

**Water Analysis Report**

<b>Report No.</b>	<b>ME/NS/001831/11.12.20/SA/Indiabulls/Nashik</b>		<b>Date:</b> 20/12/2011
<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. 3320001083 dt 18.11.2011
<b>Sample Description /Type</b>	Ground Water	<b>Sample Collected by</b>	Laboratory
<b>Sampling Location</b>	Gulavanch Gat No. 806	<b>Sample Quantity/Packing</b>	10 L x 1 no. plastic can 250 ml x 1 no. sterile glass bottle
<b>Date of Sampling</b>	08/12/2011	<b>Date of Receipt of Sample</b>	08/12/2011
<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>	08/12/2011	<b>Date of Completion of Analysis</b>	19/12/2011

<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	2	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.	Taste	Agreeable	-	Agreeable	IS 3025 (Part 8): 1984, Reaffirmed 2006
4.	Turbidity	4.5	N.T.U.	Max. 5	APHA, 21 <sup>st</sup> Ed., 2005, 2130-B, 2-9
5.	pH	8.05	-	6.5-8.5	APHA, 21 <sup>st</sup> Ed., 2005, 4500-H <sup>+</sup> - B, 4-90
6.	Suspended Solids	15	mg/L	-	IS 3025 (Part 17): 1984, Reaffirmed 2006, Amds.1
7.	Total Dissolved Solids	1748	mg/L	Max. 500	IS 3025 (Part 16): 1984, Reaffirmed 2006, Ed.2.1(1999-12)
8.	Dissolved Oxygen	6.8	mg/L	-	IS 3025 (Part 38): 1989, Reaffirmed 2009
9.	Alkalinity (as CaCO <sub>3</sub> )	205	mg/L	Max. 200	IS 3025 (Part 23): 1986, Reaffirmed 2003, Amds.1
10.	Total Hardness (as CaCO <sub>3</sub> )	957	mg/L	Max. 300	APHA, 21 <sup>st</sup> Ed., 2005, 2340 C, 2-37
11.	Calcium (as Ca)	82.5	mg/L	Max. 75	APHA, 21 <sup>st</sup> Ed., 2005, 3500-B, 3-65



Report No. ME/NS/001831/11.12.21/SA/Indiabulls/Nashik Cont...

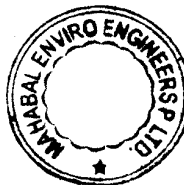
Sr. No.	Parameters	Results	Units	Desirable Limit as per IS 10500: 1991	Method Reference
12.	Magnesium (as Mg)	182	mg/L	Max. 30	APHA, 21 <sup>st</sup> Ed., 2005, 3500-Mg, B, 3-84
13.	Aluminium (as Al)	N.D.	mg/L	Max. 0.2	APHA, 21 <sup>st</sup> Ed., 2005, 3111-Al-B, 3-28
14.	Arsenic (as As)	<0.01	mg/L	Max. 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 <sup>+6</sup> )	N.D.	mg/L	Max. 0.05	IS 3025(Part 2): 2004
17.	Copper (as Cu)	<0.02	mg/L	Max. 1.5	IS 3025(Part 2): 2004
18.	Iron (as Fe)	0.27	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)	0.08	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)	<0.005	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)	0.63	mg/L	Max. 5	APHA, 21 <sup>st</sup> 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)	810.3	mg/L	Max. 250	APHA, 21 <sup>st</sup> Ed., 2005, 4500-Cl, B, 4-70
27.	Sulphate (as SO <sub>4</sub> )	230	mg/L	Max. 200	IS 3025 (Part 24):1986, Reaffirmed 2009



**Report No. ME/NS/001831/11.12.21/SA/Indiabulls/Nashik Cont...**

Sr. No.	Parameters	Results	Units	Desirable Limit as per IS 10500: 1991	Method Reference
28.	Fluoride (as F)	1.8	mg/L	Max. 1	APHA, 21 <sup>st</sup> Ed., 2005, 4500-F <sup>-</sup> , D, 4-85
29.	Nitrate (as NO <sub>3</sub> )	173	mg/L	Max. 45	APHA, 21 <sup>st</sup> Ed., 2005, 4500-NO <sub>3</sub> , B -4 -120
30.	Cyanide (as CN)	N.D.	mg/L	Max. 0.05	APHA, 21 <sup>st</sup> Ed., 2005, 4500-CN, C & E, 4-39 & 4-41
31.	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH)	N.D.	mg/L	Max. 0.001	APHA, 21 <sup>st</sup> 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
<b>Microbiological Analysis</b>					
33.	Total Coliforms	2.2 x 10 <sup>4</sup>	/100 ml	Absent	APHA, 21 <sup>st</sup> Ed., 2005, 9221-D, 9-55
34.	<i>E. coli</i>	Present	/100 ml	Absent	APHA, 21 <sup>st</sup> 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**

<b>Report No.</b>	<b>ME/NS/001832/11.12.20/SA/Indiabulls/Nashik</b>		<b>Date:</b> 20/12/2011
<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. 3320001083 dt 18.11.2011
<b>Sample Description /Type</b>	Ground Water	<b>Sample Collected by</b>	Laboratory
<b>Sampling Location</b>	Kedarpur	<b>Sample Quantity/Packing</b>	10 L x 1 no. plastic can 250 ml x 1 no. sterile glass bottle
<b>Date of Sampling</b>	08/12/2011	<b>Date of Receipt of Sample</b>	08/12/2011
<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>	08/12/2011	<b>Date of Completion of Analysis</b>	19/12/2011

<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	2	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.	Taste	Agreeable	-	Agreeable	IS 3025 (Part 8): 1984, Reaffirmed 2006
4.	Turbidity	5.2	N.T.U.	Max. 5	APHA, 21 <sup>st</sup> Ed., 2005, 2130-B, 2-9
5.	pH	8.03	-	6.5-8.5	APHA, 21 <sup>st</sup> Ed., 2005, 4500-H <sup>+</sup> - B, 4-90
6.	Suspended Solids	12	mg/L	-	IS 3025 (Part 17): 1984, Reaffirmed 2006, Amds.1
7.	Total Dissolved Solids	980	mg/L	Max. 500	IS 3025 (Part 16): 1984, Reaffirmed 2006, Ed.2.1(1999-12)
8.	Dissolved oxygen	5.9	mg/L	-	IS 3025 (Part 38): 1989, Reaffirmed 2009
9.	Alkalinity (as CaCO <sub>3</sub> )	205	mg/L	Max. 200	IS 3025 (Part 23): 1986, Reaffirmed 2003, Amds.1
10.	Total Hardness (as CaCO <sub>3</sub> )	681	mg/L	Max. 300	APHA, 21 <sup>st</sup> Ed., 2005, 2340 C, 2-37
11.	Calcium (as Ca)	129	mg/L	Max. 75	APHA, 21 <sup>st</sup> Ed., 2005, 3500-B, 3-65



Report No. ME/NS/001832/11.12.20/SA/Indiabulls/Nashik Cont...

Sr. No.	Parameters	Results	Units	Desirable Limit as per IS 10500: 1991	Method Reference
12.	Magnesium (as Mg)	87.2	mg/L	Max. 30	APHA, 21 <sup>st</sup> Ed., 2005, 3500-Mg, B, 3-84
13.	Aluminium (as Al)	N.D.	mg/L	Max. 0.2	APHA, 21 <sup>st</sup> 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 <sup>+6</sup> )	N.D.	mg/L	Max. 0.05	IS 3025(Part 2): 2004
17.	Copper (as Cu)	<0.02	mg/L	Max. 1.5	IS 3025(Part 2): 2004
18.	Iron (as Fe)	0.48	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)	0.17	mg/L	Max. 5	IS 3025(Part 2): 2004
24.	Boron (as B)	0.53	mg/L	Max. 5	APHA, 21 <sup>st</sup> 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)	251	mg/L	Max. 250	APHA, 21 <sup>st</sup> Ed., 2005, 4500-Cl, B, 4-70
27.	Sulphate (as SO <sub>4</sub> )	128	mg/L	Max. 200	IS 3025 (Part 24):1986, Reaffirmed 2009

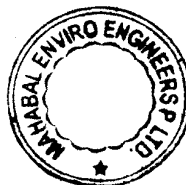


Report No. ME/NS/001832/11.12.20/SA/Indiabulls/Nashik Cont...

Sr. No.	Parameters	Results	Units	Desirable Limit as per IS 10500: 1991	Method Reference
28.	Fluoride (as F)	0.83	mg/L	Max. 1	APHA, 21 <sup>st</sup> Ed., 2005, 4500-F <sup>-</sup> , D, 4-85
29.	Nitrate (as NO <sub>3</sub> )	175	mg/L	Max. 45	APHA, 21 <sup>st</sup> Ed., 2005, 4500-NO <sub>3</sub> , B -4 -120
30.	Cyanide (as CN)	N.D.	mg/L	Max. 0.05	APHA, 21 <sup>st</sup> Ed., 2005, 4500-CN, C & E, 4-39 & 4-41
31.	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH)	N.D.	mg/L	Max. 0.001	APHA, 21 <sup>st</sup> 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
<b>Microbiological Analysis</b>					
33.	Total Coliforms	Absent	/100 ml	Absent	APHA, 21 <sup>st</sup> Ed., 2005, 9221-D, 9-55
34.	<i>E. coli</i>	Absent	/100 ml	Absent	APHA, 21 <sup>st</sup> Ed., 2005, 9221-F, 9-58
N.D.: Not Detected.					

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

Harish Mendhi  
**Technical Manager**  
**AUTHORISED SIGNATORY**



Note :

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**Water Analysis Report**

<b>Report No.</b>	<b>ME/NS/001833/11.12.20/SA/Indiabulls/Nashik</b>		<b>Date:</b> 20/12/2011
<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. 3320001083 dt 18.11.2011
<b>Sample Description /Type</b>	Ground Water	<b>Sample Collected by</b>	Laboratory
<b>Sampling Location</b>	Musalgaon	<b>Sample Quantity/Packing</b>	10 L x 1 no. plastic can 250 ml x 1 no. sterile glass bottle
<b>Date of Sampling</b>	08/12/2011	<b>Date of Receipt of Sample</b>	08/12/2011
<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>	08/12/2011	<b>Date of Completion of Analysis</b>	19/12/2011

<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	Objectionable	-	Unobjectionable	IS 3025 (Part 5): 1983, Reaffirmed 2006
3.	Taste	Agreeable	-	Agreeable	IS 3025 (Part 8): 1984, Reaffirmed 2006
4.	Turbidity	0.3	N.T.U.	Max. 5	APHA, 21 <sup>st</sup> Ed., 2005, 2130-B, 2-9
5.	pH	8.03	-	6.5-8.5	APHA, 21 <sup>st</sup> Ed., 2005, 4500-H <sup>+</sup> - B, 4-90
6.	Suspended Solids	7	mg/L	-	IS 3025 (Part 17): 1984, Reaffirmed 2006, Amds.1
7.	Total Dissolved Solids	1120	mg/L	Max. 500	IS 3025 (Part 16): 1984, Reaffirmed 2006, Ed.2.1(1999-12)
8.	Dissolved oxygen	2.7	mg/L	-	IS 3025 (Part 38): 1989, Reaffirmed 2009
9.	Alkalinity (as CaCO <sub>3</sub> )	368	mg/L	Max. 200	IS 3025 (Part 23): 1986, Reaffirmed 2003, Amds.1
10.	Total Hardness (as CaCO <sub>3</sub> )	773	mg/L	Max. 300	APHA, 21 <sup>st</sup> Ed., 2005, 2340 C, 2-37
11.	Calcium (as Ca)	136	mg/L	Max. 75	APHA, 21 <sup>st</sup> Ed., 2005, 3500-B, 3-65



Report No. ME/NS/001833/11.12.20/SA/Indiabulls/Nashik Cont...

Sr. No.	Parameters	Results	Units	Desirable Limit as per IS 10500: 1991	Method Reference
12.	Magnesium (as Mg)	106	mg/L	Max. 30	APHA, 21 <sup>st</sup> Ed., 2005, 3500-Mg, B, 3-84
13.	Aluminium (as Al)	N.D.	mg/L	Max. 0.2	APHA, 21 <sup>st</sup> 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 <sup>+6</sup> )	<0.02	mg/L	Max. 0.05	IS 3025(Part 2): 2004
17.	Copper (as Cu)	<0.02	mg/L	Max. 1.5	IS 3025(Part 2): 2004
18.	Iron (as Fe)	0.49	mg/L	Max. 1	IS 3025(Part 2): 2004
19.	Lead (as Pb)	<0.1	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)	6.17	mg/L	Max. 5	APHA, 21 <sup>st</sup> 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)	114	mg/L	Max. 250	APHA, 21 <sup>st</sup> Ed., 2005, 4500-Cl, B, 4-70
27.	Sulphate (as SO <sub>4</sub> )	381	mg/L	Max. 200	IS 3025 (Part 24):1986, Reaffirmed 2009





# Mahabal Enviro Engineers Pvt. Ltd.

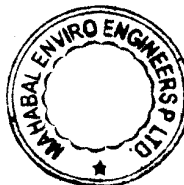
Plot No. 13/14, Opp. Patel Petrol Pump, Chinndwara Road, Koradi, Dist. Nagpur – 411 111

Report No. ME/NS/001833/11.12.20/SA/Indiabulls/Nashik Cont...

Sr. No.	Parameters	Results	Units	Desirable Limit as per IS 10500: 1991	Method Reference
28.	Fluoride (as F)	1.5	mg/L	Max. 1	APHA, 21 <sup>st</sup> Ed., 2005, 4500-F <sup>-</sup> , D, 4-85
29.	Nitrate (as NO <sub>3</sub> )	70.3	mg/L	Max. 45	APHA, 21 <sup>st</sup> Ed., 2005, 4500-NO <sub>3</sub> , B -4 -120
30.	Cyanide (as CN)	N.D.	mg/L	Max. 0.05	APHA, 21 <sup>st</sup> Ed., 2005, 4500-CN, C & E, 4-39 & 4-41
31.	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH)	N.D.	mg/L	Max. 0.001	APHA, 21 <sup>st</sup> 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
N.D.: Not Detected.					

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

Harish Mendhi  
Technical Manager  
AUTHORISED SIGNATORY



Note :

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## Water Analysis Report

<b>Report No.</b>	<b>ME/NS/001834/11.12.24/SA/Indiabulls/Nashik</b>		<b>Date:</b> 24/12/2011
<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>	BHCL Site 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>	14/12/2011	<b>Date of Receipt of Sample</b>	14/12/2011
<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>	14/12/2011	<b>Date of Completion of Analysis</b>	23/12/2011

Sr. No.	Parameters	Results	Units	Desirable Limit as per IS 10500: 1991	Method Reference
<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	1.4	N.T.U.	Max. 5	APHA, 21 <sup>st</sup> Ed., 2005, 2130-B, 2-9
4.	pH	7.37	-	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)	9	mg/L	-	IS 3025 (Part 44): 1993, Reaffirmed 2009, Amds.1
7.	Chemical Oxygen Demand	29	mg/L	-	APHA, 21 <sup>st</sup> Ed., 2005, 5220-B, 5-15
8.	Oil and Grease	0.8	mg/L	-	APHA, 21 <sup>st</sup> Ed., 2005, 5520-B, 5-37
9.	Total Dissolved Solids	402	mg/L	Max. 500	IS 3025 (Part 16): 1984, Reaffirmed 2006
10.	Dissolved oxygen	5.2	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

**Report No. ME/NS/001834/11.12.24/SA/Indiabulls/Nashik Cont...**

Sr. No.	Parameters	Results	Units	Desirable Limit as per IS 10500: 1991	Method Reference
12.	Methyl Orange Alkalinity (as CaCO <sub>3</sub> )	103	mg/L	-	IS 3025 (Part 23): 1986, Reaffirmed 2003, Amds.1
13.	Total Hardness (as CaCO <sub>3</sub> )	234	mg/L	Max. 300	APHA, 21 <sup>st</sup> Ed., 2005, 2340 C, 2-37
14.	Calcium (as Ca)	43.5	mg/L	Max. 75	APHA, 21 <sup>st</sup> Ed., 2005, 3500-B, 3-65
15.	Magnesium (as Mg)	30.4	mg/L	Max. 30	APHA, 21 <sup>st</sup> Ed., 2005, 3500-Mg, B, 3-84
16.	Arsenic (as As)	N.D.	mg/L	Max. 0.05	IS 3025(Part 2): 2004
17.	Cadmium (as Cd)	N.D.	mg/L	Max. 0.01	IS 3025(Part 2): 2004
18.	Chromium (as Cr)	N.D.	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)	N.D.	mg/L	-	APHA, 21 <sup>st</sup> Ed., 2005, 3111-B, 3-17
21.	Iron (as Fe - suspended)	N.D.	mg/L	-	APHA, 21 <sup>st</sup> Ed., 2005, 3111-B, 3-17
22.	Lead (as Pb)	<0.008	mg/L	Max. 0.05	IS 3025(Part 2): 2004
23.	Manganese (as Mn)	N.D.	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)	0.20	mg/L	Max. 5	IS 3025(Part 2): 2004
27.	Nickel (as Ni)	N.D.	mg/L	-	IS 3025(Part 2): 2004



# Mahabal Enviro Engineers Pvt. Ltd.

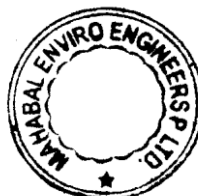
Plot No. 13/14, Opp. Patel Petrol Pump, Chinndwara Road, Koradi, Dist. Nagpur – 411 111

**Report No. ME/NS/001834/11.12.24/SA/Indiabulls/Nashik Cont...**

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)	34.7	mg/L	-	IS 3025 (Part 45):1993, Reaffirmed 2009, Amds.1
30.	Potassium (as K)	1.7	mg/L	-	IS 3025( Part 45): 1993, Reaffirmed 2009
31.	Chloride (as Cl)	98	mg/L	Max. 250	APHA, 21 <sup>st</sup> Ed., 2005, 4500-Cl, B, 4-70
32.	Sulphate (as SO <sub>4</sub> )	20.7	mg/L	Max. 200	IS 3025 (Part 24):1986, Reaffirmed 2009
33.	Fluoride (as F)	0.14	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> )	2.49	mg/L	-	APHA, 21 <sup>st</sup> Ed., 2005, 4500 P, E, 4-153
35.	Nitrate (as NO <sub>3</sub> )	18.9	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> )	1.40	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	1.49	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	Pass the test	mg/L	-	IS 1070:1992, Reaffirmed 2003
<b>Microbiological Analysis</b>					
40.	Total Coliforms	Absent	/100 ml	Absent	APHA, 21 <sup>st</sup> 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.					

-----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.