA, 21 st Ed., 2005, 3500-Mg, B, 3-84
16.	Arsenic (as As)	BDL (DL:0.01)	mg/L	Max. 0.05	IS 3025(Part 2): 2004
17.	Cadmium (as Cd)	BDL (DL:0.005)	mg/L	Max. 0.01	IS 3025(Part 2): 2004
18.	Chromium (as Cr)	BDL (DL:0.02)	mg/L	Max. 0.05	IS 3025(Part 2): 2004
19.	Copper (as Cu)	BDL (DL:0.02)	mg/L	Max. 1.5	IS 3025(Part 2): 2004
20.	Iron (as Fe - dissolved)	BDL (DL:0.06)	mg/L	-	APHA, 21 st Ed., 2005, 3111-B, 3-17
21.	Iron (as Fe - suspended)	0.2	mg/L	-	APHA, 21 st Ed., 2005, 3111-B, 3-17
22.	Lead (as Pb)	BDL (DL:0.008)	mg/L	Max. 0.05	IS 3025(Part 2): 2004
23.	Manganese (as Mn)	BDL (DL:0.02)	mg/L	Max. 0.1	IS 3025(Part 2): 2004
24.	Mercury (as Hg)	BDL (DL:0.0008)	mg/L	Max. 0.001	IS 3025(Part 2): 2004
25.	Selenium (as Se)	BDL (DL:0.005)	mg/L	Max. 0.01	IS 3025(Part 2): 2004
26.	Zinc (as Zn)	BDL (DL:0.05)	mg/L	Max. 5	IS 3025(Part 2): 2004
27.	Nickel (as Ni)	BDL (DL:0.01)	mg/L	-	IS 3025(Part 2): 2004



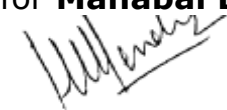
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Sr. No.	Parameters	Results	Units	Desirable Limit as per IS 10500: 1991	Method Reference
28.	Barium	BDL (DL:0.1)	mg/L	-	IS 3025(Part 2): 2004
29.	Sodium (as Na)	4.1	mg/L	-	IS 3025 (Part 45):1993, Reaffirmed 2009, Amds.1
30.	Potassium (as K)	0.2	mg/L	-	IS 3025(Part 45): 1993, Reaffirmed 2009
31.	Chloride (as Cl)	2.46	mg/L	Max. 250	APHA, 21 st Ed., 2005, 4500-Cl, B, 4-70
32.	Sulphate (as SO ₄)	BDL (DL:2)	mg/L	Max. 200	IS 3025 (Part 24):1986, Reaffirmed 2009
33.	Fluoride (as F)	BDL (DL:0.05)	mg/L	Max. 1	APHA, 21 st Ed., 2005, 4500-F ⁻ , D, 4-85
34.	Phosphate (as PO ₄)	0.92	mg/L	-	APHA, 21 st Ed., 2005, 4500 P, E, 4-153
35.	Nitrate (as NO ₃)	0.91	mg/L	Max. 45	APHA, 21 st Ed., 2005, 4500-NO ₃ , B -4 -120
36.	Dissolved Silica (as SiO ₂)	BDL (DL:0.04)	mg/L	-	APHA, 21 st Ed., 2005, 4500-SiO ₂ , D, 4-167
37.	Hydrogen Sulphide (as H ₂ S)	BDL (DL:0.08)	mg/L	-	APHA, 21 st Ed., 2005, 4500 - S ²⁻ , C-4-173, F-4-176
38.	Carbon Dioxide	3.48	mg/L	-	APHA, 21 st Ed., 2005, 4500- CO ₂ C,4-33
39.	KMnO ₄ value at 25 ^o C	0.03	mg/L	-	IS 1070:1992, Reaffirmed 2003
Microbiological Analysis					
40.	Total Coliforms	23	/100 ml	Absent	APHA, 21 st Ed., 2005, 9221-D, 9-55
41.	<i>E. coli</i>	Present	/ 100 ml	Absent	APHA, 21 st Ed., 2005, 9221-F, 9-58
BDL : Below Detection Limit. DL : Detection Limit.					

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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).
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