

DRINKING WATER ANALYSIS REPORT

1.	Name of the Project	:	Foundry Cluster Development Association (F.C.D.A)
2.	Address	:	Domjur, Amta Road, Howrah
3.	Report No.	:	ENV/31/D/M(i)/14-15
4.	Date of sampling	:	30.03.2015
5.	Reporting date	:	08.04.2015
6.	Collection & Preservation of sample	:	APHA 22 nd Edition, 1060
7.	Type of sample	:	Drinking Water
8.	Location of sample	:	From Tubewell

	<u>PARAMETERS</u>		<u>RESULTS</u>		<u>LIMIT</u>
1.	Colour	:	1.0	:	25.0
2.	Odour	:	Odourless	:	Unobjectionable
3.	Taste	:	Acceptable	:	Agreeable
4.	pH	:	6.83	:	6.5 – 8.5
5.	Total Hardness as CaCO ₃ (mg./l)	:	184.0	:	600.0
6.	Calcium as Ca (mg./l)	:	46.49	:	200.0
7.	Magnesium as Mg (mg./l)	:	16.32	:	100.0
8.	Chloride as Cl (mg./l)	:	207.45	:	1000.0
9.	Iron as Fe (mg./l)	:	0.1	:	1.0
10.	Arsenic (mg./l)	:	<0.01	:	0.05
11.	Cadmium (mg./l)	:	<0.01	:	0.01
12.	Chromium (mg./l)	:	<0.06	:	--
13.	Copper as Cu (mg./l)	:	<0.04	:	1.5
14.	Cyanide (mg./l)	:	<0.05	:	0.05
15.	Lead (mg./l)	:	<0.088	:	0.05
16.	Mercury (mg./l)	:	<0.001	:	0.001
17.	Nitrate as NO ₃ (mg./l)	:	8.50	:	100.0
18.	Total Dissolved Solid (mg/l)	:	986.0	:	2000.0
19.	Phenolic Compounds as Phenol (mg./l)	:	<0.1	:	0.002
20.	Turbidity (NTU)	:	<1.0	:	10.0
21.	Residual Free Chlorine (mg./l)	:	<0.004	:	0.2***
22.	Fluoride (mg./l)	:	<0.1	:	1.5
23.	Manganese (mg./l)	:	0.27	:	0.3
24.	Alkalinity (mg./l)	:	408.0	:	600.0
25.	Total Coliform (CFU/100 ml.)	:	<1,<10,<100	:	Shall not be detectable in any 100 ml sample
26.	E.Coli (CFU/100 ml.)	:	<1,<10,<100	:	Shall not be detectable in any 100 ml sample

*CFU indicates Colony Forming Unit.

**<1 indicate No Colony developed in 1 ml. Sample., <10 indicate No Colony developed in 0.1 ml. Sample.,<100 indicate No Colony developed in 0.01 ml. Sample.
(N.B. : No colony developed in 1 ml, 0.1 ml and 0.01 ml sample indicate that bacteria is absent in water sample.)

Authorised Signatory :



Dr. Ajoy Paul

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1.	Name of the Project	: Foundry Cluster Development Association (F.C.D.A)
2.	Address	: Domjur, Amta Road, Howrah
3.	Report No.	: ENV/31/D/M(ii)/14-15
4.	Date of sampling	: 30.03.2015
5.	Reporting date	: 08.04.2015
6.	Collection & Preservation of sample	: APHA 22 nd Edition, 1060
7.	Type of sample	: Drinking Water
8.	Location of sample	: From Canteen Tap

	<u>PARAMETERS</u>		<u>RESULTS</u>	<u>LIMIT</u>
1.	Colour	:	1.0	25.0
2.	Odour	:	Odourless	Unobjectionable
3.	Taste	:	Acceptable	Agreeable
4.	pH	:	7.15	6.5 – 8.5
5.	Total Hardness as CaCO ₃ (mg./l)	:	200.0	600.0
6.	Calcium as Ca (mg./l)	:	54.51	200.0
7.	Magnesium as Mg (mg./l)	:	15.36	100.0
8.	Chloride as Cl (mg./l)	:	47.15	1000.0
9.	Iron as Fe (mg./l)	:	0.1	1.0
10.	Arsenic (mg./l)	:	<0.01	0.05
11.	Cadmium (mg./l)	:	<0.01	0.01
12.	Chromium (mg./l)	:	<0.06	--
13.	Copper as Cu (mg./l)	:	<0.04	1.5
14.	Cyanide (mg./l)	:	<0.05	0.05
15.	Lead (mg./l)	:	<0.088	0.05
16.	Mercury (mg./l)	:	<0.001	0.001
17.	Nitrate as NO ₃ (mg./l)	:	7.20	100.0
18.	Total Dissolved Solid (mg/l)	:	680.0	2000.0
19.	Phenolic Compounds as Phenol (mg./l)	:	<0.1	0.002
20.	Turbidity (NTU)	:	<1.0	10.0
21.	Residual Free Chlorine (mg./l)	:	<0.004	0.2
22.	Fluoride (mg./l)	:	<0.1	1.5
23.	Manganese (mg./l)	:	<0.1	0.3
24.	Alkalinity (mg./l)	:	360.0	600.0
25.	Total Coliform (CFU/100 ml.)	:	<1,<10,<100	Shall not be detectable in any 100 ml sample
26.	E.Coli (CFU/100 ml.)	:	<1,<10,<100	Shall not be detectable in any 100 ml sample

*CFU indicates Colony Forming Unit.

**<1 indicate No Colony developed in 1 ml. Sample., <10 indicate No Colony developed in 0.1 ml. Sample.,<100 indicate No Colony developed in 0.01 ml. Sample.
(N.B. : No colony developed in 1 ml, 0.1 ml and 0.01 ml sample indicate that bacteria is absent in water sample.)

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