



## Water Analysis Report

<b>Report No.</b>	<b>ME/NS/001908/12.02.21/SA/Indiabulls/Nashik</b>		<b>Date:</b> 21/02/2012
<b>Name and Address of Customer</b>	<b>Indiabulls Realtech Ltd. (SEZ Co-Developer)</b> Indiabulls Industrial Infrastructure Ltd.(Multiproduct SEZ) , Village – Musalgaon & Gulvanch, Tal- Sinnar, Nashik.		<b>Order Reference</b> Your Work Order No. 3520000054 dt 18.11.2011
<b>Sample Description /Type</b>	Drinking Water	<b>Sample Collected by</b>	Laboratory
<b>Sampling Location</b>	IRL Office	<b>Sample Quantity/Packing</b>	5 L x 1 no. plastic can 250 ml x 1 no. sterile glass bottle
<b>Date of Sampling</b>	07/02/2012	<b>Date of Receipt of Sample</b>	07/02/2012
<b>Sampling Procedure</b>	IS 1622, 1981, Reaffirmed 2003 & IS 3025, Part 1, 1987, Reaffirmed 1998 & APHA, 21 <sup>st</sup> Ed., 2005, 1060 B, 1-29, 9040, 9-17 & 9060 A, 9-20		
<b>Date of Start of Analysis</b>	07/02/2012	<b>Date of Completion of Analysis</b>	20/02/2012

<b>Sr. No.</b>	<b>Parameters</b>	<b>Results</b>	<b>Units</b>	<b>Desirable Limit as per IS 10500: 1991</b>	<b>Method Reference</b>
<b>Physico-Chemical Analysis</b>					
1.	Colour	1	Hazen Units	Max. 5	APHA, 21 <sup>st</sup> Ed., 2005, 2120-B, 2-2
2.	Odour	Unobjectionable	-	Unobjectionable	IS 3025 (Part 5): 1983, Reaffirmed 2006
3.	Turbidity	0.4	N.T.U.	Max. 5	APHA, 21 <sup>st</sup> Ed., 2005, 2130-B, 2-9
4.	pH	7.01	-	6.5-8.5	APHA, 21 <sup>st</sup> Ed., 2005, 4500-H <sup>+</sup> - B, 4-90
5.	Suspended Solids	<5	mg/L	-	IS 3025 (Part 17): 1984, Reaffirmed 2006, Amds.1
6.	Biochemical Oxygen Demand (3 days at 27 °C)	4	mg/L	-	IS 3025 (Part 44): 1993, Reaffirmed 2009, Amds.1
7.	Chemical Oxygen Demand	11	mg/L	-	APHA, 21 <sup>st</sup> Ed., 2005, 5220-B, 5-15
8.	Oil and Grease	N.D.	mg/L	-	APHA, 21 <sup>st</sup> Ed., 2005, 5520-B, 5-37
9.	Total Dissolved Solids	52	mg/L	Max. 500	IS 3025 (Part 16): 1984, Reaffirmed 2006
10.	Dissolved oxygen	6.7	mg/L	-	IS 3025 (Part 38): 1989, Reaffirmed 2009
11.	Phenolphthalein Alkalinity (as CaCO <sub>3</sub> )	N.D.	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 <sub>3</sub> )	8.81	mg/L	-	IS 3025 (Part 23): 1986, Reaffirmed 2003, Amds.1
13.	Total Hardness (as CaCO <sub>3</sub> )	20.9	mg/L	Max. 300	APHA, 21 <sup>st</sup> Ed., 2005, 2340 C, 2-37
14.	Calcium (as Ca)	3.04	mg/L	Max. 75	APHA, 21 <sup>st</sup> Ed., 2005, 3500-B, 3-65
15.	Magnesium (as Mg)	3.23	mg/L	Max. 30	APHA, 21 <sup>st</sup> Ed., 2005, 3500-Mg, B, 3-84
16.	Arsenic (as As)	0.02	mg/L	Max. 0.05	IS 3025(Part 2): 2004
17.	Cadmium (as Cd)	0.008	mg/L	Max. 0.01	IS 3025(Part 2): 2004
18.	Chromium (as Cr)	0.04	mg/L	Max. 0.05	IS 3025(Part 2): 2004
19.	Copper (as Cu)	N.D.	mg/L	Max. 1.5	IS 3025(Part 2): 2004
20.	Iron (as Fe - dissolved)	0.58	mg/L	-	APHA, 21 <sup>st</sup> Ed., 2005, 3111-B, 3-17
21.	Iron (as Fe - suspended)	0.36	mg/L	-	APHA, 21 <sup>st</sup> Ed., 2005, 3111-B, 3-17
22.	Lead (as Pb)	N.D.	mg/L	Max. 0.05	IS 3025(Part 2): 2004
23.	Manganese (as Mn)	<0.02	mg/L	Max. 0.1	IS 3025(Part 2): 2004
24.	Mercury (as Hg)	N.D.	mg/L	Max. 0.001	IS 3025(Part 2): 2004
25.	Selenium (as Se)	N.D.	mg/L	Max. 0.01	IS 3025(Part 2): 2004
26.	Zinc (as Zn)	<0.05	mg/L	Max. 5	IS 3025(Part 2): 2004
27.	Nickel (as Ni)	<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	<0.1	mg/L	-	IS 3025(Part 2): 2004
29.	Sodium (as Na)	16.2	mg/L	-	IS 3025 (Part 45):1993, Reaffirmed 2009, Amds.1
30.	Potassium (as K)	0.5	mg/L	-	IS 3025( Part 45): 1993, Reaffirmed 2009
31.	Chloride (as Cl)	15.7	mg/L	Max. 250	APHA, 21 <sup>st</sup> Ed., 2005, 4500-Cl, B, 4-70
32.	Sulphate (as SO <sub>4</sub> )	<2	mg/L	Max. 200	IS 3025 (Part 24):1986, Reaffirmed 2009
33.	Fluoride (as F)	0.13	mg/L	Max. 1	APHA, 21 <sup>st</sup> Ed., 2005, 4500-F <sup>-</sup> , D, 4-85
34.	Phosphate (as PO <sub>4</sub> )	0.27	mg/L	-	APHA, 21 <sup>st</sup> Ed., 2005, 4500 P, E, 4-153
35.	Nitrate (as NO <sub>3</sub> )	3.25	mg/L	Max. 45	APHA, 21 <sup>st</sup> Ed., 2005, 4500-NO <sub>3</sub> , B -4 -120
36.	Dissolved Silica (as SiO <sub>2</sub> )	1.72	mg/L	-	APHA, 21 <sup>st</sup> Ed., 2005, 4500-SiO <sub>2</sub> , D, 4-167
37.	Hydrogen Sulphide (as H <sub>2</sub> S)	N.D.	mg/L	-	APHA, 21 <sup>st</sup> Ed., 2005, 4500 - S <sup>2-</sup> , C-4-173, F-4-176
38.	Carbon Dioxide	5.29	mg/L	-	APHA, 21 <sup>st</sup> Ed., 2005, 4500- CO <sub>2</sub> C,4-33
39.	KMnO <sub>4</sub> value at 25°C	Passes the test	mg/L	-	IS 1070:1992, Reaffirmed 2003
<b>Microbiological Analysis</b>					
40.	Total Coliforms	49	/100 ml	Absent	APHA, 21st Ed., 2005, 9221-D, 9-55
41.	<i>E. coli</i>	Absent	/ 100 ml	Absent	APHA, 21 <sup>st</sup> Ed., 2005, 9221-F, 9-58
N.D.: Not Detected.					

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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).
2. This report is not to be reproduced except in full, without written approval of the laboratory.