



Mahabal Enviro Engineers Pvt. Ltd.

Plot 13/14, Opp. Patel Petrol Pump, Chhindwara Road, Koradi, Dist.Nagpur – 441111

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Water Analysis Report

Report No.	ME-NS0108-120623-WA-INDIABUL-NASHIK		Date: 23.06.2012
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 Date : 18.11.2011
Sample Description /Type	Ground Water	Sample Collected by	Laboratory
Sampling Location	Village Musalgaon	Sample Quantity/Packing	10 L x 1 no. plastic can 250 ml x 1 no. sterile glass bottle
Date of Sampling	14.06.2012	Date of Receipt of Sample	14.06.2012
Sampling Procedure	IS 1622, 1981, Reaffirmed 2003 & IS 3025, Part 1, 1987, Reaffirmed 1998 & APHA, 21 st Ed., 2005, 1060 B, 1-29		
Date of Start of Analysis	15.06.2012	Date of Completion of Analysis	21.06.2012

Sr. No.	Parameters	Results	Units	Desirable Limit as per IS 10500: 1991	Method Reference
Physico-Chemical Analysis					
1.	Colour	2	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	Disagreeable	-	Agreeable	IS 3025 (Part 8): 1984, Reaffirmed 2006
4.	Turbidity	0.4	N.T.U.	Max. 5	APHA, 21 st Ed., 2005, 2130-B, 2-9
5.	pH	8.25	-	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	1160	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)	282	mg/L	Max. 200	IS 3025 (Part 23): 1986, Reaffirmed 2003, Amds.1
10.	Total Hardness (as CaCO ₃)	437	mg/L	Max. 300	APHA, 21 st Ed., 2005, 2340 C, 2-37
11.	Calcium (as Ca)	55.9	mg/L	Max. 75	APHA, 21 st Ed., 2005, 3500-B, 3-65

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QF/5.10/1-B Amend. No.00 Dt.01.8.2010

Plot No. F-7, Road No. 21, MIDC Wagle Estate, Thane West - 400604, Maharashtra
 (600 m from Hotel Rukhmini Palace Turn Opp Toyota Show Room. Next to Ashida Electrical - near J B Sawant Bus Stop)
Phone: 2582 0658/ 3139/ 1663/ 3154 Fax: 91-22-25823543 thane@mahabal.com



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Sr. No.	Parameters	Results	Units	Desirable Limit as per IS 10500: 1991	Method Reference
12.	Magnesium (as Mg)	72.3	mg/L	Max. 30	APHA, 21 st Ed., 2005, 3500-Mg, B, 3-84
13.	Aluminium (as Al)	BDL (DL:0.025)	mg/L	Max. 0.2	APHA, 21 st Ed., 2005, 3111-Al-B, 3-28
14.	Arsenic (as As)	0.02	mg/L	Max. 0.05	IS 3025(Part 2): 2004
15.	Cadmium (as Cd)	BDL (DL:0.1)	mg/L	Max. 0.01	IS 3025(Part 2): 2004
16.	Chromium (as Cr ⁺⁶)	BDL (DL:0.1)	mg/L	Max. 0.05	IS 3025(Part 2): 2004
17.	Copper (as Cu)	BDL (DL:0.04)	mg/L	Max. 1.5	IS 3025(Part 2): 2004
18.	Iron (as Fe)	BDL (DL:0.08)	mg/L	Max. 1	IS 3025(Part 2): 2004
19.	Lead (as Pb)	BDL (DL:0.1)	mg/L	Max. 0.05	IS 3025(Part 2): 2004
20.	Manganese (as Mn)	BDL (DL:0.02)	mg/L	Max. 0.3	IS 3025(Part 2): 2004
21.	Mercury (as Hg)	BDL (DL:0.005)	mg/L	Max. 0.001	IS 3025(Part 2): 2004
22.	Selenium (as Se)	BDL (DL:0.01)	mg/L	Max. 0.01	IS 3025(Part 2): 2004
23.	Zinc (as Zn)	BDL (0.01)	mg/L	Max. 5	IS 3025(Part 2): 2004
24.	Boron (as B)	1.15	mg/L	Max. 5	APHA, 21 st Ed., 2005, 4500-B-C, 4-23
25.	Residual free chlorine	BDL (DL:0.1)	mg/L	Min.0.2	IS 3025 (Part 26): 1986, Reaffirmed 2003, Ed. 2.1 (2004-02)
26.	Chloride (as Cl)	296	mg/L	Max. 250	APHA, 21 st Ed., 2005, 4500-Cl, B, 4-70
27.	Sulphate (as SO ₄)	196	mg/L	Max. 200	IS 3025 (Part 24):1986, Reaffirmed 2009
28.	Fluoride (as F)	0.22	mg/L	Max. 1	APHA, 21 st Ed., 2005, 4500-F ⁻ , D, 4-85
29.	Nitrate (as NO ₃)	194	mg/L	Max. 45	APHA, 21 st Ed., 2005, 4500-NO ₃ , B -4 -120



Report No. 0108 cont...

Sr. No.	Parameters	Results	Units	Desirable Limit as per IS 10500: 1991	Method Reference
30.	Cyanide (as CN)	BDL (DL: 0.001)	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)	BDL (DL: 0.001)	mg/L	Max. 0.001	APHA, 21 st Ed., 2005, 5530- B & C, 5-44 & 5-45
32.	Mineral Oil	BDL (DL: 0.005)	mg/L	Max. 0.01	IS: 3025 (Part 39): 1991, Reaffirmed 2003, Amds.1
Microbiological Analysis					
33.	Total Coliforms	920	MPN /100ml	Max. 10	APHA, 21 st Ed., 2005, 9221-B, 9-49
34.	E. coli	Absent	MPN /100ml	Absent	APHA, 21 st Ed., 2005, 9221-F, 9-58
Remark: BDL- Below Detection Limit, DL- Detection Limit					

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FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.


 Harish Mendhi

TECHNICAL MANAGER



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.